

Exhibit Book
MTA Board Meeting
5/20/2020

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Metropolitan Transportation Authority

ANNUAL INVESTMENT REPORT

January 1, 2019 to December 31, 2019

MTA Treasury Department



Metropolitan Transportation Authority

ANNUAL INVESTMENT REPORT

January 1, 2019 to December 31, 2019

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**Investment Performance by Type of Fund
For the Period January 1, 2019 to December 31, 2019
(Only funds actively managed by MTA Treasury)**

| Type of Fund | Net Earnings this Period | Average Daily Portfolio Balance | End of Period Portfolio Balance | Weighted Average Yield at End of Period | Weighted Average Days to Maturity | Net Portfolio Yield, 365-day Basis |
|--|--------------------------|---------------------------------|---------------------------------|---|-----------------------------------|------------------------------------|
| All Agency Investments | \$20,106,403 | \$844,378,578 | \$1,412,157,424 | 1.38% | 19 | 2.38% |
| MTA Special Assistance Fund | 3,563,459 | 177,431,067 | 5,816,505 | 1.50% | 23 | 2.01% |
| TBTA Investments | 4,269,624 | 165,007,011 | 155,226,882 | 1.25% | 15 | 2.59% |
| MTA Finance Fund | 11,700,288 | 566,025,699 | 383,706,316 | 1.14% | 13 | 2.07% |
| MTA Transportation Resolution Funds | 45,820,692 | 2,236,460,781 | 2,409,671,585 | 1.52% | 45 | 2.05% |
| MTA Hudson Rail Yards Fund | 1,263,323 | 79,192,679 | 59,359,907 | 1.41% | 102 | 1.60% |
| State Service Contract Debt Service Fund | 854 | 39,794 | 39,770 | 1.86% | 2 | 2.15% |
| MTA Dedicated Tax Fund Resolution Fund | 8,025,561 | 399,422,319 | 155,356,165 | 1.56% | 123 | 2.01% |
| TBTA General Purpose Resolution Funds | 5,621,941 | 278,666,327 | 270,515,917 | 1.51% | 30 | 1.98% |
| TBTA Subordinate Resolution Funds | 730,401 | 43,134,663 | 12,778,635 | 1.55% | 98 | 1.69% |
| Other Restricted Funds | 7,785,347 | 379,443,335 | 492,478,288 | 1.59% | 72 | 2.05% |
| | \$108,887,895 | \$5,169,202,255 | \$5,357,107,393 | 1.45% | 40 | 2.10% |

| | |
|---|--------------|
| Average Yield on 3-month Generic Treasury Bill (1/1/2019 – 12/31/19) | 2.07% |
| Average Yield on 6-month Generic Treasury Bill (1/1/2019 – 12/31/19) | 2.08% |
| Average Yield on 12-month Generic Treasury Bill (1/1/2019 – 12/31/19) | 2.03% |

Note 1: Table above only includes information on funds actively managed by MTA Treasury in accordance with the Board approved Investment Guidelines. It does not include defeasance investments for tax benefit lease transactions or insurance set asides.

Note 2: 'Other Restricted Funds' includes:

| | |
|--|-------------------------------------|
| MTA Moynihan Train Hall Stab | |
| Fulton Street Maintenance, | Hudson Yard ERY/WRY - From Related, |
| MTA Real Estate and Advertising Revenue, | Relocation from Madison Ave., |
| | Hudson Yard Infra Corp., |
| | SIRTOA-Capital. |

Portfolio Statistics by Security Type

As of: 12/31/2019

| Instrument Type | Wtd Avg Rate | Wtd Avg Yield | Wtd Avg Days to Mat | Scheduled Par Value | Scheduled Book Value |
|--|---------------------|----------------------|----------------------------|----------------------------|-----------------------------|
| Commercial Paper | - | 1.53 | 3 | 175,000,000 | 174,918,083 |
| Federal Farm Credit Bank Discount Notes | - | 1.54 | 16 | 95,000,000 | 94,884,500 |
| FHLB Discount Notes | - | 1.56 | 7 | 139,722,000 | 139,438,345 |
| Repurchase Agreement - Interest | 1.50 | 1.50 | 2 | 182,436,000 | 182,436,000 |
| State and Local Government Series - NOTE | 1.01 | 1.01 | 240 | 18,752,072 | 18,752,072 |
| US Treasury Bill | - | 1.52 | 18 | 3,866,975,000 | 3,859,235,006 |
| US Treasury Notes Middle of Month | 1.50 | 1.56 | 130 | 867,156,000 | 867,434,587 |
| US Treasury Strips | - | 2.18 | 1,415 | 22,759,000 | 20,008,801 |
| Grand Total | 0.30 | 1.53 | 41 | 5,367,800,072 | 5,357,107,393 |

Broker Activity Distribution

From: 1/1/2019
To: 12/31/2019

| Broker | Total Trans Count | Purchase of Securities | Principal Roll In | % Purchases | Sale of Securities | % Sales | REPOS | % REPOS | Total |
|----------------------|-------------------|--------------------------|-------------------|-------------|------------------------|-------------|-------------------------|-------------|--------------------------|
| Bank of America | 444 | \$8,765,767,760 | \$ - | 7.5% | \$1,413,962,066 | 21.2% | - | 0.0% | \$10,179,729,827 |
| Cantor Fitzgerald | 423 | 14,980,321,292 | - | 12.8% | 368,217,140 | 5.5% | - | 0.0% | 15,348,538,432 |
| DAIWA | 1,348 | 20,914,948,817 | - | 17.8% | 3,427,749,839 | 51.3% | 16,384,466,000 | 99.8% | 40,727,164,655 |
| Merril Lynch | 803 | 32,622,113,992 | - | 27.8% | 594,891,362 | 8.9% | - | 0.0% | 33,217,005,354 |
| Mizuho | 18 | 790,346,443 | - | 0.7% | - | 0.0% | 36,983,000 | 0.2% | 827,329,443 |
| MTA | 2 | 49,948,958 | - | 0.0% | 24,759,417 | 0.4% | - | 0.0% | 74,708,375 |
| Royal Bank of Canada | 973 | 37,904,440,740 | - | 32.3% | 754,751,807 | 11.3% | - | 0.0% | 38,659,192,547 |
| Wells Fargo | 36 | 1,428,698,031 | - | 1.2% | 93,948,115 | 1.4% | - | 0.0% | 1,522,646,146 |
| Total | 4,047 | \$117,456,586,032 | \$ - | 100% | \$6,678,279,746 | 100% | \$16,421,449,000 | 100% | \$140,556,314,778 |

Investment Maturity Distribution

As of: 12/31/2019

| Maturity Curve | From | To | No. of Secs. | Principal Cost* | % | Cum % |
|----------------------------|-----------------|-------------------|---------------------|------------------------|-------------|--------------|
| One Day to 1 Month | 1/2/2020 | 1/30/2020 | 132 | 3,969,812,439 | 74.10% | 74.10% |
| 1 to 2 Months | 2/4/2020 | 2/27/2020 | 20 | 490,260,094 | 9.16% | 83.26% |
| 2 to 3 Months | 3/12/2020 | 3/15/2020 | 3 | 12,998,245 | 0.24% | 83.50% |
| 3 to 4 Months | 4/9/2020 | 4/15/2020 | 2 | 42,007,121 | 0.78% | 84.28% |
| 4 to 5 Months | 5/15/2020 | 5/15/2020 | 24 | 810,609,438 | 15.13% | 99.41% |
| 5 to 6 Months | 6/15/2020 | 6/15/2020 | 1 | 1,475,411 | 0.03% | 99.44% |
| 6 to 12 Months | 7/15/2020 | 12/15/2020 | 7 | 7,483,482 | 0.14% | 99.58% |
| 12 to 18 Months | 1/15/2021 | 6/15/2021 | 6 | 635,239 | 0.01% | 99.59% |
| 18 to 24 Months | 7/15/2021 | 12/15/2021 | 6 | 638,738 | 0.01% | 99.60% |
| 2 Years to 10 Years | 1/15/2022 | 11/15/2023 | 12 | 21,187,186 | 0.40% | 100.00% |
| Grand Total | 1/2/2020 | 11/15/2023 | 213 | 5,357,107,393 | 100% | |

* Principal Cost includes purchase interest not yet received.

**LISTING OF PRIMARY GOVERNMENT SECURITIES DEALERS WITH WHOM THE
MTA HAS A SIGNED A MASTER REPURCHASE AGREEMENT**

| Broker Name | Capital Included in Tier Calculation | Tier Level | Balance Sheet Date |
|---|---|-------------------|---------------------------|
| Bank of America Securities | \$ 264,810,000,000 | 1 | 12/31/2019 |
| Citigroup Global Markets Inc. | \$ 193,242,000,000 | 1 | 12/31/2019 |
| JP Morgan Securities | \$ 35,783,000,000 | 1 | 12/31/2019 |
| Morgan Stanley & Company Inc. | \$ 14,111,000,000 | 1 | 12/31/2019 |
| BNP Parabis Securities Corp. | \$ 3,050,932,000 | 1 | 6/30/2019 |
| HSBC Securities (USA) Inc. | \$ 1,679,000,000 | 1 | 6/30/2019 |
| Mizuho Securities, USA Inc. | \$ 1,322,950,000 | 1 | 3/31/2019 |
| Daiwa Capital Markets America Inc. | \$ 1,112,912,000 | 1 | 3/31/2019 |

| | |
|------------------------------------|---------------------------------|
| Repurchase Limit for Tier 1 | 300,000,000 |
| Repurchase Limit for Tier 2 | 250,000,000 |
| Repurchase Limit for Tier 3 | Amount of firm's capital |

| Tier levels to determine dealer limits for repurchase agreements | |
|---|--|
| 1st Tier | \$1,000.0 million or more in capital |
| 2nd Tier | \$200.0 to \$999.9 million in capital |
| 3rd Tier | Less tha \$200.0 million in capital |

**Listing of Fees and Commission Paid to Brokers, Agents,
Dealers, Advisers and Asset Managers
For the Period 1/1/2019 to 12/31/2019**

Investment Administration and Support

| | |
|--|---------------------|
| The Bank of New York Custody Fees (Note 1) | \$453,134.00 |
| | |
| Bloomberg Finance L.P. (MTA Treasury Dept) | |
| Terminals and 10mb Network Access Charge: | \$219,925.00 |
| PeopleSoft Pricing Data/ Gov't History: | \$30,000.00 |
| | \$249,925.00 |
| | |
| Total Fees | \$703,059.00 |
| | |
| Total Commissions | <u>\$ 0.00</u> |
| | |
| Total Fees and Commissions | <u>\$703,059.00</u> |

(Note 1): This does not include Trustee Fees, just Custody Fees.

**Investment Inventory with Market Value
By Security Type**

As of: 12/31/2019

| Fund | Sched Par | Original Settlement Amount | Sched Book Value | Market Value* | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|--|----------------------|----------------------------|----------------------|----------------------|------------------|---------------------|----------------------|------------------|-----------------|---------------------------------|
| Commercial Paper | 175,000,000 | 174,918,083 | 174,918,083 | 174,918,083 | 68,000 | - | 174,918,083 | - | - | 2 |
| Federal Farm Credit Bank Discount Notes | 95,000,000 | 94,884,500 | 94,884,500 | 94,937,505 | 56,253 | - | 94,884,500 | 53,005 | - | 2 |
| FHLB Discount Notes | 139,722,000 | 139,438,345 | 139,438,345 | 139,681,061 | 247,444 | - | 139,438,345 | 242,717 | - | 2 |
| Repurchase Agreement - Interest | 182,436,000 | 182,436,000 | 182,436,000 | 182,436,000 | 7,602 | - | 182,436,000 | - | - | 1 |
| State and Local Government Series (SLGS) | 18,752,072 | 18,752,072 | 18,752,072 | 18,752,072 | 48,619 | - | 18,752,072 | - | - | 2 |
| US Treasury Bills | 3,866,975,000 | 3,859,235,006 | 3,859,235,006 | 3,864,470,928 | 4,956,389 | - | 3,859,235,006 | 5,238,363 | (2,441) | 1 |
| US Treasury Notes | 867,156,000 | 867,434,587 | 867,434,587 | 866,886,840 | 1,918,396 | 60,645 | 866,976,911 | 1,578 | (91,649) | 1 |
| US Treasury Strips | 22,759,000 | 20,008,801 | 20,008,801 | 21,304,110 | - | 1,057,737 | 21,066,538 | 237,572 | - | 1 |
| Grand Total | 5,367,800,072 | 5,357,107,393 | 5,357,107,393 | 5,363,386,599 | 7,302,703 | 1,118,382 | 5,357,707,455 | 5,773,235 | (94,090) | |

* If no Market Price, then Market Value = Book Value

Investment Inventory with Market Value Summary by Fund

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|------------------------|------------|--------------|------------|--------|-------------|---------------|---------------|-------|-------|----------------------|---------------|----------------------------|----------------------|----------------------|------------------------|------------------|---------------------|----------------------|------------------|-----------------|---------------------------------|
| FUND 1000 | COMM PAPER | MUFGBK | 62479LA21 | CANT | 00000527579 | 2019-12-24 | 2020-01-02 | 1.520 | 1.521 | 50,000,000 | 99.962 | 49,981,000 | 49,981,000 | 49,981,000 | 0.00 | 16,889 | - | 49,981,000 | - | - | 2 |
| FUND 1000 | COMM PAPER | MUFGBK | 62479LA21 | CANT | 00000527580 | 2019-12-24 | 2020-01-02 | 1.520 | 1.521 | 50,000,000 | 99.962 | 49,981,000 | 49,981,000 | 49,981,000 | 0.00 | 16,889 | - | 49,981,000 | - | - | 2 |
| FUND 1000 | COMM PAPER | MUFGBK | 62479LA21 | CANT | 00000527581 | 2019-12-24 | 2020-01-02 | 1.520 | 1.521 | 50,000,000 | 99.962 | 49,981,000 | 49,981,000 | 49,981,000 | 0.00 | 16,889 | - | 49,981,000 | - | - | 2 |
| FUND 1000 | FFCB DISC | | 313312RX0 | DAIWA | 00000527613 | 2019-12-30 | 2020-01-17 | 1.540 | 1.541 | 50,000,000 | 99.923 | 49,961,500 | 49,961,500 | 49,961,100 | 99.93 | 4,278 | - | 49,961,500 | 2,600 | - | 2 |
| FUND 1000 | REPO INT | | | DAIWA | 00000527631 | 2019-12-31 | 2020-01-02 | 1.500 | 1.500 | 157,053,000 | 100.000 | 157,053,000 | 157,053,000 | 157,053,000 | 0.00 | 6,544 | - | 157,053,000 | - | - | 1 |
| FUND 1000 | T-BILL | CHASE-P55894 | 912796RY7 | DAIWA | 00000523801 | 2019-01-31 | 2020-01-30 | 2.490 | 2.554 | 28,225,000 | 97.482 | 27,514,389 | 27,514,389 | 28,192,730 | 99.89 | 653,997 | - | 27,514,389 | 678,341 | - | 1 |
| FUND 1000 | T-BILL | CHASE-P55894 | 912796SD2 | RBC | 00000524144 | 2019-02-28 | 2020-02-27 | 2.462 | 2.525 | 30,899,000 | 97.510 | 30,129,658 | 30,129,658 | 30,828,253 | 99.77 | 648,868 | - | 30,129,658 | 698,595 | - | 1 |
| FUND 1000 | T-BILL | AAPL | 912796SD2 | DAIWA | 00000526162 | 2019-08-29 | 2020-02-27 | 1.835 | 1.852 | 1,630,000 | 99.072 | 1,614,879 | 1,614,879 | 1,626,268 | 99.77 | 10,386 | - | 1,614,879 | 11,389 | - | 1 |
| FUND 1000 | T-BILL | | 912796TC3 | CANT | 00000526593 | 2019-10-07 | 2020-01-23 | 1.620 | 1.628 | 281,000 | 99.514 | 279,634 | 279,634 | 280,764 | 99.92 | 1,087 | - | 279,634 | 1,130 | - | 1 |
| FUND 1000 | T-BILL | CHASE-P55894 | 912796TQ2 | BOFAB | 00000526624 | 2019-10-10 | 2020-04-09 | 1.630 | 1.644 | 40,876,000 | 99.176 | 40,539,159 | 40,539,159 | 40,709,290 | 99.59 | 153,614 | - | 40,539,159 | 170,131 | - | 1 |
| FUND 1000 | T-BILL | | 912796RT8 | CANT | 00000527501 | 2019-12-19 | 2020-01-02 | 1.500 | 1.501 | 50,000,000 | 99.942 | 49,970,833 | 49,970,833 | 49,996,284 | 99.99 | 27,083 | - | 49,970,833 | 25,451 | - | 1 |
| FUND 1000 | T-BILL | | 912796RT8 | CANT | 00000527502 | 2019-12-19 | 2020-01-02 | 1.500 | 1.501 | 50,000,000 | 99.942 | 49,970,833 | 49,970,833 | 49,996,284 | 99.99 | 27,083 | - | 49,970,833 | 25,451 | - | 1 |
| FUND 1000 | T-BILL | | 912796RT8 | CANT | 00000527503 | 2019-12-19 | 2020-01-02 | 1.500 | 1.501 | 50,000,000 | 99.942 | 49,970,833 | 49,970,833 | 49,996,284 | 99.99 | 27,083 | - | 49,970,833 | 25,451 | - | 1 |
| FUND 1000 | T-BILL | | 912796RT8 | CANT | 00000527504 | 2019-12-19 | 2020-01-02 | 1.500 | 1.501 | 50,000,000 | 99.942 | 49,970,833 | 49,970,833 | 49,996,284 | 99.99 | 27,083 | - | 49,970,833 | 25,451 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527505 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527506 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527507 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527508 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527509 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WM7 | CANT | 00000527510 | 2019-12-19 | 2020-01-07 | 1.490 | 1.491 | 50,000,000 | 99.921 | 49,960,681 | 49,960,681 | 49,990,466 | 99.98 | 26,903 | - | 49,960,681 | 29,785 | - | 1 |
| FUND 1000 | T-BILL | | 912796WP0 | MERIL | 00000527545 | 2019-12-20 | 2020-01-21 | 1.485 | 1.487 | 50,000,000 | 99.868 | 49,934,000 | 49,934,000 | 49,961,090 | 99.92 | 24,750 | - | 49,934,000 | 27,090 | - | 1 |
| FUND 1000 | T-BILL | | 912796WP0 | MERIL | 00000527546 | 2019-12-20 | 2020-01-21 | 1.485 | 1.487 | 50,000,000 | 99.868 | 49,934,000 | 49,934,000 | 49,961,090 | 99.92 | 24,750 | - | 49,934,000 | 27,090 | - | 1 |
| FUND 1000 | T-BILL | | 912796WP0 | MERIL | 00000527547 | 2019-12-20 | 2020-01-21 | 1.485 | 1.487 | 50,000,000 | 99.868 | 49,934,000 | 49,934,000 | 49,961,090 | 99.92 | 24,750 | - | 49,934,000 | 27,090 | - | 1 |
| FUND 1000 | T-BILL | | 912796WP0 | MERIL | 00000527548 | 2019-12-20 | 2020-01-21 | 1.485 | 1.487 | 50,000,000 | 99.868 | 49,934,000 | 49,934,000 | 49,961,090 | 99.92 | 24,750 | - | 49,934,000 | 27,090 | - | 1 |
| FUND 1000 | T-BILL | | 912796WT2 | BOFAB | 00000527590 | 2019-12-26 | 2020-02-18 | 1.545 | 1.549 | 50,000,000 | 99.768 | 49,884,125 | 49,884,125 | 49,902,084 | 99.80 | 12,875 | - | 49,884,125 | 17,959 | - | 1 |
| FUND 1000 | T-BILL | | 912796WT2 | BOFAB | 00000527591 | 2019-12-26 | 2020-02-18 | 1.545 | 1.549 | 50,000,000 | 99.768 | 49,884,125 | 49,884,125 | 49,902,084 | 99.80 | 12,875 | - | 49,884,125 | 17,959 | - | 1 |
| FUND 1000 | T-BILL | | 912796WT2 | DAIWA | 00000527614 | 2019-12-30 | 2020-02-18 | 1.485 | 1.488 | 50,000,000 | 99.794 | 49,896,875 | 49,896,875 | 49,902,084 | 99.80 | 4,125 | - | 49,896,875 | 5,209 | - | 1 |
| FUND 1000 | T-BILL | | 912796WT2 | DAIWA | 00000527615 | 2019-12-30 | 2020-02-18 | 1.485 | 1.488 | 50,000,000 | 99.794 | 49,896,875 | 49,896,875 | 49,902,084 | 99.80 | 4,125 | - | 49,896,875 | 5,209 | - | 1 |
| FUND 1000 | T-BILL | | 912796WT2 | DAIWA | 00000527616 | 2019-12-30 | 2020-02-18 | 1.485 | 1.488 | 50,000,000 | 99.794 | 49,896,875 | 49,896,875 | 49,902,084 | 99.80 | 4,125 | - | 49,896,875 | 5,209 | - | 1 |
| FUND 1000 | T-STRIPS | | 912833LB4 | | 115347 | 2002-12-24 | 2020-11-16 | 0.000 | 5.385 | 6,000 | 38.588 | 2,315 | 2,315 | 5,917 | 98.62 | - | 3,411 | 5,726 | 191 | - | 1 |
| FUND 1000 Total | | | | | | | | | | 1,408,970,000 | | 1,405,879,825 | 1,405,879,825 | 1,407,886,029 | | 1,936,316 | 3,411 | 1,405,883,236 | 2,002,793 | - | |
| FUND 1960 | T-STRIPS | | 912833LP3 | HSBCS | 00000518369 | 2017-08-03 | 2023-11-15 | 0.000 | 2.183 | 22,753,000 | 87.929 | 20,006,485 | 20,006,485 | 21,298,193 | 93.61 | - | 1,054,326 | 21,060,812 | 237,381 | - | 1 |
| FUND 1960 Total | | | | | | | | | | 22,753,000 | | 20,006,485 | 20,006,485 | 21,298,193 | | - | 1,054,326 | 21,060,812 | 237,381 | - | |
| FUND 1992 | T-BILL | | 912796TA7 | DAIWA | 00000527593 | 2019-10-15 | 2020-01-09 | 1.630 | 1.636 | 27,547,000 | 99.611 | 27,439,735 | 27,439,735 | 27,539,690 | 99.97 | 97,287 | - | 27,439,735 | 99,955 | - | 1 |
| FUND 1992 | T-BILL | | 912796TA7 | DAIWA | 00000526675 | 2019-10-15 | 2020-01-09 | 1.630 | 1.636 | 50,000,000 | 99.611 | 49,805,306 | 49,805,306 | 49,986,732 | 99.97 | 176,583 | - | 49,805,306 | 181,426 | - | 1 |
| FUND 1992 | T-BILL | | 912796WN5 | BOFAB | 00000527259 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 28,080,000 | 99.840 | 28,035,072 | 28,035,072 | 28,066,214 | 99.95 | 30,326 | - | 28,035,072 | 31,142 | - | 1 |
| FUND 1992 | T-BILL | | 912796WN5 | BOFAB | 00000527258 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 50,000,000 | 99.840 | 49,920,000 | 49,920,000 | 49,975,452 | 99.95 | 54,000 | - | 49,920,000 | 55,452 | - | 1 |
| FUND 1992 | T-BILL | | 912796WN5 | DAIWA | 00000527481 | 2019-12-18 | 2020-01-14 | 1.500 | 1.502 | 10,000 | 99.888 | 9,989 | 9,989 | 9,995 | 99.95 | 6 | - | 9,989 | 6 | - | 1 |
| FUND 1992 Total | | | | | | | | | | 155,637,000 | | 155,210,101 | 155,210,101 | 155,578,082 | | 358,202 | - | 155,210,101 | 367,981 | - | |
| FUND 1993 | T-BILL | | 912796TA7 | DAIWA | 00000526677 | 2019-10-15 | 2020-01-09 | 1.630 | 1.636 | 27,000 | 99.611 | 26,895 | 26,895 | 26,993 | 99.97 | 95 | - | 26,895 | 98 | - | 1 |
| FUND 1993 Total | | | | | | | | | | 27,000 | | 26,895 | 26,895 | 26,993 | | 95 | - | 26,895 | 98 | - | |
| FUND 1994 | T-BILL | | 912796TA7 | DAIWA | 00000527618 | 2019-10-15 | 2020-01-09 | 1.630 | 1.636 | 33,227,000 | 99.611 | 33,097,618 | 33,097,618 | 33,218,183 | 99.97 | 117,347 | - | 33,097,618 | 120,565 | - | 1 |
| FUND 1994 Total | | | | | | | | | | 33,227,000 | | 33,097,618 | 33,097,618 | 33,218,183 | | 117,347 | - | 33,097,618 | 120,565 | - | |
| FUND 1996 | T-BILL | | 912796TA7 | DAIWA | 00000527619 | 2019-10-15 | 2020-01-09 | 1.630 | 1.636 | 7,849,000 | 99.611 | 7,818,437 | 7,818,437 | 7,846,917 | 99.97 | 27,720 | - | 7,818,437 | 28,480 | - | 1 |
| FUND 1996 Total | | | | | | | | | | 7,849,000 | | 7,818,437 | 7,818,437 | 7,846,917 | | 27,720 | - | 7,818,437 | 28,480 | - | |
| FUND 1997 | FFCB DISC | | 313312RU6 | DAIWA | 00000527260 | 2019-12-05 | 2020-01-14 | | | | | | | | | | | | | | |

Investment Inventory with Market Value
Summary by Fund

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|------------------------|------------|----------|------------|--------|--------------|---------------|---------------|-------|-------|--------------------|---------------|----------------------------|--------------------|--------------------|------------------------|------------------|---------------------|----------------------|-----------------|--------------------|---------------------------------|
| FUND 1997 | T-BILL | | 912796TC3 | BOFAB | 000000526455 | 2019-09-25 | 2020-01-23 | 1.850 | 1.861 | 10,961,000 | 99.383 | 10,893,407 | 10,893,407 | 10,951,807 | 99.92 | 55,201 | - | 10,893,407 | 58,400 | - | 1 |
| FUND 1997 | T-BILL | | 912796TA7 | BOFAB | 000000526819 | 2019-10-25 | 2020-01-09 | 1.620 | 1.626 | 12,576,000 | 99.658 | 12,532,990 | 12,532,990 | 12,572,663 | 99.97 | 38,483 | - | 12,532,990 | 39,673 | - | 1 |
| FUND 1997 | T-BILL | | 912796TA7 | DAIWA | 000000526901 | 2019-11-05 | 2020-01-09 | 1.495 | 1.499 | 10,941,000 | 99.730 | 10,911,467 | 10,911,467 | 10,938,097 | 99.97 | 25,898 | - | 10,911,467 | 26,630 | - | 1 |
| FUND 1997 | T-BILL | | 912796WM7 | CANT | 000000526959 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 22,796,000 | 99.763 | 22,741,923 | 22,741,923 | 22,741,923 | 99.98 | 48,283 | - | 22,741,923 | 49,730 | - | 1 |
| FUND 1997 | T-BILL | | 912796TK5 | DAIWA | 000000527194 | 2019-12-03 | 2020-03-12 | 1.520 | 1.526 | 11,003,000 | 99.578 | 10,956,543 | 10,956,543 | 10,970,874 | 99.71 | 13,473 | - | 10,956,543 | 14,331 | - | 1 |
| FUND 1997 | T-BILL | | 912796WN5 | BOFAB | 000000527261 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 15,671,000 | 99.840 | 15,645,926 | 15,645,926 | 15,663,306 | 99.95 | 16,925 | - | 15,645,926 | 17,380 | - | 1 |
| FUND 1997 | T-BILL | | 912796TB5 | BOFAB | 000000527315 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 2,434,000 | 99.850 | 2,430,360 | 2,430,360 | 2,432,677 | 99.95 | 2,164 | - | 2,430,360 | 2,317 | - | 1 |
| FUND 1997 | T-BILL | | 912796TB5 | BOFAB | 000000527313 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 50,000,000 | 99.850 | 49,925,229 | 49,925,229 | 49,972,827 | 99.95 | 44,458 | - | 49,925,229 | 47,597 | - | 1 |
| FUND 1997 | T-BILL | | 912796TB5 | BOFAB | 000000527314 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 50,000,000 | 99.850 | 49,925,229 | 49,925,229 | 49,972,827 | 99.95 | 44,458 | - | 49,925,229 | 47,597 | - | 1 |
| FUND 1997 Total | | | | | | | | | | 277,116,000 | | 276,307,769 | 276,307,769 | 276,935,776 | | 602,730 | - | 276,307,769 | 628,008 | - | |
| FUND 1998 | T-BILL | | 912796TB5 | BOFAB | 000000527327 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 11,000 | 99.850 | 10,984 | 10,984 | 10,994 | 99.95 | 10 | - | 10,984 | 10 | - | 1 |
| FUND 1998 Total | | | | | | | | | | 11,000 | | 10,984 | 10,984 | 10,994 | | 10 | - | 10,984 | 10 | - | |
| FUND 1999 | T-BILL | | 912796TB5 | BOFAB | 000000527316 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 6,287,000 | 99.850 | 6,277,598 | 6,277,598 | 6,283,583 | 99.95 | 5,590 | - | 6,277,598 | 5,985 | - | 1 |
| FUND 1999 Total | | | | | | | | | | 6,287,000 | | 6,277,598 | 6,277,598 | 6,283,583 | | 5,590 | - | 6,277,598 | 5,985 | - | |
| FUND 2600 | T-BILL | | 912796TC3 | BOFAB | 000000526295 | 2019-09-10 | 2020-01-23 | 1.821 | 1.834 | 1,000 | 99.317 | 993 | 993 | 999 | 99.92 | 6 | - | 993 | 6 | - | 1 |
| FUND 2600 | T-BILL | | 912796TB5 | BOFAB | 000000527317 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 759,000 | 99.850 | 757,865 | 757,865 | 758,588 | 99.95 | 675 | - | 757,865 | 723 | - | 1 |
| FUND 2600 Total | | | | | | | | | | 760,000 | | 758,858 | 758,858 | 759,587 | | 681 | - | 758,858 | 729 | - | |
| FUND 2601 | T-BILL | | 912796TB5 | DAIWA | 000000527156 | 2019-10-16 | 2020-01-16 | 1.620 | 1.627 | 260,000 | 99.586 | 258,924 | 258,924 | 259,859 | 99.95 | 901 | - | 258,924 | 935 | - | 1 |
| FUND 2601 | T-BILL | | 912796WM7 | CANT | 000000527599 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 409,000 | 99.763 | 408,030 | 408,030 | 408,922 | 99.98 | 866 | - | 408,030 | 892 | - | 1 |
| FUND 2601 | T-BILL | | 912796TB5 | BOFAB | 000000527318 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 523,000 | 99.850 | 522,218 | 522,218 | 522,716 | 99.95 | 465 | - | 522,218 | 498 | - | 1 |
| FUND 2601 | T-BILL | | 912796WM7 | DAIWA | 000000527621 | 2019-12-17 | 2020-01-07 | 1.520 | 1.521 | 1,175,000 | 99.911 | 1,173,958 | 1,173,958 | 1,174,776 | 99.98 | 744 | - | 1,173,958 | 818 | - | 1 |
| FUND 2601 Total | | | | | | | | | | 2,367,000 | | 2,363,129 | 2,363,129 | 2,366,272 | | 2,976 | - | 2,363,129 | 3,143 | - | |
| FUND 2602 | T-BILL | | 912796TC3 | BOFAB | 000000526296 | 2019-09-10 | 2020-01-23 | 1.821 | 1.834 | 1,000 | 99.317 | 993 | 993 | 999 | 99.92 | 6 | - | 993 | 6 | - | 1 |
| FUND 2602 | T-BILL | | 912796RT8 | CANT | 000000527485 | 2019-12-02 | 2020-01-02 | 1.520 | 1.522 | 30,772,000 | 99.869 | 30,731,723 | 30,731,723 | 30,769,713 | 99.99 | 38,978 | - | 30,731,723 | 37,990 | - | 1 |
| FUND 2602 | T-NOTE-MID | | 912828X96 | CANT | 000000527037 | 2019-11-15 | 2020-05-15 | 1.500 | 1.563 | 315,000 | 99.969 | 314,902 | 314,902 | 314,895 | 99.97 | 610 | 25 | 314,927 | - | (31.58) | 1 |
| FUND 2602 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527015 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 38,906,000 | 99.973 | 38,895,362 | 38,895,362 | 38,893,082 | 99.97 | 75,354 | 2,747 | 38,898,109 | - | (5,026.89) | 1 |
| FUND 2602 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527572 | 2019-12-23 | 2020-05-15 | 1.500 | 1.578 | 37,668,000 | 99.969 | 37,715,214 | 37,715,214 | 37,655,493 | 99.97 | 72,956 | 736 | 37,656,964 | - | (1,471.36) | 1 |
| FUND 2602 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527570 | 2019-12-23 | 2020-05-15 | 1.500 | 1.578 | 50,000,000 | 99.969 | 50,062,672 | 50,062,672 | 49,983,399 | 99.97 | 96,841 | 977 | 49,985,352 | - | (1,953.06) | 1 |
| FUND 2602 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527571 | 2019-12-23 | 2020-05-15 | 1.500 | 1.578 | 50,000,000 | 99.969 | 50,062,672 | 50,062,672 | 49,983,399 | 99.97 | 96,841 | 977 | 49,985,352 | - | (1,953.06) | 1 |
| FUND 2602 Total | | | | | | | | | | 207,662,000 | | 207,783,537 | 207,783,537 | 207,600,980 | | 381,585 | 5,462 | 207,573,420 | 37,996 | (10,435.96) | |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527024 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 13,175,000 | 99.973 | 13,171,397 | 13,171,397 | 13,170,626 | 99.97 | 25,518 | 930 | 13,172,328 | - | (1,702.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527016 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527017 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527018 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527019 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527020 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527021 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527022 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527023 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 |
| FUND 2605 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527343 | 2019-12-10 | 2020-05-15 | 1.500 | 1.554 | 29,282,000 | 99.977 | 29,305,304 | 29,305,304 | 29,272,278 | 99.97 | 56,714 | 962 | 29,276,099 | - | (3,821.22) | 1 |
| FUND 2605 Total | | | | | | | | | | 442,457,000 | | 442,367,326 | 442,367,326 | 442,310,091 | | 856,957 | 30,137 | 442,367,297 | - | (57,205.64) | |
| FUND 2606 | T-BILL | | 912796TC3 | BOFAB | 000000527515 | 2019-09-10 | 2020-01-23 | 1.821 | 1.834 | 1,879,000 | 99.317 | 1,866,169 | 1,866,169 | 1,877,424 | 99.92 | 10,740 | - | 1,866,169 | 11,255 | - | 1 |
| FUND 2606 | T-BILL | | 912796TA7 | CANT | 000000527157 | 2019-09-24 | 2020-01-09 | 1.827 | 1.837 | 1,304,000 | 99.457 | 1,296,917 | 1,296,917 | 1,303,654 | 99.97 | 6,553 | - | 1,296,917 | 6,737 | - | 1 |
| FUND 2606 | T-BILL | | 912796TA7 | CANT | 000000527145 | 2019-09-24 | 2020-01-09 | 1.828 | 1.837 | 15,359,000 | 99.457 | 15,275,574 | 15,275,574 | 15,354,924 | 99.97 | 77,189 | - | 15,275,574 | 79,350 | - | 1 |
| FUND 2606 | T-BILL | | 912796TC3 | DAIWA | 000000526575 | 2019-10-01 | 2020-01-23 | 1.760 | 1.770 | 14,092,000 | 99.443 | 14,013,461 | 14,013,461 | 14,080,181 | 99.92 | 63,383 | - | 14,013,461 | 66,720 | - | 1 |
| FUND 2606 | T-BILL | | 912796TB5 | BOFAB | 000000527319 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 16,235,000 | 99.850 | 16,210,72 | | | | | | | | | |

Investment Inventory with Market Value
Summary by Fund

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|------------------------|------------|----------|------------|--------|-------------|---------------|---------------|-------|-------|--------------------|---------------|----------------------------|--------------------|--------------------|------------------------|------------------|---------------------|----------------------|-----------------|-----------------|---------------------------------|
| FUND 2606 Total | | | | | | | | | | 49,226,000 | | 49,019,526 | 49,019,526 | 49,199,292 | | 172,527 | - | 49,019,526 | 179,766 | - | |
| FUND 2608 | T-BILL | | 912796TB5 | BOFAB | 00000527320 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 3,752,000 | 99.850 | 3,746,389 | 3,746,389 | 3,749,961 | 99.95 | 3,336 | - | 3,746,389 | 3,572 | - | 1 |
| FUND 2608 Total | | | | | | | | | | 3,752,000 | | 3,746,389 | 3,746,389 | 3,749,961 | | 3,336 | - | 3,746,389 | 3,572 | - | |
| FUND 2609 | T-BILL | | 912796TC3 | BOFAB | 00000526298 | 2019-09-10 | 2020-01-23 | 1.821 | 1.834 | 11,000 | 99.317 | 10,925 | 10,925 | 10,991 | 99.92 | 63 | - | 10,925 | 66 | - | 1 |
| FUND 2609 | T-BILL | | 912796TB5 | BOFAB | 00000527321 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 8,741,000 | 99.850 | 8,727,929 | 8,727,929 | 8,736,250 | 99.95 | 7,772 | - | 8,727,929 | 8,321 | - | 1 |
| FUND 2609 Total | | | | | | | | | | 8,752,000 | | 8,738,853 | 8,738,853 | 8,747,240 | | 7,835 | - | 8,738,853 | 8,387 | - | |
| FUND 2610 | T-BILL | | 912796TB5 | DAIWA | 00000526718 | 2019-10-16 | 2020-01-16 | 1.620 | 1.627 | 14,220,000 | 99.586 | 14,161,129 | 14,161,129 | 14,212,272 | 99.95 | 49,272 | - | 14,161,129 | 51,143 | - | 1 |
| FUND 2610 | T-BILL | | 912796TB5 | DAIWA | 00000526717 | 2019-10-16 | 2020-01-16 | 1.620 | 1.627 | 50,000,000 | 99.586 | 49,793,000 | 49,793,000 | 49,972,827 | 99.95 | 173,250 | - | 49,793,000 | 179,827 | - | 1 |
| FUND 2610 | T-BILL | | 912796TA7 | DAIWA | 00000526837 | 2019-10-29 | 2020-01-09 | 1.550 | 1.555 | 160,000 | 99.690 | 159,504 | 159,504 | 159,958 | 99.97 | 441 | - | 159,504 | 454 | - | 1 |
| FUND 2610 | T-BILL | | 912796TA7 | DAIWA | 00000527516 | 2019-10-29 | 2020-01-09 | 1.550 | 1.555 | 25,995,000 | 99.690 | 25,914,416 | 25,914,416 | 25,988,102 | 99.97 | 71,631 | - | 25,914,416 | 73,686 | - | 1 |
| FUND 2610 | T-BILL | | 912796WM7 | CANT | 00000527623 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 2,932,000 | 99.763 | 2,925,045 | 2,925,045 | 2,931,441 | 99.98 | 6,210 | - | 2,925,045 | 6,396 | - | 1 |
| FUND 2610 | T-BILL | | 912796WM7 | CANT | 00000526962 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 50,000,000 | 99.763 | 49,881,389 | 49,881,389 | 49,990,466 | 99.98 | 105,903 | - | 49,881,389 | 109,077 | - | 1 |
| FUND 2610 | T-BILL | | 912796WN5 | BOFAB | 00000527263 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 18,760,000 | 99.840 | 18,729,984 | 18,729,984 | 18,750,789 | 99.95 | 20,261 | - | 18,729,984 | 20,805 | - | 1 |
| FUND 2610 | T-BILL | | 912796WN5 | BOFAB | 00000527262 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 50,000,000 | 99.840 | 49,920,000 | 49,920,000 | 49,975,452 | 99.95 | 54,000 | - | 49,920,000 | 55,452 | - | 1 |
| FUND 2610 | T-BILL | | 912796TB5 | BOFAB | 00000527322 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 47,156,000 | 99.850 | 47,085,482 | 47,085,482 | 47,130,372 | 99.95 | 41,930 | - | 47,085,482 | 44,890 | - | 1 |
| FUND 2610 | T-BILL | | 912796WM7 | DAIWA | 00000527596 | 2019-12-17 | 2020-01-07 | 1.520 | 1.521 | 6,000,000 | 99.911 | 5,994,680 | 5,994,680 | 5,998,856 | 99.98 | 3,800 | - | 5,994,680 | 4,176 | - | 1 |
| FUND 2610 | T-BILL | | 912796WM7 | DAIWA | 00000527443 | 2019-12-17 | 2020-01-07 | 1.520 | 1.521 | 37,515,000 | 99.911 | 37,481,737 | 37,481,737 | 37,507,847 | 99.98 | 23,760 | - | 37,481,737 | 26,110 | - | 1 |
| FUND 2610 Total | | | | | | | | | | 302,738,000 | | 302,046,365 | 302,046,365 | 302,618,380 | | 550,457 | - | 302,046,365 | 572,015 | - | |
| FUND 2631 | FHLB NOTES | | 313384RM3 | CANT | 00000527086 | 2019-11-21 | 2020-01-07 | 1.555 | 1.558 | 39,722,000 | 99.797 | 39,641,359 | 39,641,359 | 39,710,361 | 99.97 | 70,347 | - | 39,641,359 | 69,003 | - | 2 |
| FUND 2631 | FHLB NOTES | | 313384RM3 | CANT | 00000527084 | 2019-11-21 | 2020-01-07 | 1.555 | 1.558 | 50,000,000 | 99.797 | 49,898,493 | 49,898,493 | 49,985,350 | 99.97 | 88,549 | - | 49,898,493 | 86,857 | - | 2 |
| FUND 2631 | FHLB NOTES | | 313384RM3 | CANT | 00000527085 | 2019-11-21 | 2020-01-07 | 1.555 | 1.558 | 50,000,000 | 99.797 | 49,898,493 | 49,898,493 | 49,985,350 | 99.97 | 88,549 | - | 49,898,493 | 86,857 | - | 2 |
| FUND 2631 | T-BILL | | 912796TA7 | CANT | 00000527517 | 2019-10-08 | 2020-01-09 | 1.623 | 1.629 | 3,864,000 | 99.581 | 3,847,804 | 3,847,804 | 3,862,975 | 99.97 | 14,803 | - | 3,847,804 | 15,170 | - | 1 |
| FUND 2631 | T-BILL | | 912796WM7 | CANT | 00000527624 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 11,892,000 | 99.763 | 11,899,704 | 11,899,704 | 11,925,726 | 99.98 | 25,264 | - | 11,899,704 | 26,021 | - | 1 |
| FUND 2631 | T-BILL | | 912796WM7 | CANT | 00000526961 | 2019-11-12 | 2020-01-07 | 1.525 | 1.529 | 50,000,000 | 99.763 | 49,881,389 | 49,881,389 | 49,990,466 | 99.98 | 105,903 | - | 49,881,389 | 109,077 | - | 1 |
| FUND 2631 | T-BILL | | 912796WP0 | BOFAB | 00000527140 | 2019-11-26 | 2020-01-21 | 1.560 | 1.564 | 2,447,000 | 99.757 | 2,441,062 | 2,441,062 | 2,445,096 | 99.92 | 3,817 | - | 2,441,062 | 4,034 | - | 1 |
| FUND 2631 | T-BILL | | 912796WP0 | BOFAB | 00000527126 | 2019-11-26 | 2020-01-21 | 1.565 | 1.569 | 23,744,000 | 99.757 | 23,686,197 | 23,686,197 | 23,725,522 | 99.92 | 37,159 | - | 23,686,197 | 39,326 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | BOFAB | 00000527264 | 2019-12-05 | 2020-01-14 | 1.440 | 1.442 | 20,075,000 | 99.840 | 20,042,880 | 20,042,880 | 20,065,144 | 99.95 | 21,681 | - | 20,042,880 | 22,264 | - | 1 |
| FUND 2631 | T-BILL | | 912796TB5 | BOFAB | 00000527325 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 41,822,000 | 99.850 | 41,759,459 | 41,759,459 | 41,799,271 | 99.95 | 37,187 | - | 41,759,459 | 39,812 | - | 1 |
| FUND 2631 | T-BILL | | 912796TB5 | BOFAB | 00000527323 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 50,000,000 | 99.850 | 49,925,229 | 49,925,229 | 49,972,827 | 99.95 | 44,458 | - | 49,925,229 | 47,597 | - | 1 |
| FUND 2631 | T-BILL | | 912796TB5 | BOFAB | 00000527324 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 50,000,000 | 99.850 | 49,925,229 | 49,925,229 | 49,972,827 | 99.95 | 44,458 | - | 49,925,229 | 47,597 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527528 | 2019-12-20 | 2020-01-14 | 1.470 | 1.472 | 1,030,000 | 99.898 | 1,028,949 | 1,028,949 | 1,028,949 | 99.95 | 505 | - | 1,028,949 | 546 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527518 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527519 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527520 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527521 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527522 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527523 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527524 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527525 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527526 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 00000527527 | 2019-12-20 | 2020-01-14 | 1.490 | 1.492 | 50,000,000 | 99.897 | 49,948,264 | 49,948,264 | 49,975,452 | 99.95 | 24,833 | - | 49,948,264 | 27,188 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | CANT | 00000527529 | 2019-12-20 | 2020-01-14 | 1.475 | 1.477 | 50,000,000 | 99.898 | 49,948,785 | 49,948,785 | 49,975,452 | 99.95 | 24,583 | - | 49,948,785 | 26,667 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | CANT | 00000527530 | 2019-12-20 | 2020-01-14 | 1.475 | 1.477 | 50,000,000 | 99.898 | 49,948,785 | 49,948,785 | 49,975,452 | 99.95 | 24,583 | - | 49,948,785 | 26,667 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | CANT | 00000527531 | 2019-12-20 | 2020-01-14 | 1.475 | 1.477 | 50,000,000 | 99.898 | 49,948,785 | 49,948,785 | 49,975,452 | 99.95 | 24,583 | - | 49,948,785 | 26,667 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | CANT | 00000527532 | 2019-12-20 | 2020-01-14 | 1.475 | 1.477 | 50,000,000 | 99.898 | 49,948,785 | 49,948,785 | 49,975,452 | 99.95 | 24,583 | - | 49,948,785 | 26,667 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | CANT | | | | | | | | | | | | | | | | | |

Investment Inventory with Market Value
Summary by Fund

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|------------------------|------------|----------|------------|--------|--------------|---------------|---------------|-------|-------|----------------------|---------------|----------------------------|----------------------|----------------------|------------------------|------------------|---------------------|----------------------|------------------|-------------------|---------------------------------|
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 000000527535 | 2019-12-20 | 2020-01-14 | 1.470 | 1.472 | 50,000,000 | 99.898 | 49,948,958 | 49,948,958 | 49,975,452 | 99.95 | 24,500 | - | 49,948,958 | 26,493 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 000000527536 | 2019-12-20 | 2020-01-14 | 1.470 | 1.472 | 50,000,000 | 99.898 | 49,948,958 | 49,948,958 | 49,975,452 | 99.95 | 24,500 | - | 49,948,958 | 26,493 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 000000527537 | 2019-12-20 | 2020-01-14 | 1.470 | 1.472 | 50,000,000 | 99.898 | 49,948,958 | 49,948,958 | 49,975,452 | 99.95 | 24,500 | - | 49,948,958 | 26,493 | - | 1 |
| FUND 2631 | T-BILL | | 912796WN5 | DAIWA | 000000527538 | 2019-12-20 | 2020-01-14 | 1.470 | 1.472 | 50,000,000 | 99.898 | 49,948,958 | 49,948,958 | 49,975,452 | 99.95 | 24,500 | - | 49,948,958 | 26,493 | - | 1 |
| FUND 2631 Total | | | | | | | | | | 1,394,632,000 | | 1,392,847,600 | 1,392,847,600 | 1,393,979,438 | | 1,076,429 | - | 1,392,847,600 | 1,131,837 | - | |
| FUND 2700 | T-BILL | | 912796WN5 | DAIWA | 000000527433 | 2019-12-17 | 2020-01-14 | 1.520 | 1.522 | 39,798,000 | 99.882 | 39,750,950 | 39,750,950 | 39,778,460 | 99.95 | 25,205 | - | 39,750,950 | 27,510 | - | 1 |
| FUND 2700 | T-BILL | | 912796WN5 | DAIWA | 000000527429 | 2019-12-17 | 2020-01-14 | 1.520 | 1.522 | 50,000,000 | 99.882 | 49,940,889 | 49,940,889 | 49,975,452 | 99.95 | 31,667 | - | 49,940,889 | 34,563 | - | 1 |
| FUND 2700 | T-BILL | | 912796WN5 | DAIWA | 000000527430 | 2019-12-17 | 2020-01-14 | 1.520 | 1.522 | 50,000,000 | 99.882 | 49,940,889 | 49,940,889 | 49,975,452 | 99.95 | 31,667 | - | 49,940,889 | 34,563 | - | 1 |
| FUND 2700 | T-BILL | | 912796WN5 | DAIWA | 000000527431 | 2019-12-17 | 2020-01-14 | 1.520 | 1.522 | 50,000,000 | 99.882 | 49,940,889 | 49,940,889 | 49,975,452 | 99.95 | 31,667 | - | 49,940,889 | 34,563 | - | 1 |
| FUND 2700 | T-BILL | | 912796WN5 | DAIWA | 000000527432 | 2019-12-17 | 2020-01-14 | 1.520 | 1.522 | 50,000,000 | 99.882 | 49,940,889 | 49,940,889 | 49,975,452 | 99.95 | 31,667 | - | 49,940,889 | 34,563 | - | 1 |
| FUND 2700 | T-BILL | | 912796WR6 | CANT | 000000527573 | 2019-12-23 | 2020-02-04 | 1.515 | 1.518 | 48,938,000 | 99.819 | 48,849,443 | 48,849,443 | 48,873,043 | 99.87 | 18,535 | - | 48,849,443 | 23,601 | - | 1 |
| FUND 2700 | T-BILL | | 912796WT2 | DAIWA | 000000527629 | 2019-12-31 | 2020-02-18 | 1.420 | 1.423 | 45,527,000 | 99.807 | 45,439,006 | 45,439,006 | 45,437,843 | 99.80 | 1,796 | - | 45,439,006 | - | (1,163.32) | 1 |
| FUND 2700 | T-BILL | | 912796WT2 | DAIWA | 000000527628 | 2019-12-31 | 2020-02-18 | 1.420 | 1.423 | 50,000,000 | 99.807 | 49,903,361 | 49,903,361 | 49,902,084 | 99.80 | 1,972 | - | 49,903,361 | - | (1,277.61) | 1 |
| FUND 2700 Total | | | | | | | | | | 384,263,000 | | 383,706,316 | 383,706,316 | 383,893,236 | | 174,175 | - | 383,706,316 | 189,361 | (2,440.93) | |
| FUND 2800 | T-NOTE-MID | | 912828V31 | BOFAB | 000000526941 | 2019-10-15 | 2020-01-15 | 1.375 | 1.592 | 656,000 | 99.945 | 657,896 | 657,896 | 655,974 | 100.00 | 4,167 | 304 | 655,945 | 29 | - | 1 |
| FUND 2800 Total | | | | | | | | | | 656,000 | | 657,896 | 657,896 | 655,974 | | 4,167 | 304 | 655,945 | 29 | - | |
| FUND 2801 | T-BILL | | 912796TB5 | BOFAB | 000000526293 | 2019-09-10 | 2020-01-16 | 1.825 | 1.837 | 6,000 | 99.351 | 5,961 | 5,961 | 5,997 | 99.95 | 34 | - | 5,961 | 36 | - | 1 |
| FUND 2801 Total | | | | | | | | | | 6,000 | | 5,961 | 5,961 | 5,997 | | 34 | - | 5,961 | 36 | - | |
| FUND 2802 | T-NOTE-MID | | 912828V31 | BOFAB | 000000526666 | 2019-10-15 | 2020-01-15 | 1.375 | 1.592 | 9,181,000 | 99.945 | 9,207,539 | 9,207,539 | 9,180,641 | 100.00 | 58,317 | 4,257 | 9,180,236 | 405 | - | 1 |
| FUND 2802 Total | | | | | | | | | | 9,181,000 | | 9,207,539 | 9,207,539 | 9,180,641 | | 58,317 | 4,257 | 9,180,236 | 405 | - | |
| FUND 2803 | SLGS_NOTE | | 91399XHE8 | MTA | 000000516574 | 2016-09-23 | 2020-01-15 | 0.910 | 0.910 | 1,468,624 | 100.000 | 1,468,624 | 1,468,624 | 1,468,624 | * | 0.00 | 6,174 | 1,468,624 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHF5 | MTA | 000000516575 | 2016-09-23 | 2020-02-15 | 0.930 | 0.930 | 1,468,379 | 100.000 | 1,468,379 | 1,468,379 | 1,468,379 | * | 0.00 | 5,158 | 1,468,379 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHG3 | MTA | 000000516576 | 2016-09-23 | 2020-03-15 | 0.940 | 0.940 | 1,468,134 | 100.000 | 1,468,134 | 1,468,134 | 1,468,134 | * | 0.00 | 4,095 | 1,468,134 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHJ7 | MTA | 000000516577 | 2016-09-23 | 2020-04-15 | 0.950 | 0.950 | 1,467,962 | 100.000 | 1,467,962 | 1,467,962 | 1,467,962 | * | 0.00 | 2,972 | 1,467,962 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHK4 | MTA | 000000516477 | 2016-09-23 | 2020-05-15 | 0.970 | 0.970 | 1,467,717 | 100.000 | 1,467,717 | 1,467,717 | 1,467,717 | * | 0.00 | 1,838 | 1,467,717 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHL2 | MTA | 000000516578 | 2016-09-23 | 2020-06-15 | 0.980 | 0.980 | 1,475,411 | 100.000 | 1,475,411 | 1,475,411 | 1,475,411 | * | 0.00 | 672 | 1,475,411 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHM0 | MTA | 000000516579 | 2016-09-23 | 2020-07-15 | 0.990 | 0.990 | 1,475,307 | 100.000 | 1,475,307 | 1,475,307 | 1,475,307 | * | 0.00 | 6,747 | 1,475,307 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHN8 | MTA | 000000516580 | 2016-09-23 | 2020-08-15 | 1.000 | 1.000 | 1,475,207 | 100.000 | 1,475,207 | 1,475,207 | 1,475,207 | * | 0.00 | 5,572 | 1,475,207 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHP3 | MTA | 000000516581 | 2016-09-23 | 2020-09-15 | 1.020 | 1.020 | 1,475,034 | 100.000 | 1,475,034 | 1,475,034 | 1,475,034 | * | 0.00 | 4,464 | 1,475,034 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHQ1 | MTA | 000000516582 | 2016-09-23 | 2020-10-15 | 1.030 | 1.030 | 1,474,934 | 100.000 | 1,474,934 | 1,474,934 | 1,474,934 | * | 0.00 | 3,238 | 1,474,934 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHR9 | MTA | 000000516478 | 2016-09-23 | 2020-11-15 | 1.040 | 1.040 | 1,474,836 | 100.000 | 1,474,836 | 1,474,836 | 1,474,836 | * | 0.00 | - | 1,474,836 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHS7 | MTA | 000000516583 | 2016-09-23 | 2020-12-15 | 1.060 | 1.060 | 1,05,849 | 100.000 | 1,05,849 | 1,05,849 | 1,05,849 | * | 0.00 | 52 | 1,05,849 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHT5 | MTA | 000000516584 | 2016-09-23 | 2021-01-15 | 1.070 | 1.070 | 105,818 | 100.000 | 105,818 | 105,818 | 105,818 | * | 0.00 | 523 | 105,818 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHU2 | MTA | 000000516595 | 2016-09-23 | 2021-02-15 | 1.080 | 1.080 | 105,792 | 100.000 | 105,792 | 105,792 | 105,792 | * | 0.00 | 432 | 105,792 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHV0 | MTA | 000000516596 | 2016-09-23 | 2021-03-15 | 1.100 | 1.100 | 105,766 | 100.000 | 105,766 | 105,766 | 105,766 | * | 0.00 | 345 | 105,766 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHW8 | MTA | 000000516597 | 2016-09-23 | 2021-04-15 | 1.110 | 1.110 | 105,739 | 100.000 | 105,739 | 105,739 | 105,739 | * | 0.00 | 250 | 105,739 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHX6 | MTA | 000000516479 | 2016-09-23 | 2021-05-15 | 1.120 | 1.120 | 105,713 | 100.000 | 105,713 | 105,713 | 105,713 | * | 0.00 | - | 105,713 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHY4 | MTA | 000000516598 | 2016-09-23 | 2021-06-15 | 1.130 | 1.130 | 106,411 | 100.000 | 106,411 | 106,411 | 106,411 | * | 0.00 | 56 | 106,411 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XHZ1 | MTA | 000000516599 | 2016-09-23 | 2021-07-15 | 1.150 | 1.150 | 106,384 | 100.000 | 106,384 | 106,384 | 106,384 | * | 0.00 | 565 | 106,384 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJA4 | MTA | 000000516600 | 2016-09-23 | 2021-08-15 | 1.160 | 1.160 | 106,363 | 100.000 | 106,363 | 106,363 | 106,363 | * | 0.00 | 466 | 106,363 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJB2 | MTA | 000000516601 | 2016-09-23 | 2021-09-15 | 1.170 | 1.170 | 106,348 | 100.000 | 106,348 | 106,348 | 106,348 | * | 0.00 | 369 | 106,348 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJC0 | MTA | 000000516602 | 2016-09-23 | 2021-10-15 | 1.190 | 1.190 | 106,326 | 100.000 | 106,326 | 106,326 | 106,326 | * | 0.00 | 270 | 106,326 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJD8 | MTA | 000000516480 | 2016-09-23 | 2021-11-15 | 1.200 | 1.200 | 106,305 | 100.000 | 106,305 | 106,305 | 106,305 | * | 0.00 | 165 | 106,305 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJE6 | MTA | 000000516603 | 2016-09-23 | 2021-12-15 | 1.210 | 1.210 | 107,012 | 100.000 | 107,012 | 107,012 | 107,012 | * | 0.00 | 60 | 107,012 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJF3 | MTA | 000000516604 | 2016-09-23 | 2022-01-15 | 1.230 | 1.230 | 106,996 | 100.000 | 106,996 | 106,996 | 106,996 | * | 0.00 | 608 | 106,996 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJG1 | MTA | 000000516605 | 2016-09-23 | 2022-02-15 | 1.240 | 1.240 | 106,980 | 100.000 | 106,980 | 106,980 | 106,980 | * | 0.00 | 501 | 106,980 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJH9 | MTA | 000000516606 | 2016-09-23 | 2022-03-15 | 1.250 | 1.250 | 106,969 | 100.000 | 106,969 | 106,969 | 106,969 | * | 0.00 | 397 | 106,969 | - | - | |

Investment Inventory with Market Value
Summary by Fund

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL | |
|------------------------|------------|----------|------------|--------|--------------|---------------|---------------|-------|-------|--------------------|---------------|----------------------------|--------------------|--------------------|------------------------|------------------|---------------------|----------------------|-----------------|--------------------|---------------------------------|---|
| FUND 2803 | SLGS_NOTE | | 91399XJJ5 | MTA | 000000516607 | 2016-09-23 | 2022-04-15 | 1.260 | 1.260 | 106,959 | 100.000 | 106,959 | 106,959 | 106,959 | * | 0.00 | 287 | - | 106,959 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJK2 | MTA | 000000516608 | 2016-09-23 | 2022-05-15 | 1.280 | 1.280 | 106,943 | 100.000 | 106,943 | 106,943 | 106,943 | * | 0.00 | 177 | - | 106,943 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJL0 | MTA | 000000516609 | 2016-09-23 | 2022-06-15 | 1.290 | 1.290 | 107,659 | 100.000 | 107,659 | 107,659 | 107,659 | * | 0.00 | 65 | - | 107,659 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJM8 | MTA | 000000516610 | 2016-09-23 | 2022-07-15 | 1.300 | 1.300 | 107,654 | 100.000 | 107,654 | 107,654 | 107,654 | * | 0.00 | 647 | - | 107,654 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJN6 | MTA | 000000516611 | 2016-09-23 | 2022-08-15 | 1.320 | 1.320 | 107,644 | 100.000 | 107,644 | 107,644 | 107,644 | * | 0.00 | 537 | - | 107,644 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJP1 | MTA | 000000516612 | 2016-09-23 | 2022-09-15 | 1.330 | 1.330 | 107,638 | 100.000 | 107,638 | 107,638 | 107,638 | * | 0.00 | 425 | - | 107,638 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJQ9 | MTA | 000000516613 | 2016-09-23 | 2022-10-15 | 1.340 | 1.340 | 107,632 | 100.000 | 107,632 | 107,632 | 107,632 | * | 0.00 | 307 | - | 107,632 | - | - | 2 |
| FUND 2803 | SLGS_NOTE | | 91399XJR7 | MTA | 000000516481 | 2016-09-23 | 2022-11-15 | 1.350 | 1.350 | 107,627 | 100.000 | 107,627 | 107,627 | 107,627 | * | 0.00 | 188 | - | 107,627 | - | - | 2 |
| FUND 2803 | T-NOTE-MID | | 912828W22 | DAIWA | 000000527071 | 2019-11-20 | 2020-02-15 | 1.375 | 1.555 | 11,000 | 99.957 | 11,035 | 11,035 | 10,997 | 99.97 | 57 | 2 | 10,998 | - | (0.55) | 1 | |
| FUND 2803 Total | | | | | | | | | | 18,763,072 | | 18,763,107 | 18,763,107 | 18,763,069 | | 48,676 | 2 | 18,763,070 | - | (0.55) | | |
| FUND 2809 | T-NOTE-MID | | 912828W22 | CANT | 000000527032 | 2019-11-15 | 2020-02-15 | 1.375 | 1.561 | 871,000 | 99.953 | 873,586 | 873,586 | 870,762 | 99.97 | 4,524 | 209 | 870,800 | - | (38.48) | 1 | |
| FUND 2809 | T-NOTE-MID | | 912828W22 | DAIWA | 000000527057 | 2019-11-19 | 2020-02-15 | 1.375 | 1.569 | 2,980,000 | 99.953 | 2,990,295 | 2,990,295 | 2,980,185 | 99.97 | 15,482 | 683 | 2,980,285 | - | (100.58) | 1 | |
| FUND 2809 | T-NOTE-MID | | 912828MP2 | DAIWA | 000000527488 | 2019-12-19 | 2020-02-15 | 3.625 | 1.671 | 3,577,000 | 100.305 | 3,632,295 | 3,632,295 | 3,586,362 | 100.26 | 48,977 | (2,443) | 3,585,456 | 906 | - | 1 | |
| FUND 2809 Total | | | | | | | | | | 7,429,000 | | 7,496,176 | 7,496,176 | 7,437,308 | | 68,983 | (1,551) | 7,436,542 | 906 | (139.05) | | |
| FUND 2810 | T-NOTE-MID | | 912828W22 | CANT | 000000526997 | 2019-11-14 | 2020-02-15 | 1.375 | 1.590 | 17,162,000 | 99.945 | 17,210,968 | 17,210,968 | 17,157,307 | 99.97 | 89,133 | 4,844 | 17,157,459 | - | (151.42) | 1 | |
| FUND 2810 | T-NOTE-MID | | 912828W22 | DAIWA | 000000527058 | 2019-11-19 | 2020-02-15 | 1.375 | 1.569 | 5,049,000 | 99.953 | 5,064,744 | 5,064,744 | 5,047,619 | 99.97 | 26,223 | 1,156 | 5,047,790 | - | (170.37) | 1 | |
| FUND 2810 | T-NOTE-MID | | 912828MP2 | DAIWA | 000000527489 | 2019-12-19 | 2020-02-15 | 3.625 | 1.671 | 939,000 | 100.305 | 953,516 | 953,516 | 941,458 | 100.26 | 12,857 | (641) | 941,220 | 238 | - | 1 | |
| FUND 2810 Total | | | | | | | | | | 23,150,000 | | 23,229,227 | 23,229,227 | 23,146,384 | | 128,212 | 5,359 | 23,146,468 | 238 | (321.79) | | |
| FUND 3502 | T-BILL | | 912796RT8 | BOFAB | 000000526327 | 2019-09-12 | 2020-01-02 | 1.850 | 1.861 | 40,000 | 99.424 | 39,770 | 39,770 | 39,997 | 99.99 | 228 | - | 39,770 | 227 | - | 1 | |
| FUND 3502 Total | | | | | | | | | | 40,000 | | 39,770 | 39,770 | 39,997 | | 228 | - | 39,770 | 227 | - | | |
| FUND 5000 | T-BILL | | 912796TC3 | DAIWA | 000000527549 | 2019-12-19 | 2020-01-23 | 1.500 | 1.502 | 5,825,000 | 99.854 | 5,816,505 | 5,816,505 | 5,820,114 | 99.92 | 3,155 | - | 5,816,505 | 3,609 | - | 1 | |
| FUND 5000 Total | | | | | | | | | | 5,825,000 | | 5,816,505 | 5,816,505 | 5,820,114 | | 3,155 | - | 5,816,505 | 3,609 | - | | |
| FUND 7052 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527025 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 34,885,000 | 99.973 | 34,885,458 | 34,885,458 | 34,883,414 | 99.97 | 67,585 | 2,464 | 34,887,922 | - | (4,508.61) | 1 | |
| FUND 7052 | T-NOTE-MID | | 912828W22 | CANT | 000000527176 | 2019-11-18 | 2020-02-15 | 1.375 | 1.575 | 17,637,000 | 99.951 | 17,690,992 | 17,690,992 | 17,632,177 | 99.97 | 91,600 | 4,258 | 17,632,646 | - | (468.37) | 1 | |
| FUND 7052 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527574 | 2019-12-23 | 2020-05-15 | 1.500 | 1.578 | 11,713,000 | 99.969 | 11,727,681 | 11,727,681 | 11,709,111 | 99.97 | 22,686 | 229 | 11,709,568 | - | (457.53) | 1 | |
| FUND 7052 Total | | | | | | | | | | 64,245,000 | | 64,304,132 | 64,304,132 | 64,224,702 | | 181,871 | 6,950 | 64,230,137 | - | (5,434.51) | | |
| FUND 7053 | T-BILL | | 912796TA7 | DAIWA | 000000526630 | 2019-10-10 | 2020-01-09 | 1.645 | 1.652 | 771,000 | 99.584 | 767,794 | 767,794 | 770,795 | 99.97 | 2,924 | - | 767,794 | 3,001 | - | 1 | |
| FUND 7053 Total | | | | | | | | | | 771,000 | | 767,794 | 767,794 | 770,795 | | 2,924 | - | 767,794 | 3,001 | - | | |
| FUND 7054 | T-BILL | | 912796TA7 | DAIWA | 000000527393 | 2019-10-10 | 2020-01-09 | 1.645 | 1.652 | 49,000 | 99.584 | 48,796 | 48,796 | 48,987 | 99.97 | 186 | - | 48,796 | 191 | - | 1 | |
| FUND 7054 Total | | | | | | | | | | 49,000 | | 48,796 | 48,796 | 48,987 | | 186 | - | 48,796 | 191 | - | | |
| FUND 7055 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527027 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 37,844,000 | 99.973 | 37,833,652 | 37,833,652 | 37,831,435 | 99.97 | 73,297 | 2,672 | 37,836,324 | - | (4,889.65) | 1 | |
| FUND 7055 | T-NOTE-MID | | 912828X96 | DAIWA | 000000527026 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 50,000,000 | 99.973 | 49,986,328 | 49,986,328 | 49,983,399 | 99.97 | 96,841 | 3,531 | 49,989,859 | - | (6,460.27) | 1 | |
| FUND 7055 Total | | | | | | | | | | 87,844,000 | | 87,819,980 | 87,819,980 | 87,814,833 | | 170,137 | 6,203 | 87,826,183 | - | (11,349.92) | | |
| FUND 7056 | T-BILL | | 912796TC3 | DAIWA | 000000526524 | 2019-10-01 | 2020-01-23 | 1.760 | 1.770 | 2,429,000 | 99.443 | 2,415,462 | 2,415,462 | 2,426,963 | 99.92 | 10,925 | - | 2,415,462 | 11,500 | - | 1 | |
| FUND 7056 Total | | | | | | | | | | 2,429,000 | | 2,415,462 | 2,415,462 | 2,426,963 | | 10,925 | - | 2,415,462 | 11,500 | - | | |
| FUND 9107 | T-BILL | | 912796TB5 | BOFAB | 000000527326 | 2019-12-10 | 2020-01-16 | 1.455 | 1.457 | 24,070,000 | 99.850 | 24,034,005 | 24,034,005 | 24,056,919 | 99.95 | 21,402 | - | 24,034,005 | 22,913 | - | 1 | |
| FUND 9107 | T-BILL | | 912796RT8 | BOFAB | 000000527373 | 2019-12-12 | 2020-01-02 | 1.490 | 1.491 | 49,588,000 | 99.913 | 49,544,900 | 49,544,900 | 49,584,315 | 99.99 | 41,048 | - | 49,544,900 | 39,415 | - | 1 | |
| FUND 9107 | T-BILL | | 912796WM7 | DAIWA | 000000527625 | 2019-12-17 | 2020-01-07 | 1.520 | 1.521 | 11,903,000 | 99.911 | 11,892,446 | 11,892,446 | 11,900,730 | 99.98 | 7,539 | - | 11,892,446 | 8,284 | - | 1 | |
| FUND 9107 | T-BILL | | 912796TB5 | MERIL | 000000527494 | 2019-12-19 | 2020-01-16 | 1.490 | 1.492 | 16,989,000 | 99.884 | 16,969,312 | 16,969,312 | 16,979,767 | 99.95 | 9,141 | - | 16,969,312 | 10,455 | - | 1 | |
| FUND 9107 | T-BILL | | 912796TB5 | MERIL | 000000527493 | 2019-12-19 | 2020-01-16 | 1.490 | 1.492 | 50,000,000 | 99.884 | 49,942,056 | 49,942,056 | 49,972,827 | 99.95 | 26,903 | - | 49,942,056 | 30,771 | - | 1 | |
| FUND 9107 Total | | | | | | | | | | 152,550,000 | | 152,382,718 | 152,382,718 | 152,494,557 | | 106,032 | - | 152,382,718 | 111,839 | - | | |
| FUND 9501 | T-BILL | | 912796TA7 | DAIWA | 000000527620 | 2019-10-10 | 2020-01-09 | 1.645 | 1.652 | 621,000 | 99.584 | 618,418 | 618,418 | 620,835 | 99.97 | 2,355 | - | 618,418 | 2,417 | - | 1 | |
| FUND 9501 | T-BILL | | 912796TA7 | DAIWA | 000000527594 | 2019-11-05 | 2020-01-09 | 1.495 | 1.499 | 25,000 | 99.730 | 24,933 | 24,933 | 24,993 | 99.97 | 59 | - | 24,933 | 61 | - | 1 | |
| FUND 9501 | T-BILL | | 912796TK5 | DAIWA | 000000527205 | 2019-12-03 | 2020-03-12 | 1.520 | 1.526 | 576,000 | 99.578 | 573,568 | 573,568 | 574,318 | 99.71 | 705 | - | 573,568 | 750 | - | 1 | |
| FUND 9501 Total | | | | | | | | | | 1,222,000 | | 1,216,918 | 1,216,918 | 1,220,147 | | 3,120 | - | 1,216,918 | 3,229 | - | | |
| FUND 9502 | T-BILL | | 912796RT8 | DAIWA | 000000527216 | 2019-11-21 | 2020-01-02 | 1.520 | 1.523 | 14,870,000 | 99.823 | 14,843,631 | 14,843,631 | 14,868,895 | 99.99 | 25,742 | - | 14,843,631 | 25,264 | - | 1 | |
| FUND 9502 | T-BILL | | 912796RT8 | DAIWA | 000000527206 | 2019-12-03 | 2020-01-02 | 1.490 | 1.492 | 7,201,000 | 99.876 | 7,192,059 | 7,192,059 | 7,200,465 | 99.99 | 8,643 | - | 7 | | | | |

**Investment Inventory with Market Value
Summary by Fund**

As of: 12/31/2019

| Fund | Instrument | Cpty Ref | SecurityID | Broker | Deal ID | Purchase Date | Maturity Date | Rate | Yield | Sched Par | Price (% Par) | Original Settlement Amount | Sched Book Value | Market Value* | Bloomberg Market Price | Accrued Interest | Accrued (Prem)/Disc | Amortized Book Value | Unrealized Gain | Unrealized Loss | Fair Value Hierarchy Level FVHL |
|------------------------|------------|----------|------------|--------|-------------|---------------|---------------|-------|-------|----------------------|---------------|----------------------------|----------------------|----------------------|------------------------|------------------|---------------------|----------------------|------------------|--------------------|---------------------------------|
| FUND 9502 | T-BILL | | 912796RT8 | BOFAB | 00000527486 | 2019-12-18 | 2020-01-02 | 1.515 | 1.516 | 48,776,000 | 99.937 | 48,745,210 | 48,745,210 | 48,772,375 | 99.99 | 28,737 | - | 48,745,210 | 27,165 | - | 1 |
| FUND 9502 | T-NOTE-MID | | 912828X96 | DAIWA | 00000527028 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 45,913,000 | 99.973 | 45,900,446 | 45,900,446 | 45,897,756 | 99.97 | 88,925 | 3,242 | 45,903,688 | - | (5,932.21) | 1 |
| FUND 9502 Total | | | | | | | | | | 116,760,000 | | 116,681,345 | 116,681,345 | 116,739,490 | | 152,047 | 3,242 | 116,684,587 | 60,835 | (5,932.21) | |
| FUND 9503 | T-NOTE-MID | | 912828X96 | DAIWA | 00000527029 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 235,000 | 99.973 | 234,936 | 234,936 | 234,922 | 99.97 | 455 | 17 | 234,952 | - | (30.36) | 1 |
| FUND 9503 Total | | | | | | | | | | 235,000 | | 234,936 | 234,936 | 234,922 | | 455 | 17 | 234,952 | - | (30.36) | |
| FUND 9900 | COMM PAPER | SOCGEN | 83369BA89 | CANT | 00000527417 | 2019-12-16 | 2020-01-08 | 1.560 | 1.562 | 25,000,000 | 99.900 | 24,975,083 | 24,975,083 | 24,975,083 * | 0.00 | 17,333 | - | 24,975,083 | - | - | 2 |
| FUND 9900 | REPO INT | | | DAIWA | 00000527630 | 2019-12-31 | 2020-01-02 | 1.500 | 1.500 | 25,383,000 | 100.000 | 25,383,000 | 25,383,000 | 25,383,000 * | 0.00 | 1,058 | - | 25,383,000 | - | - | 1 |
| FUND 9900 | T-BILL | | 912796TB5 | BOFAB | 00000527480 | 2019-12-18 | 2020-01-16 | 1.490 | 1.492 | 50,000,000 | 99.880 | 49,939,986 | 49,939,986 | 49,972,827 | 99.95 | 28,972 | - | 49,939,986 | 32,840 | - | 1 |
| FUND 9900 | T-BILL | | 912796TB5 | MERIL | 00000527511 | 2019-12-19 | 2020-01-16 | 1.500 | 1.502 | 20,000,000 | 99.883 | 19,976,667 | 19,976,667 | 19,989,131 | 99.95 | 10,833 | - | 19,976,667 | 12,464 | - | 1 |
| FUND 9900 | T-BILL | | 912796TB5 | CANT | 00000527592 | 2019-12-26 | 2020-01-16 | 1.450 | 1.451 | 20,000,000 | 99.915 | 19,983,083 | 19,983,083 | 19,989,131 | 99.95 | 4,833 | - | 19,983,083 | 6,047 | - | 1 |
| FUND 9900 | T-BILL | | 912796WT2 | DAIWA | 00000527617 | 2019-12-30 | 2020-02-18 | 1.485 | 1.488 | 15,000,000 | 99.794 | 14,969,063 | 14,969,063 | 14,970,625 | 99.80 | 1,238 | - | 14,969,063 | 1,563 | - | 1 |
| FUND 9900 Total | | | | | | | | | | 155,383,000 | | 155,226,882 | 155,226,882 | 155,279,796 | | 64,267 | - | 155,226,882 | 52,914 | - | |
| FUND 9999 | T-BILL | | 912796RT8 | DAIWA | 00000527083 | 2019-11-21 | 2020-01-02 | 1.520 | 1.523 | 3,630,000 | 99.823 | 3,623,563 | 3,623,563 | 3,629,730 | 99.99 | 6,284 | - | 3,623,563 | 6,167 | - | 1 |
| FUND 9999 | T-NOTE-MID | | 912828X96 | DAIWA | 00000527030 | 2019-11-15 | 2020-05-15 | 1.500 | 1.555 | 636,000 | 99.973 | 635,826 | 635,826 | 635,789 | 99.97 | 1,232 | 45 | 635,871 | - | (82.19) | 1 |
| FUND 9999 | T-NOTE-MID | | 912828X96 | CANT | 00000527487 | 2019-12-18 | 2020-05-15 | 1.500 | 1.566 | 8,510,000 | 99.973 | 8,519,246 | 8,519,246 | 8,507,174 | 99.97 | 16,482 | 219 | 8,507,892 | - | (717.26) | 1 |
| FUND 9999 Total | | | | | | | | | | 12,776,000 | | 12,778,635 | 12,778,635 | 12,772,693 | | 23,998 | 264 | 12,767,326 | 6,167 | (799.45) | |
| Grand Total | | | | | | | | | | 5,367,800,072 | | 5,357,107,393 | 5,357,107,393 | 5,363,386,599 | | 7,302,703 | 1,118,382 | 5,357,707,455 | 5,773,235 | (94,090.37) | |

* If no Market Price, then Market Value = Book Value

**Transaction Report
Summary by Transaction Type**

From: 1/1/2019
To: 12/31/2019

| Transaction Type | No. of Trans. | Par | Book Value* | Prem/(Disc)* | Amort/(Accr) | Curr Purch Interest | (Interest) | (Gain) / Loss | Settlement |
|-------------------------|----------------------|------------------------|------------------------|---------------------|---------------------|----------------------------|--------------------|----------------------|------------------------|
| Amort/(Accr) | 224 | - | 15,540,074 | - | 15,540,074 | - | - | - | - |
| Final Sale | 104 | 4,181,889,000 | 4,174,204,667 | 9,769,384 | - | 1,456,537 | 6,819,031 | 166,859 | 4,181,088,685 |
| Interest | 3 | - | 125,199 | - | 250,394 | 342,541 | 157,459 | - | 500,000 |
| Matured | 3,474 | 126,174,676,894 | 126,132,794,826 | 342,541 | - | 27,562,140 | 94,943,861 | - | 126,227,738,686 |
| Partial Sale | 352 | 2,500,028,000 | 2,494,163,479 | 6,521,372 | - | 191,135 | 4,832,474 | 145,137 | 2,499,132,740 |
| Purchased | 3,593 | 133,928,840,000 | 133,878,035,032 | 116,796,955 | - | 29,900,373 | - | - | 133,878,035,032 |
| Grand Total | 7,750 | 266,785,433,894 | 266,694,863,277 | 133,430,253 | 15,790,468 | 59,452,726 | 106,752,825 | 311,997 | 266,786,495,145 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 523424 | BONY | 93 | RBC | 12/21/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.52 | 2.522 | 50,000,000 | 49,958,000 | - | - | 42,000 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523488 | BONY | 93 | DAIWA | 12/31/2018 | 1/2/2019 | 1/2/2019 | Matured | 3 | 3 | 203,446,000 | 203,446,000 | - | - | 33,908 | - | - | 203,479,908 |
| FUND 1000 | COMM PAPER | 523493 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/2/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523494 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/2/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523495 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/2/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |
| FUND 1000 | REPO INT | 523505 | BONY | 93 | DAIWA | 1/2/2019 | 1/3/2019 | 1/2/2019 | Purchased | 3 | 3 | 212,091,000 | 212,091,000 | - | - | - | - | - | 212,091,000 |
| FUND 1000 | COMM PAPER | 523401 | BONY | 93 | MERIL | 12/20/2018 | 1/3/2019 | 1/3/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523402 | BONY | 93 | MERIL | 12/20/2018 | 1/3/2019 | 1/3/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523403 | BONY | 93 | MERIL | 12/20/2018 | 1/3/2019 | 1/3/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523493 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/3/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523494 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/3/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523495 | BONY | 93 | MERIL | 1/2/2019 | 1/3/2019 | 1/3/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 523505 | BONY | 93 | DAIWA | 1/2/2019 | 1/3/2019 | 1/3/2019 | Matured | 3 | 3 | 212,091,000 | 212,091,000 | - | - | 17,674 | - | - | 212,108,674 |
| FUND 1000 | COMM PAPER | 523506 | BONY | 93 | RBC | 1/3/2019 | 1/4/2019 | 1/3/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523507 | BONY | 93 | RBC | 1/3/2019 | 1/4/2019 | 1/3/2019 | Purchased | 2.43 | 2.43 | 25,000,000 | 24,998,313 | 1,688 | - | - | - | - | 24,998,313 |
| FUND 1000 | COMM PAPER | 523508 | BONY | 93 | MERIL | 1/3/2019 | 1/14/2019 | 1/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,963,333 | 36,667 | - | - | - | - | 49,963,333 |
| FUND 1000 | COMM PAPER | 523509 | BONY | 93 | MERIL | 1/3/2019 | 1/14/2019 | 1/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,963,333 | 36,667 | - | - | - | - | 49,963,333 |
| FUND 1000 | COMM PAPER | 523510 | BONY | 93 | MERIL | 1/3/2019 | 1/16/2019 | 1/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,956,667 | 43,333 | - | - | - | - | 49,956,667 |
| FUND 1000 | COMM PAPER | 523511 | BONY | 93 | MERIL | 1/3/2019 | 1/16/2019 | 1/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,956,667 | 43,333 | - | - | - | - | 49,956,667 |
| FUND 1000 | REPO INT | 523515 | BONY | 93 | DAIWA | 1/3/2019 | 1/4/2019 | 1/3/2019 | Purchased | 2.5 | 2.5 | 206,622,000 | 206,622,000 | - | - | - | - | - | 206,622,000 |
| FUND 1000 | COMM PAPER | 523404 | BONY | 93 | RBC | 12/20/2018 | 1/4/2019 | 1/4/2019 | Matured | 2.395 | 2.397 | 50,000,000 | 49,950,104 | - | - | 49,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523405 | BONY | 93 | RBC | 12/20/2018 | 1/4/2019 | 1/4/2019 | Matured | 2.395 | 2.397 | 50,000,000 | 49,950,104 | - | - | 49,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523506 | BONY | 93 | RBC | 1/3/2019 | 1/4/2019 | 1/4/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523507 | BONY | 93 | RBC | 1/3/2019 | 1/4/2019 | 1/4/2019 | Matured | 2.43 | 2.43 | 25,000,000 | 24,998,313 | - | - | 1,688 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 523515 | BONY | 93 | DAIWA | 1/3/2019 | 1/4/2019 | 1/4/2019 | Matured | 2.5 | 2.5 | 206,622,000 | 206,622,000 | - | - | 14,349 | - | - | 206,636,349 |
| FUND 1000 | COMM PAPER | 523516 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523517 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523518 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523519 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523520 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523521 | BONY | 93 | RBC | 1/4/2019 | 1/11/2019 | 1/4/2019 | Purchased | 2.44 | 2.441 | 50,000,000 | 49,976,278 | 23,722 | - | - | - | - | 49,976,278 |
| FUND 1000 | REPO INT | 523525 | BONY | 93 | DAIWA | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.25 | 2.25 | 58,920,000 | 58,920,000 | - | - | - | - | - | 58,920,000 |
| FUND 1000 | COMM PAPER | 523486 | BONY | 93 | RBC | 12/31/2018 | 1/7/2019 | 1/7/2019 | Matured | 2.47 | 2.471 | 30,000,000 | 29,985,592 | - | - | 14,408 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 523487 | BONY | 93 | RBC | 12/31/2018 | 1/7/2019 | 1/7/2019 | Matured | 2.47 | 2.471 | 50,000,000 | 49,975,986 | - | - | 24,014 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523516 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523517 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523518 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523519 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523520 | BONY | 93 | RBC | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523525 | BONY | 93 | DAIWA | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.25 | 2.25 | 58,920,000 | 58,920,000 | - | - | 11,048 | - | - | 58,931,048 |
| FUND 1000 | COMM PAPER | 523526 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523527 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523528 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523529 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 523530 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 523531 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 523532 | BONY | 93 | RBC | 1/7/2019 | 1/22/2019 | 1/7/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,949,583 | 50,417 | - | - | - | - | 49,949,583 |
| FUND 1000 | REPO INT | 523535 | BONY | 93 | DAIWA | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.25 | 2.25 | 20,909,000 | 20,909,000 | - | - | - | - | - | 20,909,000 |
| FUND 1000 | COMM PAPER | 523485 | BONY | 93 | RBC | 12/31/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.47 | 2.471 | 40,000,000 | 39,978,044 | - | - | 21,956 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 523526 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523527 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523528 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523529 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523530 | BONY | 93 | RBC | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523531 | BONY | 93 RBC | | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523535 | BONY | 93 DAIWA | | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.25 | 2.25 | 20,909,000 | 20,909,000 | - | - | 1,307 | - | - | 20,910,307 |
| FUND 1000 | COMM PAPER | 523538 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523539 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523540 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523543 | BONY | 93 RBC | | 1/8/2019 | 1/22/2019 | 1/8/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,952,944 | 47,056 | - | - | - | - | 49,952,944 |
| FUND 1000 | COMM PAPER | 523544 | BONY | 93 MERIL | | 1/8/2019 | 1/15/2019 | 1/8/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 523545 | BONY | 93 MERIL | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,997,378 | 2,622 | - | - | - | - | 39,997,378 |
| FUND 1000 | COMM PAPER | 523546 | BONY | 93 MERIL | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | REPO INT | 523547 | BONY | 93 DAIWA | | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.25 | 2.25 | 47,317,000 | 47,317,000 | - | - | - | - | - | 47,317,000 |
| FUND 1000 | COMM PAPER | 523538 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523539 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523540 | BONY | 93 RBC | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523545 | BONY | 93 MERIL | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,997,378 | - | - | 2,622 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 523546 | BONY | 93 MERIL | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523547 | BONY | 93 DAIWA | | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.25 | 2.25 | 47,317,000 | 47,317,000 | - | - | 2,957 | - | - | 47,319,957 |
| FUND 1000 | COMM PAPER | 523552 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523553 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523554 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523555 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523556 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523557 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523558 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |
| FUND 1000 | COMM PAPER | 523559 | BONY | 93 MERIL | | 1/9/2019 | 1/23/2019 | 1/9/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,952,944 | 47,056 | - | - | - | - | 49,952,944 |
| FUND 1000 | COMM PAPER | 523560 | BONY | 93 MERIL | | 1/9/2019 | 1/23/2019 | 1/9/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,952,944 | 47,056 | - | - | - | - | 49,952,944 |
| FUND 1000 | COMM PAPER | 523561 | BONY | 93 MERIL | | 1/9/2019 | 1/30/2019 | 1/9/2019 | Purchased | 2.44 | 2.443 | 50,000,000 | 49,928,833 | 71,167 | - | - | - | - | 49,928,833 |
| FUND 1000 | COMM PAPER | 523562 | BONY | 93 MERIL | | 1/9/2019 | 1/30/2019 | 1/9/2019 | Purchased | 2.44 | 2.443 | 50,000,000 | 49,928,833 | 71,167 | - | - | - | - | 49,928,833 |
| FUND 1000 | REPO INT | 523571 | BONY | 93 DAIWA | | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.25 | 2.25 | 23,096,000 | 23,096,000 | - | - | - | - | - | 23,096,000 |
| FUND 1000 | COMM PAPER | 523431 | BONY | 93 MERIL | | 12/24/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.43 | 2.433 | 50,000,000 | 49,942,625 | - | - | 57,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523432 | BONY | 93 MERIL | | 12/24/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.43 | 2.433 | 50,000,000 | 49,942,625 | - | - | 57,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523433 | BONY | 93 MERIL | | 12/24/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.43 | 2.433 | 50,000,000 | 49,942,625 | - | - | 57,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523552 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523553 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523554 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523555 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523556 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523557 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523558 | BONY | 93 RBC | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 523571 | BONY | 93 DAIWA | | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.25 | 2.25 | 23,096,000 | 23,096,000 | - | - | 1,444 | - | - | 23,097,444 |
| FUND 1000 | COMM PAPER | 523582 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523583 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523584 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523585 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523586 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523587 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523588 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.36 | 2.36 | 15,000,000 | 14,999,017 | 983 | - | - | - | - | 14,999,017 |
| FUND 1000 | COMM PAPER | 523589 | BONY | 93 MERIL | | 1/10/2019 | 1/24/2019 | 1/10/2019 | Purchased | 2.38 | 2.382 | 50,000,000 | 49,953,722 | 46,278 | - | - | - | - | 49,953,722 |
| FUND 1000 | COMM PAPER | 523590 | BONY | 93 MERIL | | 1/10/2019 | 1/24/2019 | 1/10/2019 | Purchased | 2.38 | 2.382 | 50,000,000 | 49,953,722 | 46,278 | - | - | - | - | 49,953,722 |
| FUND 1000 | REPO INT | 523594 | BONY | 93 DAIWA | | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.25 | 2.25 | 10,765,000 | 10,765,000 | - | - | - | - | - | 10,765,000 |
| FUND 1000 | COMM PAPER | 523521 | BONY | 93 RBC | | 1/4/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.44 | 2.441 | 50,000,000 | 49,976,278 | - | - | 23,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523582 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523583 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523584 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523585 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523586 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523587 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523588 | BONY | 93 RBC | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.36 | 2.36 | 15,000,000 | 14,999,017 | - | - | 983 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 523594 | BONY | 93 DAIWA | | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.25 | 2.25 | 10,765,000 | 10,765,000 | - | - | 673 | - | - | 10,765,673 |
| FUND 1000 | COMM PAPER | 523595 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523596 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523597 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523598 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523599 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | REPO INT | 523602 | BONY | 93 DAIWA | | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.25 | 2.25 | 32,563,000 | 32,563,000 | - | - | - | - | - | 32,563,000 |
| FUND 1000 | COMM PAPER | 523508 | BONY | 93 MERIL | | 1/3/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,963,333 | - | - | 36,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523509 | BONY | 93 MERIL | | 1/3/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,963,333 | - | - | 36,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523595 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523596 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523597 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523598 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523599 | BONY | 93 RBC | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523602 | BONY | 93 DAIWA | | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.25 | 2.25 | 32,563,000 | 32,563,000 | - | - | 6,106 | - | - | 32,569,106 |
| FUND 1000 | COMM PAPER | 523604 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523605 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523606 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523607 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523608 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523609 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.36 | 2.36 | 10,000,000 | 9,999,344 | 656 | - | - | - | - | 9,999,344 |
| FUND 1000 | COMM PAPER | 523610 | BONY | 93 MERIL | | 1/14/2019 | 2/4/2019 | 1/14/2019 | Purchased | 2.39 | 2.393 | 50,000,000 | 49,930,292 | 69,708 | - | - | - | - | 49,930,292 |
| FUND 1000 | COMM PAPER | 523611 | BONY | 93 MERIL | | 1/14/2019 | 2/4/2019 | 1/14/2019 | Purchased | 2.39 | 2.393 | 50,000,000 | 49,930,292 | 69,708 | - | - | - | - | 49,930,292 |
| FUND 1000 | REPO INT | 523615 | BONY | 93 DAIWA | | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.25 | 2.25 | 33,684,000 | 33,684,000 | - | - | - | - | - | 33,684,000 |
| FUND 1000 | COMM PAPER | 523544 | BONY | 93 MERIL | | 1/8/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523604 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523605 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523606 | BONY | 93 RBC | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523607 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523608 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523609 | BONY | 93 MERIL | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.36 | 2.36 | 10,000,000 | 9,999,344 | - | - | 656 | - | - | 10,000,000 |
| FUND 1000 | REPO INT | 523615 | BONY | 93 DAIWA | | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.25 | 2.25 | 33,684,000 | 33,684,000 | - | - | 2,105 | - | - | 33,686,105 |
| FUND 1000 | T-BILL | 523617 | BONY | 93 DAIWA | | 1/15/2019 | 2/5/2019 | 1/15/2019 | Purchased | 2.35 | 2.353 | 50,000,000 | 49,931,458 | 68,542 | - | - | - | - | 49,931,458 |
| FUND 1000 | COMM PAPER | 523618 | BONY | 93 MERIL | | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523619 | BONY | 93 MERIL | | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | T-BILL | 523620 | BONY | 93 DAIWA | | 1/15/2019 | 2/5/2019 | 1/15/2019 | Purchased | 2.35 | 2.353 | 50,000,000 | 49,931,458 | 68,542 | - | - | - | - | 49,931,458 |
| FUND 1000 | T-BILL | 523621 | BONY | 93 DAIWA | | 1/15/2019 | 2/5/2019 | 1/15/2019 | Purchased | 2.35 | 2.353 | 50,000,000 | 49,931,458 | 68,542 | - | - | - | - | 49,931,458 |
| FUND 1000 | T-BILL | 523622 | BONY | 93 DAIWA | | 1/15/2019 | 2/5/2019 | 1/15/2019 | Purchased | 2.35 | 2.353 | 50,000,000 | 49,931,458 | 68,542 | - | - | - | - | 49,931,458 |
| FUND 1000 | T-BILL | 523623 | BONY | 93 DAIWA | | 1/15/2019 | 2/26/2019 | 1/15/2019 | Purchased | 2.355 | 2.361 | 50,000,000 | 49,862,625 | 137,375 | - | - | - | - | 49,862,625 |
| FUND 1000 | T-BILL | 523624 | BONY | 93 DAIWA | | 1/15/2019 | 2/26/2019 | 1/15/2019 | Purchased | 2.355 | 2.361 | 50,000,000 | 49,862,625 | 137,375 | - | - | - | - | 49,862,625 |
| FUND 1000 | T-BILL | 523625 | BONY | 93 DAIWA | | 1/15/2019 | 2/26/2019 | 1/15/2019 | Purchased | 2.355 | 2.361 | 50,000,000 | 49,862,625 | 137,375 | - | - | - | - | 49,862,625 |
| FUND 1000 | T-BILL | 523626 | BONY | 93 DAIWA | | 1/15/2019 | 2/26/2019 | 1/15/2019 | Purchased | 2.355 | 2.361 | 50,000,000 | 49,862,625 | 137,375 | - | - | - | - | 49,862,625 |
| FUND 1000 | T-BILL | 523627 | BONY | 93 DAIWA | | 1/15/2019 | 3/12/2019 | 1/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,814,889 | 185,111 | - | - | - | - | 49,814,889 |
| FUND 1000 | T-BILL | 523628 | BONY | 93 DAIWA | | 1/15/2019 | 3/12/2019 | 1/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,814,889 | 185,111 | - | - | - | - | 49,814,889 |
| FUND 1000 | T-BILL | 523629 | BONY | 93 DAIWA | | 1/15/2019 | 3/12/2019 | 1/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,814,889 | 185,111 | - | - | - | - | 49,814,889 |
| FUND 1000 | T-BILL | 523630 | BONY | 93 DAIWA | | 1/15/2019 | 3/12/2019 | 1/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,814,889 | 185,111 | - | - | - | - | 49,814,889 |
| FUND 1000 | T-BILL | 523631 | BONY | 93 DAIWA | | 1/15/2019 | 5/9/2019 | 1/15/2019 | Purchased | 2.395 | 2.413 | 50,000,000 | 49,620,792 | 379,208 | - | - | - | - | 49,620,792 |
| FUND 1000 | T-BILL | 523632 | BONY | 93 DAIWA | | 1/15/2019 | 5/9/2019 | 1/15/2019 | Purchased | 2.395 | 2.413 | 50,000,000 | 49,620,792 | 379,208 | - | - | - | - | 49,620,792 |
| FUND 1000 | COMM PAPER | 523633 | BONY | 93 MERIL | | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523634 | BONY | 93 MERIL | | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | REPO INT | 523644 | BONY | 93 DAIWA | | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.25 | 2.25 | 32,893,000 | 32,893,000 | - | - | - | - | - | 32,893,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523510 | BONY | 93 | MERIL | 1/3/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,956,667 | - | - | 43,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523511 | BONY | 93 | MERIL | 1/3/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,956,667 | - | - | 43,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523618 | BONY | 93 | MERIL | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523619 | BONY | 93 | MERIL | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523633 | BONY | 93 | MERIL | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523634 | BONY | 93 | MERIL | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523644 | BONY | 93 | DAIWA | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.25 | 2.25 | 32,893,000 | 32,893,000 | - | - | 2,056 | - | - | 32,895,056 |
| FUND 1000 | COMM PAPER | 523645 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523646 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523647 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523648 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523649 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.36 | 2.36 | 35,000,000 | 34,997,706 | 2,294 | - | - | - | - | 34,997,706 |
| FUND 1000 | COMM PAPER | 523650 | BONY | 93 | RBC | 1/16/2019 | 1/28/2019 | 1/16/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,960,000 | 40,000 | - | - | - | - | 49,960,000 |
| FUND 1000 | REPO INT | 523654 | BONY | 93 | DAIWA | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.25 | 2.25 | 26,416,000 | 26,416,000 | - | - | - | - | - | 26,416,000 |
| FUND 1000 | COMM PAPER | 523645 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523646 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523647 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523648 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523649 | BONY | 93 | RBC | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.36 | 2.36 | 35,000,000 | 34,997,706 | - | - | 2,294 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 523654 | BONY | 93 | DAIWA | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.25 | 2.25 | 26,416,000 | 26,416,000 | - | - | 1,651 | - | - | 26,417,651 |
| FUND 1000 | COMM PAPER | 523665 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523666 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523667 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523668 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523669 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523670 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.37 | 2.37 | 40,000,000 | 39,997,367 | 2,633 | - | - | - | - | 39,997,367 |
| FUND 1000 | REPO INT | 523672 | BONY | 93 | DAIWA | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.25 | 2.25 | 7,619,000 | 7,619,000 | - | - | - | - | - | 7,619,000 |
| FUND 1000 | COMM PAPER | 523665 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523666 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523667 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523668 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523669 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523670 | BONY | 93 | RBC | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.37 | 2.37 | 40,000,000 | 39,997,367 | - | - | 2,633 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 523672 | BONY | 93 | DAIWA | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.25 | 2.25 | 7,619,000 | 7,619,000 | - | - | 476 | - | - | 7,619,476 |
| FUND 1000 | REPO INT | 523685 | BONY | 93 | DAIWA | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.25 | 2.25 | 30,724,000 | 30,724,000 | - | - | - | - | - | 30,724,000 |
| FUND 1000 | COMM PAPER | 523686 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.43 | 2.431 | 50,000,000 | 49,986,500 | 13,500 | - | - | - | - | 49,986,500 |
| FUND 1000 | COMM PAPER | 523687 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.43 | 2.431 | 50,000,000 | 49,986,500 | 13,500 | - | - | - | - | 49,986,500 |
| FUND 1000 | COMM PAPER | 523688 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.43 | 2.431 | 50,000,000 | 49,986,500 | 13,500 | - | - | - | - | 49,986,500 |
| FUND 1000 | COMM PAPER | 523689 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,986,889 | 13,111 | - | - | - | - | 49,986,889 |
| FUND 1000 | COMM PAPER | 523690 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.36 | 2.361 | 30,000,000 | 29,992,133 | 7,867 | - | - | - | - | 29,992,133 |
| FUND 1000 | COMM PAPER | 523532 | BONY | 93 | RBC | 1/7/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,949,583 | - | - | 50,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523543 | BONY | 93 | RBC | 1/8/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,952,944 | - | - | 47,056 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523685 | BONY | 93 | DAIWA | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.25 | 2.25 | 30,724,000 | 30,724,000 | - | - | 7,681 | - | - | 30,731,681 |
| FUND 1000 | COMM PAPER | 523686 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.43 | 2.431 | 50,000,000 | 49,986,500 | - | - | 13,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523687 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.43 | 2.431 | 50,000,000 | 49,986,500 | - | - | 13,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523688 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.43 | 2.431 | 50,000,000 | 49,986,500 | - | - | 13,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523689 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,986,889 | - | - | 13,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523690 | BONY | 93 | RBC | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.36 | 2.361 | 30,000,000 | 29,992,133 | - | - | 7,867 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 523695 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523696 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523697 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523698 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523699 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | COMM PAPER | 523700 | BONY | 93 | MERIL | 1/22/2019 | 1/29/2019 | 1/22/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523701 | BONY | 93 | MERIL | 1/22/2019 | 1/29/2019 | 1/22/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | REPO INT | 523715 | BONY | 93 | DAIWA | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.25 | 2.25 | 33,115,000 | 33,115,000 | - | - | - | - | - | 33,115,000 |
| FUND 1000 | COMM PAPER | 523559 | BONY | 93 | MERIL | 1/9/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,952,944 | - | - | 47,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523560 | BONY | 93 | MERIL | 1/9/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,952,944 | - | - | 47,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523695 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523696 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523697 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523698 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523699 | BONY | 93 | RBC | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 523715 | BONY | 93 | DAIWA | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.25 | 2.25 | 33,115,000 | 33,115,000 | - | - | 2,070 | - | - | 33,117,070 |
| FUND 1000 | COMM PAPER | 523716 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523717 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523718 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523719 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523720 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523721 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |
| FUND 1000 | COMM PAPER | 523722 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | REPO INT | 523723 | BONY | 93 | DAIWA | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.25 | 2.25 | 24,664,000 | 24,664,000 | - | - | - | - | - | 24,664,000 |
| FUND 1000 | COMM PAPER | 523589 | BONY | 93 | MERIL | 1/10/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.38 | 2.382 | 50,000,000 | 49,953,722 | - | - | 46,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523590 | BONY | 93 | MERIL | 1/10/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.38 | 2.382 | 50,000,000 | 49,953,722 | - | - | 46,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523716 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523717 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523718 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523719 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523720 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523721 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 523722 | BONY | 93 | RBC | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523723 | BONY | 93 | DAIWA | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.25 | 2.25 | 24,664,000 | 24,664,000 | - | - | 1,542 | - | - | 24,665,542 |
| FUND 1000 | COMM PAPER | 523727 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523728 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523729 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 523730 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523731 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523732 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523733 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | REPO INT | 523739 | BONY | 93 | DAIWA | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.25 | 2.25 | 11,154,000 | 11,154,000 | - | - | - | - | - | 11,154,000 |
| FUND 1000 | COMM PAPER | 523727 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523728 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523729 | BONY | 93 | RBC | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523730 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523731 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523732 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523733 | BONY | 93 | MERIL | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 523739 | BONY | 93 | DAIWA | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.25 | 2.25 | 11,154,000 | 11,154,000 | - | - | 697 | - | - | 11,154,697 |
| FUND 1000 | COMM PAPER | 523742 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523743 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523744 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523745 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 523746 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.36 | 2.36 | 30,000,000 | 29,994,100 | 5,900 | - | - | - | - | 29,994,100 |
| FUND 1000 | REPO INT | 523749 | BONY | 93 | DAIWA | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.25 | 2.25 | 18,619,000 | 18,619,000 | - | - | - | - | - | 18,619,000 |
| FUND 1000 | COMM PAPER | 523650 | BONY | 93 | RBC | 1/16/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,960,000 | - | - | 40,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523742 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523743 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523744 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523745 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523746 | BONY | 93 | MERIL | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.36 | 2.36 | 30,000,000 | 29,994,100 | - | - | 5,900 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 523749 | BONY | 93 | DAIWA | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.25 | 2.25 | 18,619,000 | 18,619,000 | - | - | 3,491 | - | - | 18,622,491 |
| FUND 1000 | COMM PAPER | 523752 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523753 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523754 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523756 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523757 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523758 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | REPO INT | 523760 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.25 | 2.25 | 46,383,000 | 46,383,000 | - | - | - | - | - | 46,383,000 |
| FUND 1000 | COMM PAPER | 523700 | BONY | 93 | MERIL | 1/22/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523701 | BONY | 93 | MERIL | 1/22/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523752 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523753 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523754 | BONY | 93 | RBC | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523756 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523757 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523758 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523760 | BONY | 93 | DAIWA | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.25 | 2.25 | 46,383,000 | 46,383,000 | - | - | 2,899 | - | - | 46,385,899 |
| FUND 1000 | COMM PAPER | 523765 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523766 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,997,378 | 2,622 | - | - | - | - | 39,997,378 |
| FUND 1000 | COMM PAPER | 523767 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523768 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523769 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | REPO INT | 523782 | BONY | 93 | DAIWA | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.25 | 2.25 | 46,960,000 | 46,960,000 | - | - | - | - | - | 46,960,000 |
| FUND 1000 | FHLB NOTES | 523369 | BONY | 93 | DAIWA | 12/19/2018 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.367 | 50,000,000 | 49,862,333 | - | - | 137,667 | - | - | 50,000,000 |
| FUND 1000 | FHLB NOTES | 523370 | BONY | 93 | DAIWA | 12/19/2018 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.367 | 50,000,000 | 49,862,333 | - | - | 137,667 | - | - | 50,000,000 |
| FUND 1000 | FHLB NOTES | 523371 | BONY | 93 | RBC | 12/19/2018 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.367 | 50,000,000 | 49,862,333 | - | - | 137,667 | - | - | 50,000,000 |
| FUND 1000 | FHLB NOTES | 523372 | BONY | 93 | RBC | 12/19/2018 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.367 | 50,000,000 | 49,862,333 | - | - | 137,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523561 | BONY | 93 | MERIL | 1/9/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.44 | 2.443 | 50,000,000 | 49,928,833 | - | - | 71,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523562 | BONY | 93 | MERIL | 1/9/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.44 | 2.443 | 50,000,000 | 49,928,833 | - | - | 71,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523765 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523766 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,997,378 | - | - | 2,622 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 523767 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523768 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523769 | BONY | 93 | RBC | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523782 | BONY | 93 | DAIWA | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.25 | 2.25 | 46,960,000 | 46,960,000 | - | - | 2,935 | - | - | 46,962,935 |
| FUND 1000 | COMM PAPER | 523786 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 1/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,993,278 | 6,722 | - | - | - | - | 49,993,278 |
| FUND 1000 | COMM PAPER | 523787 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 1/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,993,278 | 6,722 | - | - | - | - | 49,993,278 |
| FUND 1000 | COMM PAPER | 523788 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 1/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,993,278 | 6,722 | - | - | - | - | 49,993,278 |
| FUND 1000 | COMM PAPER | 523789 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 1/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,993,278 | 6,722 | - | - | - | - | 49,993,278 |
| FUND 1000 | COMM PAPER | 523790 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523791 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523792 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523793 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | COMM PAPER | 523794 | BONY | 93 | RBC | 1/30/2019 | 2/13/2019 | 1/30/2019 | Purchased | 2.425 | 2.427 | 50,000,000 | 49,952,847 | 47,153 | - | - | - | - | 49,952,847 |
| FUND 1000 | COMM PAPER | 523795 | BONY | 93 | RBC | 1/30/2019 | 2/13/2019 | 1/30/2019 | Purchased | 2.425 | 2.427 | 50,000,000 | 49,952,847 | 47,153 | - | - | - | - | 49,952,847 |
| FUND 1000 | COMM PAPER | 523796 | BONY | 93 | RBC | 1/30/2019 | 2/13/2019 | 1/30/2019 | Purchased | 2.425 | 2.427 | 50,000,000 | 49,952,847 | 47,153 | - | - | - | - | 49,952,847 |
| FUND 1000 | COMM PAPER | 523797 | BONY | 93 | RBC | 1/30/2019 | 2/13/2019 | 1/30/2019 | Purchased | 2.37 | 2.372 | 50,000,000 | 49,953,917 | 46,083 | - | - | - | - | 49,953,917 |
| FUND 1000 | COMM PAPER | 523798 | BONY | 93 | MERIL | 1/30/2019 | 2/13/2019 | 1/30/2019 | Purchased | 2.39 | 2.392 | 50,000,000 | 49,953,528 | 46,472 | - | - | - | - | 49,953,528 |
| FUND 1000 | REPO INT | 523800 | BONY | 93 | DAIWA | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.25 | 2.25 | 49,251,000 | 49,251,000 | - | - | - | - | - | 49,251,000 |
| FUND 1000 | T-BILL | 521709 | CHASE | 29 | RBC | 7/12/2018 | 1/31/2019 | 1/31/2019 | Matured | 2.04 | 2.064 | 28,225,000 | 27,900,318 | - | - | 324,682 | - | - | 28,225,000 |
| FUND 1000 | COMM PAPER | 523790 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523791 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523792 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523793 | BONY | 93 | MERIL | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 523800 | BONY | 93 | DAIWA | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.25 | 2.25 | 49,251,000 | 49,251,000 | - | - | 3,078 | - | - | 49,254,078 |
| FUND 1000 | T-BILL | 523801 | CHASE | 29 | DAIWA | 1/31/2019 | 1/30/2020 | 1/31/2019 | Purchased | 2.49 | 2.554 | 28,225,000 | 27,514,389 | 710,611 | - | - | - | - | 27,514,389 |
| FUND 1000 | COMM PAPER | 523802 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523803 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523804 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523805 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,997,378 | 2,622 | - | - | - | - | 39,997,378 |
| FUND 1000 | REPO INT | 523808 | BONY | 93 | DAIWA | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.25 | 2.25 | 21,458,000 | 21,458,000 | - | - | - | - | - | 21,458,000 |
| FUND 1000 | REPO INT | 523809 | BONY | 93 | DAIWA | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.25 | 2.25 | 1,052,000 | 1,052,000 | - | - | - | - | - | 1,052,000 |
| FUND 1000 | COMM PAPER | 523786 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,993,278 | - | - | 6,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523787 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,993,278 | - | - | 6,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523788 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,993,278 | - | - | 6,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523789 | BONY | 93 | RBC | 1/30/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,993,278 | - | - | 6,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523802 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523803 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523804 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523805 | BONY | 93 | MERIL | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,997,378 | - | - | 2,622 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 523808 | BONY | 93 | DAIWA | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.25 | 2.25 | 21,458,000 | 21,458,000 | - | - | 1,341 | - | - | 21,459,341 |
| FUND 1000 | REPO INT | 523809 | BONY | 93 | DAIWA | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.25 | 2.25 | 1,052,000 | 1,052,000 | - | - | 66 | - | - | 1,052,066 |
| FUND 1000 | COMM PAPER | 523813 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523814 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523815 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523816 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.42 | 2.42 | 40,000,000 | 39,991,933 | 8,067 | - | - | - | - | 39,991,933 |
| FUND 1000 | COMM PAPER | 523817 | BONY | 93 | MERIL | 2/1/2019 | 2/8/2019 | 2/1/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 523818 | BONY | 93 | MERIL | 2/1/2019 | 2/8/2019 | 2/1/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 523823 | BONY | 93 | DAIWA | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.3 | 2.3 | 15,344,000 | 15,344,000 | - | - | - | - | - | 15,344,000 |
| FUND 1000 | COMM PAPER | 523610 | BONY | 93 | MERIL | 1/14/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.39 | 2.393 | 50,000,000 | 49,930,292 | - | - | 69,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523611 | BONY | 93 | MERIL | 1/14/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.39 | 2.393 | 50,000,000 | 49,930,292 | - | - | 69,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523813 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523814 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523815 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523816 | BONY | 93 | RBC | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.42 | 2.42 | 40,000,000 | 39,991,933 | - | - | 8,067 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 523823 | BONY | 93 | DAIWA | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.3 | 2.3 | 15,344,000 | 15,344,000 | - | - | 2,941 | - | - | 15,346,941 |
| FUND 1000 | COMM PAPER | 523825 | BONY | 93 | RBC | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523826 | BONY | 93 | RBC | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523827 | BONY | 93 | MERIL | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523828 | BONY | 93 | MERIL | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.36 | 2.36 | 30,000,000 | 29,998,033 | 1,967 | - | - | - | - | 29,998,033 |
| FUND 1000 | COMM PAPER | 523829 | BONY | 93 | RBC | 2/4/2019 | 2/11/2019 | 2/4/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | COMM PAPER | 523830 | BONY | 93 | RBC | 2/4/2019 | 2/11/2019 | 2/4/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | REPO INT | 523833 | BONY | 93 | DAIWA | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.25 | 2.25 | 30,238,000 | 30,238,000 | - | - | - | - | - | 30,238,000 |
| FUND 1000 | T-BILL | 523617 | BONY | 93 | DAIWA | 1/15/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.35 | 2.353 | 50,000,000 | 49,931,458 | - | - | 68,542 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523620 | BONY | 93 | DAIWA | 1/15/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.35 | 2.353 | 50,000,000 | 49,931,458 | - | - | 68,542 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523621 | BONY | 93 | DAIWA | 1/15/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.35 | 2.353 | 50,000,000 | 49,931,458 | - | - | 68,542 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523622 | BONY | 93 | DAIWA | 1/15/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.35 | 2.353 | 50,000,000 | 49,931,458 | - | - | 68,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523825 | BONY | 93 | RBC | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523826 | BONY | 93 | RBC | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523827 | BONY | 93 | MERIL | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523828 | BONY | 93 | MERIL | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.36 | 2.36 | 30,000,000 | 29,998,033 | - | - | 1,967 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 523833 | BONY | 93 | DAIWA | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.25 | 2.25 | 30,238,000 | 30,238,000 | - | - | 1,890 | - | - | 30,239,890 |
| FUND 1000 | COMM PAPER | 523847 | BONY | 93 | RBC | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523848 | BONY | 93 | RBC | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523849 | BONY | 93 | RBC | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523850 | BONY | 93 | RBC | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523851 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523852 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.36 | 2.36 | 35,000,000 | 34,997,706 | 2,294 | - | - | - | - | 34,997,706 |
| FUND 1000 | COMM PAPER | 523853 | BONY | 93 RBC | | 2/5/2019 | 2/12/2019 | 2/5/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | COMM PAPER | 523854 | BONY | 93 RBC | | 2/5/2019 | 2/12/2019 | 2/5/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | REPO INT | 523857 | BONY | 93 DAIWA | | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.25 | 2.25 | 30,323,000 | 30,323,000 | - | - | - | - | - | 30,323,000 |
| FUND 1000 | COMM PAPER | 523847 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523848 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523849 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523850 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523851 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523852 | BONY | 93 RBC | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.36 | 2.36 | 35,000,000 | 34,997,706 | - | - | 2,294 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 523857 | BONY | 93 DAIWA | | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.25 | 2.25 | 30,323,000 | 30,323,000 | - | - | 1,895 | - | - | 30,324,895 |
| FUND 1000 | COMM PAPER | 523887 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523888 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523889 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523890 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.42 | 2.42 | 40,000,000 | 39,997,311 | 2,689 | - | - | - | - | 39,997,311 |
| FUND 1000 | COMM PAPER | 523891 | BONY | 93 MERIL | | 2/6/2019 | 2/20/2019 | 2/6/2019 | Purchased | 2.38 | 2.382 | 50,000,000 | 49,953,722 | 46,278 | - | - | - | - | 49,953,722 |
| FUND 1000 | COMM PAPER | 523892 | BONY | 93 MERIL | | 2/6/2019 | 2/20/2019 | 2/6/2019 | Purchased | 2.38 | 2.382 | 50,000,000 | 49,953,722 | 46,278 | - | - | - | - | 49,953,722 |
| FUND 1000 | REPO INT | 523896 | BONY | 93 DAIWA | | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.25 | 2.25 | 17,432,000 | 17,432,000 | - | - | - | - | - | 17,432,000 |
| FUND 1000 | COMM PAPER | 523887 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523888 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523889 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523890 | BONY | 93 RBC | | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.42 | 2.42 | 40,000,000 | 39,997,311 | - | - | 2,689 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 523896 | BONY | 93 DAIWA | | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.25 | 2.25 | 17,432,000 | 17,432,000 | - | - | 1,090 | - | - | 17,433,090 |
| FUND 1000 | COMM PAPER | 523912 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523913 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523914 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.42 | 2.42 | 35,000,000 | 34,997,647 | 2,353 | - | - | - | - | 34,997,647 |
| FUND 1000 | COMM PAPER | 523917 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | REPO INT | 523921 | BONY | 93 DAIWA | | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.25 | 2.25 | 8,579,000 | 8,579,000 | - | - | - | - | - | 8,579,000 |
| FUND 1000 | COMM PAPER | 523817 | BONY | 93 MERIL | | 2/1/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523818 | BONY | 93 MERIL | | 2/1/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523912 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523913 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523914 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.42 | 2.42 | 35,000,000 | 34,997,647 | - | - | 2,353 | - | - | 35,000,000 |
| FUND 1000 | COMM PAPER | 523917 | BONY | 93 RBC | | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523921 | BONY | 93 DAIWA | | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.25 | 2.25 | 8,579,000 | 8,579,000 | - | - | 536 | - | - | 8,579,536 |
| FUND 1000 | COMM PAPER | 523923 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523924 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523925 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 523926 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.42 | 2.42 | 25,000,000 | 24,994,958 | 5,042 | - | - | - | - | 24,994,958 |
| FUND 1000 | REPO INT | 523928 | BONY | 93 DAIWA | | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.25 | 2.25 | 27,278,000 | 27,278,000 | - | - | - | - | - | 27,278,000 |
| FUND 1000 | COMM PAPER | 523829 | BONY | 93 RBC | | 2/4/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523830 | BONY | 93 RBC | | 2/4/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523923 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523924 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523925 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523926 | BONY | 93 RBC | | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.42 | 2.42 | 25,000,000 | 24,994,958 | - | - | 5,042 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 523928 | BONY | 93 DAIWA | | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.25 | 2.25 | 27,278,000 | 27,278,000 | - | - | 5,115 | - | - | 27,283,115 |
| FUND 1000 | COMM PAPER | 523944 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523945 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523946 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523947 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523948 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523949 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523950 | BONY | 93 RBC | | 2/11/2019 | 3/4/2019 | 2/11/2019 | Purchased | 2.412 | 2.416 | 50,000,000 | 49,929,635 | 70,365 | - | - | - | - | 49,929,635 |
| FUND 1000 | COMM PAPER | 523951 | BONY | 93 RBC | | 2/11/2019 | 3/4/2019 | 2/11/2019 | Purchased | 2.412 | 2.416 | 50,000,000 | 49,929,635 | 70,365 | - | - | - | - | 49,929,635 |
| FUND 1000 | REPO INT | 523956 | BONY | 93 DAIWA | | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.25 | 2.25 | 34,573,000 | 34,573,000 | - | - | - | - | - | 34,573,000 |
| FUND 1000 | COMM PAPER | 523853 | BONY | 93 RBC | | 2/5/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523854 | BONY | 93 RBC | | 2/5/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523944 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523945 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523946 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523947 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523948 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523949 | BONY | 93 RBC | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 523956 | BONY | 93 DAIWA | | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.25 | 2.25 | 34,573,000 | 34,573,000 | - | - | 2,161 | - | - | 34,575,161 |
| FUND 1000 | COMM PAPER | 523960 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523961 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523962 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523963 | BONY | 93 MERIL | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523964 | BONY | 93 MERIL | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.36 | 2.36 | 30,000,000 | 29,998,033 | 1,967 | - | - | - | - | 29,998,033 |
| FUND 1000 | COMM PAPER | 523965 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/12/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 523966 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/12/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 523967 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/12/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 523972 | BONY | 93 DAIWA | | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.25 | 2.25 | 31,809,000 | 31,809,000 | - | - | - | - | - | 31,809,000 |
| FUND 1000 | COMM PAPER | 523794 | BONY | 93 RBC | | 1/30/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.425 | 2.427 | 50,000,000 | 49,952,847 | - | - | 47,153 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523795 | BONY | 93 RBC | | 1/30/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.425 | 2.427 | 50,000,000 | 49,952,847 | - | - | 47,153 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523796 | BONY | 93 RBC | | 1/30/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.425 | 2.427 | 50,000,000 | 49,952,847 | - | - | 47,153 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523797 | BONY | 93 RBC | | 1/30/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.37 | 2.372 | 50,000,000 | 49,953,917 | - | - | 46,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523798 | BONY | 93 MERIL | | 1/30/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523960 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523961 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523962 | BONY | 93 RBC | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523963 | BONY | 93 MERIL | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523964 | BONY | 93 MERIL | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.36 | 2.36 | 30,000,000 | 29,998,033 | - | - | 1,967 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 523972 | BONY | 93 DAIWA | | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.25 | 2.25 | 31,809,000 | 31,809,000 | - | - | 1,988 | - | - | 31,810,988 |
| FUND 1000 | COMM PAPER | 523974 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523975 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523976 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523977 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 523978 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523979 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523980 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523981 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523982 | BONY | 93 MERIL | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523983 | BONY | 93 MERIL | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 523984 | BONY | 93 RBC | | 2/13/2019 | 2/27/2019 | 2/13/2019 | Purchased | 2.39 | 2.392 | 50,000,000 | 49,953,528 | 46,472 | - | - | - | - | 49,953,528 |
| FUND 1000 | COMM PAPER | 523985 | BONY | 93 RBC | | 2/13/2019 | 2/27/2019 | 2/13/2019 | Purchased | 2.39 | 2.392 | 50,000,000 | 49,953,528 | 46,472 | - | - | - | - | 49,953,528 |
| FUND 1000 | COMM PAPER | 523986 | BONY | 93 MERIL | | 2/13/2019 | 3/6/2019 | 2/13/2019 | Purchased | 2.38 | 2.383 | 50,000,000 | 49,930,583 | 69,417 | - | - | - | - | 49,930,583 |
| FUND 1000 | FFCB DISC | 523987 | BONY | 93 DAIWA | | 2/13/2019 | 4/2/2019 | 2/13/2019 | Purchased | 2.39 | 2.398 | 44,000,000 | 43,859,787 | 140,213 | - | - | - | - | 43,859,787 |
| FUND 1000 | REPO INT | 523995 | BONY | 93 DAIWA | | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.25 | 2.25 | 42,178,000 | 42,178,000 | - | - | - | - | - | 42,178,000 |
| FUND 1000 | COMM PAPER | 523974 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523975 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523976 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523977 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523978 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523979 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523980 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523981 | BONY | 93 RBC | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523982 | BONY | 93 MERIL | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523983 | BONY | 93 MERIL | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 523995 | BONY | 93 DAIWA | | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.25 | 2.25 | 42,178,000 | 42,178,000 | - | - | 2,636 | - | - | 42,180,636 |
| FUND 1000 | COMM PAPER | 524002 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524003 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524004 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524005 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524006 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524007 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524008 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524009 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | COMM PAPER | 524010 | BONY | 93 MERIL | | 2/14/2019 | 3/7/2019 | 2/14/2019 | Purchased | 2.41 | 2.413 | 50,000,000 | 49,929,708 | 70,292 | - | - | - | - | 49,929,708 |
| FUND 1000 | COMM PAPER | 524011 | BONY | 93 MERIL | | 2/14/2019 | 3/7/2019 | 2/14/2019 | Purchased | 2.41 | 2.413 | 50,000,000 | 49,929,708 | 70,292 | - | - | - | - | 49,929,708 |
| FUND 1000 | FFCB DISC | 524012 | BONY | 93 DAIWA | | 2/14/2019 | 4/3/2019 | 2/14/2019 | Purchased | 2.39 | 2.398 | 14,000,000 | 13,955,387 | 44,613 | - | - | - | - | 13,955,387 |
| FUND 1000 | REPO INT | 524022 | BONY | 93 DAIWA | | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.25 | 2.25 | 9,594,000 | 9,594,000 | - | - | - | - | - | 9,594,000 |
| FUND 1000 | COMM PAPER | 524002 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524003 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524004 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524005 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524006 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524007 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524008 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524009 | BONY | 93 RBC | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524022 | BONY | 93 DAIWA | | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.25 | 2.25 | 9,594,000 | 9,594,000 | - | - | 600 | - | - | 9,594,600 |
| FUND 1000 | COMM PAPER | 524025 | BONY | 93 MERIL | | 2/15/2019 | 2/22/2019 | 2/15/2019 | Purchased | 2.43 | 2.431 | 50,000,000 | 49,976,375 | 23,625 | - | - | - | - | 49,976,375 |
| FUND 1000 | COMM PAPER | 524026 | BONY | 93 MERIL | | 2/15/2019 | 2/22/2019 | 2/15/2019 | Purchased | 2.43 | 2.431 | 50,000,000 | 49,976,375 | 23,625 | - | - | - | - | 49,976,375 |
| FUND 1000 | COMM PAPER | 524027 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,986,833 | 13,167 | - | - | - | - | 49,986,833 |
| FUND 1000 | COMM PAPER | 524028 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,986,833 | 13,167 | - | - | - | - | 49,986,833 |
| FUND 1000 | COMM PAPER | 524029 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.37 | 2.371 | 25,000,000 | 24,993,417 | 6,583 | - | - | - | - | 24,993,417 |
| FUND 1000 | FFCB DISC | 524030 | BONY | 93 DAIWA | | 2/15/2019 | 4/10/2019 | 2/15/2019 | Purchased | 2.39 | 2.399 | 25,000,000 | 24,910,375 | 89,625 | - | - | - | - | 24,910,375 |
| FUND 1000 | REPO INT | 524039 | BONY | 93 DAIWA | | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.25 | 2.25 | 27,994,000 | 27,994,000 | - | - | - | - | - | 27,994,000 |
| FUND 1000 | COMM PAPER | 523965 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523966 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523967 | BONY | 93 MERIL | | 2/12/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524027 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,986,833 | - | - | 13,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524028 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,986,833 | - | - | 13,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524029 | BONY | 93 RBC | | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.37 | 2.371 | 25,000,000 | 24,993,417 | - | - | 6,583 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524039 | BONY | 93 DAIWA | | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.25 | 2.25 | 27,994,000 | 27,994,000 | - | - | 6,999 | - | - | 28,000,999 |
| FUND 1000 | COMM PAPER | 524045 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524046 | BONY | 93 RBC | | 2/19/2019 | 2/26/2019 | 2/19/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524047 | BONY | 93 RBC | | 2/19/2019 | 2/26/2019 | 2/19/2019 | Purchased | 2.38 | 2.381 | 15,000,000 | 14,993,058 | 6,942 | - | - | - | - | 14,993,058 |
| FUND 1000 | COMM PAPER | 524048 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524049 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524050 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | REPO INT | 524053 | BONY | 93 DAIWA | | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.25 | 2.25 | 10,573,000 | 10,573,000 | - | - | - | - | - | 10,573,000 |
| FUND 1000 | COMM PAPER | 523891 | BONY | 93 MERIL | | 2/6/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.38 | 2.382 | 50,000,000 | 49,953,722 | - | - | 46,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523892 | BONY | 93 MERIL | | 2/6/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.38 | 2.382 | 50,000,000 | 49,953,722 | - | - | 46,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524045 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524048 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524049 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524050 | BONY | 93 RBC | | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524053 | BONY | 93 DAIWA | | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.25 | 2.25 | 10,573,000 | 10,573,000 | - | - | 661 | - | - | 10,573,661 |
| FUND 1000 | COMM PAPER | 524058 | BONY | 93 MERIL | | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524059 | BONY | 93 | MERIL | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 1000 | COMM PAPER | 524060 | BONY | 93 | MERIL | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.38 | 2.38 | 30,000,000 | 29,998,017 | 1,983 | - | - | - | - | 29,998,017 |
| FUND 1000 | COMM PAPER | 524061 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524062 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524063 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | REPO INT | 524067 | BONY | 93 | DAIWA | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.25 | 2.25 | 40,982,000 | 40,982,000 | - | - | - | - | - | 40,982,000 |
| FUND 1000 | COMM PAPER | 524058 | BONY | 93 | MERIL | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524059 | BONY | 93 | MERIL | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524060 | BONY | 93 | MERIL | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.38 | 2.38 | 30,000,000 | 29,998,017 | - | - | 1,983 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 524061 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524062 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524063 | BONY | 93 | RBC | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524067 | BONY | 93 | DAIWA | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.25 | 2.25 | 40,982,000 | 40,982,000 | - | - | 2,561 | - | - | 40,984,561 |
| FUND 1000 | COMM PAPER | 524077 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524078 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524079 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524080 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524081 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | REPO INT | 524086 | BONY | 93 | DAIWA | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.25 | 2.25 | 24,295,000 | 24,295,000 | - | - | - | - | - | 24,295,000 |
| FUND 1000 | COMM PAPER | 524025 | BONY | 93 | MERIL | 2/15/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.43 | 2.431 | 50,000,000 | 49,976,375 | - | - | 23,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524026 | BONY | 93 | MERIL | 2/15/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.43 | 2.431 | 50,000,000 | 49,976,375 | - | - | 23,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524077 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524078 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524079 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524080 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524081 | BONY | 93 | RBC | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524086 | BONY | 93 | DAIWA | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.25 | 2.25 | 24,295,000 | 24,295,000 | - | - | 1,518 | - | - | 24,296,518 |
| FUND 1000 | COMM PAPER | 524091 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,990,167 | 9,833 | - | - | - | - | 49,990,167 |
| FUND 1000 | COMM PAPER | 524092 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,995,083 | 4,917 | - | - | - | - | 24,995,083 |
| FUND 1000 | COMM PAPER | 524093 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524094 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524095 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | REPO INT | 524098 | BONY | 93 | DAIWA | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.25 | 2.25 | 39,987,000 | 39,987,000 | - | - | - | - | - | 39,987,000 |
| FUND 1000 | COMM PAPER | 524091 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,990,167 | - | - | 9,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524092 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,995,083 | - | - | 4,917 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524093 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524094 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524095 | BONY | 93 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524098 | BONY | 93 | DAIWA | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.25 | 2.25 | 39,987,000 | 39,987,000 | - | - | 7,498 | - | - | 39,994,498 |
| FUND 1000 | COMM PAPER | 524100 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524101 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524102 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524103 | BONY | 93 | MERIL | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524104 | BONY | 93 | MERIL | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | REPO INT | 524106 | BONY | 93 | DAIWA | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.25 | 2.25 | 22,365,000 | 22,365,000 | - | - | - | - | - | 22,365,000 |
| FUND 1000 | T-BILL | 523623 | BONY | 93 | DAIWA | 1/15/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.355 | 2.361 | 50,000,000 | 49,862,625 | - | - | 137,375 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523624 | BONY | 93 | DAIWA | 1/15/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.355 | 2.361 | 50,000,000 | 49,862,625 | - | - | 137,375 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523625 | BONY | 93 | DAIWA | 1/15/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.355 | 2.361 | 50,000,000 | 49,862,625 | - | - | 137,375 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523626 | BONY | 93 | DAIWA | 1/15/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.355 | 2.361 | 50,000,000 | 49,862,625 | - | - | 137,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524046 | BONY | 93 | RBC | 2/19/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524047 | BONY | 93 | RBC | 2/19/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.38 | 2.381 | 15,000,000 | 14,993,058 | - | - | 6,942 | - | - | 15,000,000 |
| FUND 1000 | COMM PAPER | 524100 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524101 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524102 | BONY | 93 | RBC | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524103 | BONY | 93 | MERIL | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524104 | BONY | 93 | MERIL | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524106 | BONY | 93 | DAIWA | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.25 | 2.25 | 22,365,000 | 22,365,000 | - | - | 1,398 | - | - | 22,366,398 |
| FUND 1000 | COMM PAPER | 524109 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524110 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524111 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524112 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524113 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524114 | BONY | 93 | RBC | 2/26/2019 | 3/5/2019 | 2/26/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524115 | BONY | 93 | RBC | 2/26/2019 | 3/5/2019 | 2/26/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524116 | BONY | 93 | RBC | 2/26/2019 | 3/5/2019 | 2/26/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524117 | BONY | 93 | RBC | 2/26/2019 | 3/5/2019 | 2/26/2019 | Purchased | 2.38 | 2.381 | 30,000,000 | 29,986,117 | 13,883 | - | - | - | - | 29,986,117 |
| FUND 1000 | FRED MAC | 524118 | BONY | 93 | DAIWA | 2/26/2019 | 6/11/2019 | 2/26/2019 | Purchased | 2.42 | 2.437 | 50,000,000 | 49,647,083 | 352,917 | - | - | - | - | 49,647,083 |
| FUND 1000 | REPO INT | 524123 | BONY | 93 | DAIWA | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.25 | 2.25 | 21,763,000 | 21,763,000 | - | - | - | - | - | 21,763,000 |
| FUND 1000 | COMM PAPER | 523984 | BONY | 93 | RBC | 2/13/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 523985 | BONY | 93 | RBC | 2/13/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.39 | 2.392 | 50,000,000 | 49,953,528 | - | - | 46,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524109 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524110 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524111 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524112 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524113 | BONY | 93 | RBC | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524123 | BONY | 93 | DAIWA | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.25 | 2.25 | 21,763,000 | 21,763,000 | - | - | 1,360 | - | - | 21,764,360 |
| FUND 1000 | COMM PAPER | 524126 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524127 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524128 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524129 | BONY | 93 | MERIL | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524130 | BONY | 93 | MERIL | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524131 | BONY | 93 | RBC | 2/27/2019 | 3/13/2019 | 2/27/2019 | Purchased | 2.37 | 2.372 | 50,000,000 | 49,953,917 | 46,083 | - | - | - | - | 49,953,917 |
| FUND 1000 | COMM PAPER | 524132 | BONY | 93 | RBC | 2/27/2019 | 3/13/2019 | 2/27/2019 | Purchased | 2.37 | 2.372 | 50,000,000 | 49,953,917 | 46,083 | - | - | - | - | 49,953,917 |
| FUND 1000 | REPO INT | 524141 | BONY | 93 | DAIWA | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.25 | 2.25 | 37,702,000 | 37,702,000 | - | - | - | - | - | 37,702,000 |
| FUND 1000 | T-BILL | 520594 | BONY | 93 | RBC | 3/1/2018 | 2/28/2019 | 2/28/2019 | Matured | 1.99 | 2.031 | 1,630,000 | 1,597,203 | - | - | 32,797 | - | - | 1,630,000 |
| FUND 1000 | T-BILL | 520940 | CHASE | 29 | RBC | 4/12/2018 | 2/28/2019 | 2/28/2019 | Matured | 1.985 | 2.021 | 30,899,000 | 30,350,397 | - | - | 548,603 | - | - | 30,899,000 |
| FUND 1000 | COMM PAPER | 524126 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524127 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524128 | BONY | 93 | RBC | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524129 | BONY | 93 | MERIL | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524130 | BONY | 93 | MERIL | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524141 | BONY | 93 | DAIWA | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.25 | 2.25 | 37,702,000 | 37,702,000 | - | - | 2,356 | - | - | 37,704,356 |
| FUND 1000 | T-BILL | 524144 | CHASE | 29 | RBC | 2/28/2019 | 2/27/2020 | 2/28/2019 | Purchased | 2.462 | 2.525 | 30,899,000 | 30,129,658 | 769,342 | - | - | - | - | 30,129,658 |
| FUND 1000 | T-BILL | 524146 | BONY | 93 | DAIWA | 2/28/2019 | 8/29/2019 | 2/28/2019 | Purchased | 2.44 | 2.47 | 1,630,000 | 1,609,893 | 20,107 | - | - | - | - | 1,609,893 |
| FUND 1000 | COMM PAPER | 524153 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 2/28/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524154 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 2/28/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524155 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 2/28/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | REPO INT | 524160 | BONY | 93 | DAIWA | 2/28/2019 | 3/1/2019 | 2/28/2019 | Purchased | 2.4 | 2.4 | 83,724,000 | 83,724,000 | - | - | - | - | - | 83,724,000 |
| FUND 1000 | COMM PAPER | 524153 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524154 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524155 | BONY | 93 | RBC | 2/28/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524160 | BONY | 93 | DAIWA | 2/28/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.4 | 2.4 | 83,724,000 | 83,724,000 | - | - | 5,582 | - | - | 83,729,582 |
| FUND 1000 | COMM PAPER | 524165 | BONY | 93 | RBC | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524166 | BONY | 93 | RBC | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524167 | BONY | 93 | RBC | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524168 | BONY | 93 | RBC | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.43 | 2.43 | 15,000,000 | 14,996,963 | 3,038 | - | - | - | - | 14,996,963 |
| FUND 1000 | REPO INT | 524170 | BONY | 93 | DAIWA | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.25 | 2.25 | 18,972,000 | 18,972,000 | - | - | - | - | - | 18,972,000 |
| FUND 1000 | COMM PAPER | 523950 | BONY | 93 | RBC | 2/11/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.412 | 2.416 | 50,000,000 | 49,929,635 | - | - | 70,365 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 523951 | BONY | 93 RBC | | 2/11/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.412 | 2.416 | 50,000,000 | 49,929,635 | - | - | 70,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524165 | BONY | 93 RBC | | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524166 | BONY | 93 RBC | | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524167 | BONY | 93 RBC | | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524168 | BONY | 93 RBC | | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.43 | 2.43 | 15,000,000 | 14,996,963 | - | - | 3,038 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 524170 | BONY | 93 DAIWA | | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.25 | 2.25 | 18,972,000 | 18,972,000 | - | - | 3,557 | - | - | 18,975,557 |
| FUND 1000 | COMM PAPER | 524172 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524173 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524174 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524175 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.43 | 2.43 | 15,000,000 | 14,998,988 | 1,013 | - | - | - | - | 14,998,988 |
| FUND 1000 | COMM PAPER | 524176 | BONY | 93 MERIL | | 3/4/2019 | 3/11/2019 | 3/4/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524177 | BONY | 93 MERIL | | 3/4/2019 | 3/11/2019 | 3/4/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 524184 | BONY | 93 DAIWA | | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.25 | 2.25 | 27,184,000 | 27,184,000 | - | - | - | - | - | 27,184,000 |
| FUND 1000 | COMM PAPER | 524114 | BONY | 93 RBC | | 2/26/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524115 | BONY | 93 RBC | | 2/26/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524116 | BONY | 93 RBC | | 2/26/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524117 | BONY | 93 RBC | | 2/26/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.38 | 2.381 | 30,000,000 | 29,986,117 | - | - | 13,883 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 524172 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524173 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524174 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524175 | BONY | 93 RBC | | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.43 | 2.43 | 15,000,000 | 14,998,988 | - | - | 1,013 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 524184 | BONY | 93 DAIWA | | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.25 | 2.25 | 27,184,000 | 27,184,000 | - | - | 1,699 | - | - | 27,185,699 |
| FUND 1000 | COMM PAPER | 524188 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524189 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524190 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524191 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524192 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524193 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.36 | 2.36 | 15,000,000 | 14,999,017 | 983 | - | - | - | - | 14,999,017 |
| FUND 1000 | COMM PAPER | 524194 | BONY | 93 MERIL | | 3/5/2019 | 3/19/2019 | 3/5/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | COMM PAPER | 524195 | BONY | 93 MERIL | | 3/5/2019 | 3/19/2019 | 3/5/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | REPO INT | 524196 | BONY | 93 DAIWA | | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.25 | 2.25 | 28,954,000 | 28,954,000 | - | - | - | - | - | 28,954,000 |
| FUND 1000 | COMM PAPER | 523986 | BONY | 93 MERIL | | 2/13/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.38 | 2.383 | 50,000,000 | 49,930,583 | - | - | 69,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524188 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524189 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524190 | BONY | 93 RBC | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524191 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524192 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524193 | BONY | 93 MERIL | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.36 | 2.36 | 15,000,000 | 14,999,017 | - | - | 983 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 524196 | BONY | 93 DAIWA | | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.25 | 2.25 | 28,954,000 | 28,954,000 | - | - | 1,810 | - | - | 28,955,810 |
| FUND 1000 | COMM PAPER | 524198 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524199 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524200 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524201 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524202 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.37 | 2.37 | 45,000,000 | 44,997,038 | 2,963 | - | - | - | - | 44,997,038 |
| FUND 1000 | COMM PAPER | 524203 | BONY | 93 MERIL | | 3/6/2019 | 3/20/2019 | 3/6/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | COMM PAPER | 524204 | BONY | 93 MERIL | | 3/6/2019 | 3/20/2019 | 3/6/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | REPO INT | 524207 | BONY | 93 DAIWA | | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.25 | 2.25 | 22,905,000 | 22,905,000 | - | - | - | - | - | 22,905,000 |
| FUND 1000 | COMM PAPER | 524010 | BONY | 93 MERIL | | 2/14/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.41 | 2.413 | 50,000,000 | 49,929,708 | - | - | 70,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524011 | BONY | 93 MERIL | | 2/14/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.41 | 2.413 | 50,000,000 | 49,929,708 | - | - | 70,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524198 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524199 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524200 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524201 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524202 | BONY | 93 RBC | | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.37 | 2.37 | 45,000,000 | 44,997,038 | - | - | 2,963 | - | - | 45,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | REPO INT | 524207 | BONY | 93 | DAIWA | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.25 | 2.25 | 22,905,000 | 22,905,000 | - | - | 1,432 | - | - | 22,906,432 |
| FUND 1000 | COMM PAPER | 524227 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524228 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524229 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524230 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524231 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |
| FUND 1000 | COMM PAPER | 524232 | BONY | 93 | WELLB | 3/7/2019 | 3/20/2019 | 3/7/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,956,667 | 43,333 | - | - | - | - | 49,956,667 |
| FUND 1000 | REPO INT | 524235 | BONY | 93 | DAIWA | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.25 | 2.25 | 24,391,000 | 24,391,000 | - | - | - | - | - | 24,391,000 |
| FUND 1000 | COMM PAPER | 524227 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524228 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524229 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524230 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524231 | BONY | 93 | RBC | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524235 | BONY | 93 | DAIWA | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.25 | 2.25 | 24,391,000 | 24,391,000 | - | - | 1,524 | - | - | 24,392,524 |
| FUND 1000 | COMM PAPER | 524239 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/8/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524240 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/8/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524241 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/8/2019 | Purchased | 2.42 | 2.42 | 15,000,000 | 14,996,975 | 3,025 | - | - | - | - | 14,996,975 |
| FUND 1000 | REPO INT | 524245 | BONY | 93 | DAIWA | 3/8/2019 | 3/11/2019 | 3/8/2019 | Purchased | 2.25 | 2.25 | 25,776,000 | 25,776,000 | - | - | - | - | - | 25,776,000 |
| FUND 1000 | COMM PAPER | 524176 | BONY | 93 | MERIL | 3/4/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524177 | BONY | 93 | MERIL | 3/4/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524239 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524240 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524241 | BONY | 93 | RBC | 3/8/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.42 | 2.42 | 15,000,000 | 14,996,975 | - | - | 3,025 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 524245 | BONY | 93 | DAIWA | 3/8/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.25 | 2.25 | 25,776,000 | 25,776,000 | - | - | 4,833 | - | - | 25,780,833 |
| FUND 1000 | COMM PAPER | 524247 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524248 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524249 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.42 | 2.42 | 40,000,000 | 39,997,311 | 2,689 | - | - | - | - | 39,997,311 |
| FUND 1000 | COMM PAPER | 524250 | BONY | 93 | MERIL | 3/11/2019 | 3/18/2019 | 3/11/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524251 | BONY | 93 | MERIL | 3/11/2019 | 3/18/2019 | 3/11/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524255 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.42 | 2.42 | 25,000,000 | 24,998,319 | 1,681 | - | - | - | - | 24,998,319 |
| FUND 1000 | REPO INT | 524257 | BONY | 93 | DAIWA | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.25 | 2.25 | 23,955,000 | 23,955,000 | - | - | - | - | - | 23,955,000 |
| FUND 1000 | T-BILL | 523627 | BONY | 93 | DAIWA | 1/15/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,814,889 | - | - | 185,111 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523628 | BONY | 93 | DAIWA | 1/15/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,814,889 | - | - | 185,111 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523629 | BONY | 93 | DAIWA | 1/15/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,814,889 | - | - | 185,111 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523630 | BONY | 93 | DAIWA | 1/15/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,814,889 | - | - | 185,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524247 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524248 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524249 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.42 | 2.42 | 40,000,000 | 39,997,311 | - | - | 2,689 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 524255 | BONY | 93 | RBC | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.42 | 2.42 | 25,000,000 | 24,998,319 | - | - | 1,681 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524257 | BONY | 93 | DAIWA | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.25 | 2.25 | 23,955,000 | 23,955,000 | - | - | 1,497 | - | - | 23,956,497 |
| FUND 1000 | COMM PAPER | 524264 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524265 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524266 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524267 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524268 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524269 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.37 | 2.37 | 20,000,000 | 19,998,683 | 1,317 | - | - | - | - | 19,998,683 |
| FUND 1000 | COMM PAPER | 524270 | BONY | 93 | RBC | 3/12/2019 | 3/26/2019 | 3/12/2019 | Purchased | 2.405 | 2.407 | 50,000,000 | 49,953,236 | 46,764 | - | - | - | - | 49,953,236 |
| FUND 1000 | COMM PAPER | 524271 | BONY | 93 | RBC | 3/12/2019 | 3/26/2019 | 3/12/2019 | Purchased | 2.405 | 2.407 | 50,000,000 | 49,953,236 | 46,764 | - | - | - | - | 49,953,236 |
| FUND 1000 | REPO INT | 524275 | BONY | 93 | DAIWA | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.25 | 2.25 | 30,872,000 | 30,872,000 | - | - | - | - | - | 30,872,000 |
| FUND 1000 | COMM PAPER | 524131 | BONY | 93 | RBC | 2/27/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.37 | 2.372 | 50,000,000 | 49,953,917 | - | - | 46,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524132 | BONY | 93 | RBC | 2/27/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.37 | 2.372 | 50,000,000 | 49,953,917 | - | - | 46,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524264 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524265 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524266 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524267 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524268 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524269 | BONY | 93 | RBC | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.37 | 2.37 | 20,000,000 | 19,998,683 | - | - | 1,317 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524275 | BONY | 93 | DAIWA | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.25 | 2.25 | 30,872,000 | 30,872,000 | - | - | 1,930 | - | - | 30,873,930 |
| FUND 1000 | COMM PAPER | 524276 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524277 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524278 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524279 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524280 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524281 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.37 | 2.37 | 10,000,000 | 9,999,342 | 658 | - | - | - | - | 9,999,342 |
| FUND 1000 | COMM PAPER | 524282 | BONY | 93 | MERIL | 3/13/2019 | 4/3/2019 | 3/13/2019 | Purchased | 2.42 | 2.423 | 50,000,000 | 49,929,417 | 70,583 | - | - | - | - | 49,929,417 |
| FUND 1000 | COMM PAPER | 524283 | BONY | 93 | MERIL | 3/13/2019 | 4/3/2019 | 3/13/2019 | Purchased | 2.42 | 2.423 | 50,000,000 | 49,929,417 | 70,583 | - | - | - | - | 49,929,417 |
| FUND 1000 | REPO INT | 524287 | BONY | 93 | DAIWA | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.25 | 2.25 | 21,302,000 | 21,302,000 | - | - | - | - | - | 21,302,000 |
| FUND 1000 | COMM PAPER | 524276 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524277 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524278 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524279 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524280 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524281 | BONY | 93 | RBC | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.37 | 2.37 | 10,000,000 | 9,999,342 | - | - | 658 | - | - | 10,000,000 |
| FUND 1000 | REPO INT | 524287 | BONY | 93 | DAIWA | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.25 | 2.25 | 21,302,000 | 21,302,000 | - | - | 1,331 | - | - | 21,303,331 |
| FUND 1000 | COMM PAPER | 524289 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524290 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524291 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524292 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524293 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524294 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.37 | 2.37 | 35,000,000 | 34,997,696 | 2,304 | - | - | - | - | 34,997,696 |
| FUND 1000 | COMM PAPER | 524295 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | REPO INT | 524300 | BONY | 93 | DAIWA | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.25 | 2.25 | 15,985,000 | 15,985,000 | - | - | - | - | - | 15,985,000 |
| FUND 1000 | COMM PAPER | 524289 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524290 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524291 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524292 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524293 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524294 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.37 | 2.37 | 35,000,000 | 34,997,696 | - | - | 2,304 | - | - | 35,000,000 |
| FUND 1000 | COMM PAPER | 524295 | BONY | 93 | RBC | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524300 | BONY | 93 | DAIWA | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.25 | 2.25 | 15,985,000 | 15,985,000 | - | - | 999 | - | - | 15,985,999 |
| FUND 1000 | COMM PAPER | 524305 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524306 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524307 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524308 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,990,125 | 9,875 | - | - | - | - | 49,990,125 |
| FUND 1000 | REPO INT | 524314 | BONY | 93 | DAIWA | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.3 | 2.3 | 35,879,000 | 35,879,000 | - | - | - | - | - | 35,879,000 |
| FUND 1000 | COMM PAPER | 524250 | BONY | 93 | MERIL | 3/11/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524251 | BONY | 93 | MERIL | 3/11/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524305 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524306 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524307 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524308 | BONY | 93 | RBC | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,990,125 | - | - | 9,875 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524314 | BONY | 93 | DAIWA | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.3 | 2.3 | 35,879,000 | 35,879,000 | - | - | 6,877 | - | - | 35,885,877 |
| FUND 1000 | COMM PAPER | 524315 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524316 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524317 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524318 | BONY | 93 | MERIL | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524319 | BONY | 93 | MERIL | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,997,378 | 2,622 | - | - | - | - | 39,997,378 |
| FUND 1000 | COMM PAPER | 524320 | BONY | 93 | MERIL | 3/18/2019 | 3/25/2019 | 3/18/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | REPO INT | 524324 | BONY | 93 | DAIWA | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.3 | 2.3 | 39,229,000 | 39,229,000 | - | - | - | - | - | 39,229,000 |
| FUND 1000 | COMM PAPER | 524194 | BONY | 93 | MERIL | 3/5/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524195 | BONY | 93 | MERIL | 3/5/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524315 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524316 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524317 | BONY | 93 | RBC | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524318 | BONY | 93 | MERIL | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524319 | BONY | 93 | MERIL | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,997,378 | - | - | 2,622 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524324 | BONY | 93 | DAIWA | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.3 | 2.3 | 39,229,000 | 39,229,000 | - | - | 2,506 | - | - | 39,231,506 |
| FUND 1000 | COMM PAPER | 524345 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524346 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524347 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524348 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524349 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524350 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524351 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,998,689 | 1,311 | - | - | - | - | 19,998,689 |
| FUND 1000 | REPO INT | 524358 | BONY | 93 | DAIWA | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.3 | 2.3 | 40,810,000 | 40,810,000 | - | - | - | - | - | 40,810,000 |
| FUND 1000 | COMM PAPER | 524203 | BONY | 93 | MERIL | 3/6/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524204 | BONY | 93 | MERIL | 3/6/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524232 | BONY | 93 | WELLB | 3/7/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,956,667 | - | - | 43,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524345 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524346 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524347 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524348 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524349 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524350 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524351 | BONY | 93 | RBC | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,998,689 | - | - | 1,311 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524358 | BONY | 93 | DAIWA | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.3 | 2.3 | 40,810,000 | 40,810,000 | - | - | 2,607 | - | - | 40,812,607 |
| FUND 1000 | COMM PAPER | 524363 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524364 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524365 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524366 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524367 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524368 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524369 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524370 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.37 | 2.37 | 20,000,000 | 19,998,683 | 1,317 | - | - | - | - | 19,998,683 |
| FUND 1000 | COMM PAPER | 524371 | BONY | 93 | WELLB | 3/20/2019 | 3/27/2019 | 3/20/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524372 | BONY | 93 | WELLB | 3/20/2019 | 3/27/2019 | 3/20/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | REPO INT | 524378 | BONY | 93 | DAIWA | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.3 | 2.3 | 19,676,000 | 19,676,000 | - | - | - | - | - | 19,676,000 |
| FUND 1000 | FFCB DISC | 524012 | BONY | 93 | DAIWA | 2/14/2019 | 4/3/2019 | 3/21/2019 | Final Sale | 2.39 | 2.398 | 14,000,000 | 13,955,387 | 44,613 | - | 32,531 | - | 177 | 13,987,740 |
| FUND 1000 | COMM PAPER | 524363 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524364 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524365 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524366 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524367 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524368 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524369 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524370 | BONY | 93 | RBC | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.37 | 2.37 | 20,000,000 | 19,998,683 | - | - | 1,317 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524378 | BONY | 93 | DAIWA | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.3 | 2.3 | 19,676,000 | 19,676,000 | - | - | 1,257 | - | - | 19,677,257 |
| FUND 1000 | COMM PAPER | 524380 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524381 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524382 | BONY | 93 | BOFAB | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524383 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 524384 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524385 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,997,378 | 2,622 | - | - | - | - | 39,997,378 |
| FUND 1000 | REPO INT | 524399 | BONY | 93 | DAIWA | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.3 | 2.3 | 4,200,000 | 4,200,000 | - | - | - | - | - | 4,200,000 |
| FUND 1000 | COMM PAPER | 524380 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524381 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524382 | BONY | 93 | BOFAB | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524383 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524384 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524385 | BONY | 93 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,997,378 | - | - | 2,622 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524399 | BONY | 93 | DAIWA | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.3 | 2.3 | 4,200,000 | 4,200,000 | - | - | 268 | - | - | 4,200,268 |
| FUND 1000 | COMM PAPER | 524402 | BONY | 93 | RBC | 3/22/2019 | 3/25/2019 | 3/22/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524403 | BONY | 93 | RBC | 3/22/2019 | 3/25/2019 | 3/22/2019 | Purchased | 2.43 | 2.43 | 20,000,000 | 19,995,950 | 4,050 | - | - | - | - | 19,995,950 |
| FUND 1000 | REPO INT | 524413 | BONY | 93 | DAIWA | 3/22/2019 | 3/25/2019 | 3/22/2019 | Purchased | 2.3 | 2.3 | 22,346,000 | 22,346,000 | - | - | - | - | - | 22,346,000 |
| FUND 1000 | COMM PAPER | 524320 | BONY | 93 | MERIL | 3/18/2019 | 3/25/2019 | 3/25/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524402 | BONY | 93 | RBC | 3/22/2019 | 3/25/2019 | 3/25/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524403 | BONY | 93 | RBC | 3/22/2019 | 3/25/2019 | 3/25/2019 | Matured | 2.43 | 2.43 | 20,000,000 | 19,995,950 | - | - | 4,050 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524413 | BONY | 93 | DAIWA | 3/22/2019 | 3/25/2019 | 3/25/2019 | Matured | 2.3 | 2.3 | 22,346,000 | 22,346,000 | - | - | 4,283 | - | - | 22,350,283 |
| FUND 1000 | COMM PAPER | 524415 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524416 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524417 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/25/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | REPO INT | 524420 | BONY | 93 | DAIWA | 3/25/2019 | 3/26/2019 | 3/25/2019 | Purchased | 2.25 | 2.25 | 23,475,000 | 23,475,000 | - | - | - | - | - | 23,475,000 |
| FUND 1000 | COMM PAPER | 524270 | BONY | 93 | RBC | 3/12/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.405 | 2.407 | 50,000,000 | 49,953,236 | - | - | 46,764 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524271 | BONY | 93 | RBC | 3/12/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.405 | 2.407 | 50,000,000 | 49,953,236 | - | - | 46,764 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524415 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524416 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524417 | BONY | 93 | RBC | 3/25/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524420 | BONY | 93 | DAIWA | 3/25/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.25 | 2.25 | 23,475,000 | 23,475,000 | - | - | 1,467 | - | - | 23,476,467 |
| FUND 1000 | COMM PAPER | 524428 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524429 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524430 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524431 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.43 | 2.43 | 20,000,000 | 19,998,650 | 1,350 | - | - | - | - | 19,998,650 |
| FUND 1000 | COMM PAPER | 524432 | BONY | 93 | MERIL | 3/26/2019 | 4/1/2019 | 3/26/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,980,000 | 20,000 | - | - | - | - | 49,980,000 |
| FUND 1000 | REPO INT | 524435 | BONY | 93 | DAIWA | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.25 | 2.25 | 3,754,000 | 3,754,000 | - | - | - | - | - | 3,754,000 |
| FUND 1000 | COMM PAPER | 524371 | BONY | 93 | WELLB | 3/20/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524372 | BONY | 93 | WELLB | 3/20/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524428 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524429 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524430 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524431 | BONY | 93 | RBC | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.43 | 2.43 | 20,000,000 | 19,998,650 | - | - | 1,350 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524435 | BONY | 93 | DAIWA | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.25 | 2.25 | 3,754,000 | 3,754,000 | - | - | 235 | - | - | 3,754,235 |
| FUND 1000 | COMM PAPER | 524437 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524438 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524439 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524440 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.37 | 2.37 | 45,000,000 | 44,997,038 | 2,963 | - | - | - | - | 44,997,038 |
| FUND 1000 | COMM PAPER | 524441 | BONY | 93 | RBC | 3/27/2019 | 4/1/2019 | 3/27/2019 | Purchased | 2.52 | 2.521 | 25,000,000 | 24,991,250 | 8,750 | - | - | - | - | 24,991,250 |
| FUND 1000 | REPO INT | 524445 | BONY | 93 | DAIWA | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.25 | 2.25 | 24,198,000 | 24,198,000 | - | - | - | - | - | 24,198,000 |
| FUND 1000 | COMM PAPER | 524437 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524438 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524439 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524440 | BONY | 93 | RBC | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.37 | 2.37 | 45,000,000 | 44,997,038 | - | - | 2,963 | - | - | 45,000,000 |
| FUND 1000 | REPO INT | 524445 | BONY | 93 | DAIWA | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.25 | 2.25 | 24,198,000 | 24,198,000 | - | - | 1,512 | - | - | 24,199,512 |
| FUND 1000 | COMM PAPER | 524451 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/28/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524452 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/28/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524453 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/28/2019 | Purchased | 2.43 | 2.43 | 30,000,000 | 29,997,975 | 2,025 | - | - | - | - | 29,997,975 |
| FUND 1000 | REPO INT | 524458 | BONY | 93 | DAIWA | 3/28/2019 | 3/29/2019 | 3/28/2019 | Purchased | 2.3 | 2.3 | 51,405,000 | 51,405,000 | - | - | - | - | - | 51,405,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524451 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/29/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524452 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/29/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524453 | BONY | 93 | RBC | 3/28/2019 | 3/29/2019 | 3/29/2019 | Matured | 2.43 | 2.43 | 30,000,000 | 29,997,975 | - | - | 2,025 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 524458 | BONY | 93 | DAIWA | 3/28/2019 | 3/29/2019 | 3/29/2019 | Matured | 2.3 | 2.3 | 51,405,000 | 51,405,000 | - | - | 3,284 | - | - | 51,408,284 |
| FUND 1000 | COMM PAPER | 524462 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 3/29/2019 | Purchased | 2.46 | 2.461 | 50,000,000 | 49,989,750 | 10,250 | - | - | - | - | 49,989,750 |
| FUND 1000 | COMM PAPER | 524463 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 3/29/2019 | Purchased | 2.46 | 2.461 | 20,000,000 | 19,995,900 | 4,100 | - | - | - | - | 19,995,900 |
| FUND 1000 | COMM PAPER | 524465 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 3/29/2019 | Purchased | 2.46 | 2.461 | 30,000,000 | 29,993,850 | 6,150 | - | - | - | - | 29,993,850 |
| FUND 1000 | REPO INT | 524468 | BONY | 93 | DAIWA | 3/29/2019 | 4/1/2019 | 3/29/2019 | Purchased | 2.35 | 2.35 | 18,338,000 | 18,338,000 | - | - | - | - | - | 18,338,000 |
| FUND 1000 | COMM PAPER | 524432 | BONY | 93 | MERIL | 3/26/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,980,000 | - | - | 20,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524441 | BONY | 93 | RBC | 3/27/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.52 | 2.521 | 25,000,000 | 24,991,250 | - | - | 8,750 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524462 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.46 | 2.461 | 50,000,000 | 49,989,750 | - | - | 10,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524463 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.46 | 2.461 | 20,000,000 | 19,995,900 | - | - | 4,100 | - | - | 20,000,000 |
| FUND 1000 | COMM PAPER | 524465 | BONY | 93 | MERIL | 3/29/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.46 | 2.461 | 30,000,000 | 29,993,850 | - | - | 6,150 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 524468 | BONY | 93 | DAIWA | 3/29/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.35 | 2.35 | 18,338,000 | 18,338,000 | - | - | 3,591 | - | - | 18,341,591 |
| FUND 1000 | COMM PAPER | 524472 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/1/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524473 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/1/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524474 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/1/2019 | Purchased | 2.43 | 2.43 | 40,000,000 | 39,997,300 | 2,700 | - | - | - | - | 39,997,300 |
| FUND 1000 | REPO INT | 524478 | BONY | 93 | DAIWA | 4/1/2019 | 4/2/2019 | 4/1/2019 | Purchased | 2.3 | 2.3 | 27,164,000 | 27,164,000 | - | - | - | - | - | 27,164,000 |
| FUND 1000 | FFCB DISC | 524401 | BONY | 93 | DAIWA | 2/13/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.39 | 2.398 | 44,000,000 | 43,859,787 | - | - | 140,213 | - | - | 44,000,000 |
| FUND 1000 | COMM PAPER | 524472 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524473 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524474 | BONY | 93 | RBC | 4/1/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.43 | 2.43 | 40,000,000 | 39,997,300 | - | - | 2,700 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524478 | BONY | 93 | DAIWA | 4/1/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.3 | 2.3 | 27,164,000 | 27,164,000 | - | - | 1,735 | - | - | 27,165,735 |
| FUND 1000 | COMM PAPER | 524482 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524483 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524484 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524485 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | REPO INT | 524489 | BONY | 93 | DAIWA | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.3 | 2.3 | 40,664,000 | 40,664,000 | - | - | - | - | - | 40,664,000 |
| FUND 1000 | COMM PAPER | 524282 | BONY | 93 | MERIL | 3/13/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.42 | 2.423 | 50,000,000 | 49,929,417 | - | - | 70,583 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524283 | BONY | 93 | MERIL | 3/13/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.42 | 2.423 | 50,000,000 | 49,929,417 | - | - | 70,583 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524482 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524483 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524484 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524485 | BONY | 93 | RBC | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524489 | BONY | 93 | DAIWA | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.3 | 2.3 | 40,664,000 | 40,664,000 | - | - | 2,598 | - | - | 40,666,598 |
| FUND 1000 | COMM PAPER | 524490 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524491 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524492 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524493 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524494 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,998,333 | 1,667 | - | - | - | - | 24,998,333 |
| FUND 1000 | COMM PAPER | 524495 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/3/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 524496 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/3/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 524497 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/3/2019 | Purchased | 2.39 | 2.391 | 25,000,000 | 24,988,382 | 11,618 | - | - | - | - | 24,988,382 |
| FUND 1000 | FFCB DISC | 524498 | BONY | 93 | DAIWA | 4/3/2019 | 5/29/2019 | 4/3/2019 | Purchased | 2.38 | 2.389 | 25,000,000 | 24,907,444 | 92,556 | - | - | - | - | 24,907,444 |
| FUND 1000 | COMM PAPER | 524499 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524500 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524501 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | REPO INT | 524504 | BONY | 93 | DAIWA | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.3 | 2.3 | 96,677,000 | 96,677,000 | - | - | - | - | - | 96,677,000 |
| FUND 1000 | COMM PAPER | 524490 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524491 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524492 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524493 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524494 | BONY | 93 | MERIL | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,998,333 | - | - | 1,667 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524499 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524500 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524501 | BONY | 93 | RBC | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524504 | BONY | 93 | DAIWA | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.3 | 2.3 | 96,677,000 | 96,677,000 | - | - | 6,177 | - | - | 96,683,177 |
| FUND 1000 | COMM PAPER | 524508 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524509 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524510 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524511 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524512 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.4 | 2.4 | 30,000,000 | 29,998,000 | 2,000 | - | - | - | - | 29,998,000 |
| FUND 1000 | COMM PAPER | 524513 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524514 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524515 | BONY | 93 | RBC | 4/4/2019 | 4/11/2019 | 4/4/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524516 | BONY | 93 | RBC | 4/4/2019 | 4/11/2019 | 4/4/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 524525 | BONY | 93 | DAIWA | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.3 | 2.3 | 35,011,000 | 35,011,000 | - | - | - | - | - | 35,011,000 |
| FUND 1000 | COMM PAPER | 524508 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524509 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524510 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524511 | BONY | 93 | RBC | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524512 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.4 | 2.4 | 30,000,000 | 29,998,000 | - | - | 2,000 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 524513 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524514 | BONY | 93 | MERIL | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524525 | BONY | 93 | DAIWA | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.3 | 2.3 | 35,011,000 | 35,011,000 | - | - | 2,237 | - | - | 35,013,237 |
| FUND 1000 | COMM PAPER | 524526 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524527 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524528 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524529 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |
| FUND 1000 | COMM PAPER | 524530 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.4 | 2.4 | 40,000,000 | 39,992,000 | 8,000 | - | - | - | - | 39,992,000 |
| FUND 1000 | REPO INT | 524534 | BONY | 93 | DAIWA | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.25 | 2.25 | 37,525,000 | 37,525,000 | - | - | - | - | - | 37,525,000 |
| FUND 1000 | COMM PAPER | 524526 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524527 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524528 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524529 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524530 | BONY | 93 | RBC | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.4 | 2.4 | 40,000,000 | 39,992,000 | - | - | 8,000 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524534 | BONY | 93 | DAIWA | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.25 | 2.25 | 37,525,000 | 37,525,000 | - | - | 7,036 | - | - | 37,532,036 |
| FUND 1000 | COMM PAPER | 524535 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524536 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524537 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524538 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524539 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.4 | 2.4 | 40,000,000 | 39,997,333 | 2,667 | - | - | - | - | 39,997,333 |
| FUND 1000 | REPO INT | 524541 | BONY | 93 | DAIWA | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.3 | 2.3 | 32,877,000 | 32,877,000 | - | - | - | - | - | 32,877,000 |
| FUND 1000 | COMM PAPER | 524535 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524536 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524537 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524538 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524539 | BONY | 93 | RBC | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.4 | 2.4 | 40,000,000 | 39,997,333 | - | - | 2,667 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524541 | BONY | 93 | DAIWA | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.3 | 2.3 | 32,877,000 | 32,877,000 | - | - | 2,100 | - | - | 32,879,100 |
| FUND 1000 | COMM PAPER | 524542 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524543 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524544 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.43 | 2.43 | 48,985,000 | 48,981,694 | 3,306 | - | - | - | - | 48,981,694 |
| FUND 1000 | COMM PAPER | 524545 | BONY | 93 | RBC | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524546 | BONY | 93 | RBC | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | REPO INT | 524558 | BONY | 93 | DAIWA | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.3 | 2.3 | 18,487,000 | 18,487,000 | - | - | - | - | - | 18,487,000 |
| FUND 1000 | FFCB DISC | 524030 | BONY | 93 | DAIWA | 2/15/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.39 | 2.399 | 25,000,000 | 24,910,375 | - | - | 89,625 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524495 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524496 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524497 | BONY | 93 | MERIL | 4/3/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.39 | 2.391 | 25,000,000 | 24,988,382 | - | - | 11,618 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524542 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524543 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524544 | BONY | 93 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.43 | 2.43 | 48,985,000 | 48,981,694 | - | - | 3,306 | - | - | 48,985,000 |
| FUND 1000 | REPO INT | 524558 | BONY | 93 | DAIWA | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.3 | 2.3 | 18,487,000 | 18,487,000 | - | - | 1,181 | - | - | 18,488,181 |
| FUND 1000 | COMM PAPER | 524559 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524560 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524561 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524562 | BONY | 93 | MERIL | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524563 | BONY | 93 | MERIL | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,998,333 | 1,667 | - | - | - | - | 24,998,333 |
| FUND 1000 | COMM PAPER | 524564 | BONY | 93 | MERIL | 4/10/2019 | 4/17/2019 | 4/10/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 524565 | BONY | 93 | MERIL | 4/10/2019 | 4/17/2019 | 4/10/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | REPO INT | 524572 | BONY | 93 | DAIWA | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.3 | 2.3 | 28,109,000 | 28,109,000 | - | - | - | - | - | 28,109,000 |
| FUND 1000 | COMM PAPER | 524515 | BONY | 93 | RBC | 4/4/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524516 | BONY | 93 | RBC | 4/4/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524559 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524560 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524561 | BONY | 93 | RBC | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524562 | BONY | 93 | MERIL | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524563 | BONY | 93 | MERIL | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,998,333 | - | - | 1,667 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524572 | BONY | 93 | DAIWA | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.3 | 2.3 | 28,109,000 | 28,109,000 | - | - | 1,796 | - | - | 28,110,796 |
| FUND 1000 | COMM PAPER | 524579 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524580 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524581 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524582 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524583 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524584 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | REPO INT | 524608 | BONY | 93 | DAIWA | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.3 | 2.3 | 45,385,000 | 45,385,000 | - | - | - | - | - | 45,385,000 |
| FUND 1000 | COMM PAPER | 524579 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524580 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524581 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524582 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524583 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524584 | BONY | 93 | RBC | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524608 | BONY | 93 | DAIWA | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.3 | 2.3 | 45,385,000 | 45,385,000 | - | - | 2,900 | - | - | 45,387,900 |
| FUND 1000 | COMM PAPER | 524609 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524610 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524611 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524612 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |
| FUND 1000 | COMM PAPER | 524613 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |
| FUND 1000 | COMM PAPER | 524614 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,995,000 | 5,000 | - | - | - | - | 24,995,000 |
| FUND 1000 | REPO INT | 524617 | BONY | 93 | DAIWA | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.3 | 2.3 | 32,734,000 | 32,734,000 | - | - | - | - | - | 32,734,000 |
| FUND 1000 | COMM PAPER | 524609 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524610 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524611 | BONY | 93 | RBC | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524612 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524613 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524614 | BONY | 93 | MERIL | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,995,000 | - | - | 5,000 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524617 | BONY | 93 | DAIWA | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.3 | 2.3 | 32,734,000 | 32,734,000 | - | - | 6,274 | - | - | 32,740,274 |
| FUND 1000 | COMM PAPER | 524622 | BONY | 93 | RBC | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524623 | BONY | 93 | RBC | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524624 | BONY | 93 | RBC | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524625 | BONY | 93 | MERIL | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.4 | 2.4 | 20,000,000 | 19,998,667 | 1,333 | - | - | - | - | 19,998,667 |
| FUND 1000 | REPO INT | 524632 | BONY | 93 | DAIWA | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.3 | 2.3 | 48,906,000 | 48,906,000 | - | - | - | - | - | 48,906,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 524545 | BONY | 93 RBC | | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524546 | BONY | 93 RBC | | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524622 | BONY | 93 RBC | | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524623 | BONY | 93 RBC | | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524624 | BONY | 93 RBC | | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524625 | BONY | 93 MERIL | | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.4 | 2.4 | 20,000,000 | 19,998,667 | - | - | 1,333 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524632 | BONY | 93 DAIWA | | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.3 | 2.3 | 48,906,000 | 48,906,000 | - | - | 3,125 | - | - | 48,909,125 |
| FUND 1000 | COMM PAPER | 524633 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524634 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524635 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524636 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 1000 | COMM PAPER | 524637 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 1000 | COMM PAPER | 524638 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.38 | 2.38 | 40,000,000 | 39,997,356 | 2,644 | - | - | - | - | 39,997,356 |
| FUND 1000 | REPO INT | 524652 | BONY | 93 DAIWA | | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.3 | 2.3 | 27,029,000 | 27,029,000 | - | - | - | - | - | 27,029,000 |
| FUND 1000 | COMM PAPER | 524654 | BONY | 93 MERIL | | 4/10/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524655 | BONY | 93 MERIL | | 4/10/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524633 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524634 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524635 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524636 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524637 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524638 | BONY | 93 RBC | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.38 | 2.38 | 40,000,000 | 39,997,356 | - | - | 2,644 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524652 | BONY | 93 DAIWA | | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.3 | 2.3 | 27,029,000 | 27,029,000 | - | - | 1,727 | - | - | 27,030,727 |
| FUND 1000 | COMM PAPER | 524653 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524654 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524655 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524656 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524657 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524658 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524659 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524660 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 20,000,000 | 19,998,667 | 1,333 | - | - | - | - | 19,998,667 |
| FUND 1000 | REPO INT | 524664 | BONY | 93 DAIWA | | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 135,126,000 | 135,126,000 | - | - | - | - | - | 135,126,000 |
| FUND 1000 | COMM PAPER | 524653 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524654 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524655 | BONY | 93 RBC | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524656 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524657 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524658 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524659 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524660 | BONY | 93 MERIL | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 20,000,000 | 19,998,667 | - | - | 1,333 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524664 | BONY | 93 DAIWA | | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 135,126,000 | 135,126,000 | - | - | 9,008 | - | - | 135,135,008 |
| FUND 1000 | COMM PAPER | 524671 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,986,667 | 13,333 | - | - | - | - | 49,986,667 |
| FUND 1000 | COMM PAPER | 524672 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,986,667 | 13,333 | - | - | - | - | 49,986,667 |
| FUND 1000 | COMM PAPER | 524673 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,986,667 | 13,333 | - | - | - | - | 49,986,667 |
| FUND 1000 | COMM PAPER | 524674 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,986,667 | 13,333 | - | - | - | - | 49,986,667 |
| FUND 1000 | REPO INT | 524683 | BONY | 93 DAIWA | | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.4 | 52,086,000 | 52,086,000 | - | - | - | - | - | 52,086,000 |
| FUND 1000 | COMM PAPER | 524671 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,986,667 | - | - | 13,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524672 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,986,667 | - | - | 13,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524673 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,986,667 | - | - | 13,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524674 | BONY | 93 RBC | | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,986,667 | - | - | 13,333 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524683 | BONY | 93 DAIWA | | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.4 | 52,086,000 | 52,086,000 | - | - | 13,890 | - | - | 52,099,890 |
| FUND 1000 | COMM PAPER | 524685 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524686 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524687 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524688 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524689 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,998,333 | 1,667 | - | - | - | - | 24,998,333 |
| FUND 1000 | REPO INT | 524697 | BONY | 93 DAIWA | | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.3 | 2.3 | 41,361,000 | 41,361,000 | - | - | - | - | - | 41,361,000 |
| FUND 1000 | COMM PAPER | 524685 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524686 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524687 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524688 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524689 | BONY | 93 RBC | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,998,333 | - | - | 1,667 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524697 | BONY | 93 DAIWA | | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.3 | 41,361,000 | 41,361,000 | - | - | 2,643 | - | - | 41,363,643 |
| FUND 1000 | COMM PAPER | 524706 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524707 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524708 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524709 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524710 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524711 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524712 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 1000 | COMM PAPER | 524713 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 1000 | COMM PAPER | 524714 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.38 | 2.38 | 35,000,000 | 34,997,686 | 2,314 | - | - | - | - | 34,997,686 |
| FUND 1000 | COMM PAPER | 524715 | BONY | 93 RBC | | 4/23/2019 | 4/30/2019 | 4/23/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524716 | BONY | 93 RBC | | 4/23/2019 | 4/30/2019 | 4/23/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 524717 | BONY | 93 RBC | | 4/23/2019 | 4/30/2019 | 4/23/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 524729 | BONY | 93 DAIWA | | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.35 | 2.35 | 39,266,000 | 39,266,000 | - | - | - | - | - | 39,266,000 |
| FUND 1000 | COMM PAPER | 524706 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524707 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524708 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524709 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524710 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524711 | BONY | 93 MERIL | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524712 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524713 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524714 | BONY | 93 RBC | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.38 | 2.38 | 35,000,000 | 34,997,686 | - | - | 2,314 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 524729 | BONY | 93 DAIWA | | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.35 | 2.35 | 39,266,000 | 39,266,000 | - | - | 2,563 | - | - | 39,268,563 |
| FUND 1000 | COMM PAPER | 524738 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/24/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524739 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/24/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524740 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/24/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | REPO INT | 524743 | BONY | 93 DAIWA | | 4/24/2019 | 4/25/2019 | 4/24/2019 | Purchased | 2.3 | 2.3 | 25,564,000 | 25,564,000 | - | - | - | - | - | 25,564,000 |
| FUND 1000 | COMM PAPER | 524738 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524739 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524740 | BONY | 93 RBC | | 4/24/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524743 | BONY | 93 DAIWA | | 4/24/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.3 | 2.3 | 25,564,000 | 25,564,000 | - | - | 1,633 | - | - | 25,565,633 |
| FUND 1000 | COMM PAPER | 524744 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524745 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524746 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524747 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524748 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,998,333 | 1,667 | - | - | - | - | 24,998,333 |
| FUND 1000 | REPO INT | 524752 | BONY | 93 DAIWA | | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.3 | 2.3 | 25,981,000 | 25,981,000 | - | - | - | - | - | 25,981,000 |
| FUND 1000 | COMM PAPER | 524744 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524745 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524746 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524747 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524748 | BONY | 93 MERIL | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,998,333 | - | - | 1,667 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524752 | BONY | 93 DAIWA | | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.3 | 2.3 | 25,981,000 | 25,981,000 | - | - | 1,660 | - | - | 25,982,660 |
| FUND 1000 | COMM PAPER | 524753 | BONY | 93 RBC | | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |
| FUND 1000 | COMM PAPER | 524754 | BONY | 93 RBC | | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 524755 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,990,000 | 10,000 | - | - | - | - | 49,990,000 |
| FUND 1000 | COMM PAPER | 524756 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.4 | 2.4 | 20,000,000 | 19,996,000 | 4,000 | - | - | - | - | 19,996,000 |
| FUND 1000 | REPO INT | 524758 | BONY | 93 | DAIWA | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.3 | 2.3 | 19,295,000 | 19,295,000 | - | - | - | - | - | 19,295,000 |
| FUND 1000 | COMM PAPER | 524753 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524754 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524755 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,990,000 | - | - | 10,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524756 | BONY | 93 | RBC | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.4 | 2.4 | 20,000,000 | 19,996,000 | - | - | 4,000 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524758 | BONY | 93 | DAIWA | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.3 | 2.3 | 19,295,000 | 19,295,000 | - | - | 3,698 | - | - | 19,298,698 |
| FUND 1000 | COMM PAPER | 524759 | BONY | 93 | RBC | 4/29/2019 | 5/1/2019 | 4/29/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,993,194 | 6,806 | - | - | - | - | 49,993,194 |
| FUND 1000 | COMM PAPER | 524760 | BONY | 93 | RBC | 4/29/2019 | 5/1/2019 | 4/29/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,993,194 | 6,806 | - | - | - | - | 49,993,194 |
| FUND 1000 | COMM PAPER | 524761 | BONY | 93 | RBC | 4/29/2019 | 4/30/2019 | 4/29/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524762 | BONY | 93 | RBC | 4/29/2019 | 4/30/2019 | 4/29/2019 | Purchased | 2.4 | 2.4 | 10,000,000 | 9,999,333 | 667 | - | - | - | - | 9,999,333 |
| FUND 1000 | REPO INT | 524764 | BONY | 93 | DAIWA | 4/29/2019 | 4/30/2019 | 4/29/2019 | Purchased | 2.4 | 2.4 | 31,309,000 | 31,309,000 | - | - | - | - | - | 31,309,000 |
| FUND 1000 | COMM PAPER | 524715 | BONY | 93 | RBC | 4/23/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524716 | BONY | 93 | RBC | 4/23/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524717 | BONY | 93 | RBC | 4/23/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524761 | BONY | 93 | RBC | 4/29/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524762 | BONY | 93 | RBC | 4/29/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.4 | 10,000,000 | 9,999,333 | - | - | 667 | - | - | 10,000,000 |
| FUND 1000 | REPO INT | 524764 | BONY | 93 | DAIWA | 4/29/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.4 | 31,309,000 | 31,309,000 | - | - | 2,087 | - | - | 31,311,087 |
| FUND 1000 | COMM PAPER | 524765 | BONY | 93 | RBC | 4/30/2019 | 5/1/2019 | 4/30/2019 | Purchased | 2.5 | 2.5 | 50,000,000 | 49,996,528 | 3,472 | - | - | - | - | 49,996,528 |
| FUND 1000 | COMM PAPER | 524766 | BONY | 93 | RBC | 4/30/2019 | 5/1/2019 | 4/30/2019 | Purchased | 2.5 | 2.5 | 50,000,000 | 49,996,528 | 3,472 | - | - | - | - | 49,996,528 |
| FUND 1000 | REPO INT | 524772 | BONY | 93 | DAIWA | 4/30/2019 | 5/1/2019 | 4/30/2019 | Purchased | 2.5 | 2.5 | 103,231,000 | 103,231,000 | - | - | - | - | - | 103,231,000 |
| FUND 1000 | COMM PAPER | 524759 | BONY | 93 | RBC | 4/29/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,993,194 | - | - | 6,806 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524760 | BONY | 93 | RBC | 4/29/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,993,194 | - | - | 6,806 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524765 | BONY | 93 | RBC | 4/30/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.5 | 2.5 | 50,000,000 | 49,996,528 | - | - | 3,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524766 | BONY | 93 | RBC | 4/30/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.5 | 2.5 | 50,000,000 | 49,996,528 | - | - | 3,472 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524772 | BONY | 93 | DAIWA | 4/30/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.5 | 2.5 | 103,231,000 | 103,231,000 | - | - | 7,169 | - | - | 103,238,169 |
| FUND 1000 | COMM PAPER | 524782 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,996,597 | 3,403 | - | - | - | - | 49,996,597 |
| FUND 1000 | COMM PAPER | 524783 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,996,597 | 3,403 | - | - | - | - | 49,996,597 |
| FUND 1000 | COMM PAPER | 524784 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,996,597 | 3,403 | - | - | - | - | 49,996,597 |
| FUND 1000 | COMM PAPER | 524785 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524786 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 524787 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.4 | 2.4 | 25,000,000 | 24,998,333 | 1,667 | - | - | - | - | 24,998,333 |
| FUND 1000 | REPO INT | 524795 | BONY | 93 | DAIWA | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.4 | 2.4 | 28,630,000 | 28,630,000 | - | - | - | - | - | 28,630,000 |
| FUND 1000 | COMM PAPER | 524782 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,996,597 | - | - | 3,403 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524783 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,996,597 | - | - | 3,403 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524784 | BONY | 93 | RBC | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,996,597 | - | - | 3,403 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524785 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524786 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524787 | BONY | 93 | MERIL | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.4 | 2.4 | 25,000,000 | 24,998,333 | - | - | 1,667 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524795 | BONY | 93 | DAIWA | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.4 | 2.4 | 28,630,000 | 28,630,000 | - | - | 1,909 | - | - | 28,631,909 |
| FUND 1000 | COMM PAPER | 524796 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524797 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524798 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524799 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524800 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.44 | 2.44 | 35,000,000 | 34,997,628 | 2,372 | - | - | - | - | 34,997,628 |
| FUND 1000 | REPO INT | 524807 | BONY | 93 | DAIWA | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.4 | 2.4 | 14,462,000 | 14,462,000 | - | - | - | - | - | 14,462,000 |
| FUND 1000 | COMM PAPER | 524796 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524797 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524798 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524799 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524800 | BONY | 93 | RBC | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.44 | 2.44 | 35,000,000 | 34,997,628 | - | - | 2,372 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 524807 | BONY | 93 | DAIWA | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.4 | 2.4 | 14,462,000 | 14,462,000 | - | - | 964 | - | - | 14,462,964 |
| FUND 1000 | COMM PAPER | 524808 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524809 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 524810 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | REPO INT | 524815 | BONY | 93 | DAIWA | 5/3/2019 | 5/6/2019 | 5/3/2019 | Purchased | 2.35 | 2.35 | 45,317,000 | 45,317,000 | - | - | - | - | - | 45,317,000 |
| FUND 1000 | COMM PAPER | 524808 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524809 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524810 | BONY | 93 | RBC | 5/3/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524815 | BONY | 93 | DAIWA | 5/3/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.35 | 2.35 | 45,317,000 | 45,317,000 | - | - | 8,875 | - | - | 45,325,875 |
| FUND 1000 | COMM PAPER | 524820 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 524821 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 524822 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | REPO INT | 524826 | BONY | 93 | DAIWA | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.4 | 2.4 | 46,054,000 | 46,054,000 | - | - | - | - | - | 46,054,000 |
| FUND 1000 | COMM PAPER | 524820 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524821 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524822 | BONY | 93 | MERIL | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524826 | BONY | 93 | DAIWA | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.4 | 2.4 | 46,054,000 | 46,054,000 | - | - | 3,070 | - | - | 46,057,070 |
| FUND 1000 | COMM PAPER | 524828 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/7/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,996,597 | 3,403 | - | - | - | - | 49,996,597 |
| FUND 1000 | COMM PAPER | 524829 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/7/2019 | Purchased | 2.45 | 2.45 | 45,000,000 | 44,996,938 | 3,063 | - | - | - | - | 44,996,938 |
| FUND 1000 | COMM PAPER | 524830 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/7/2019 | Purchased | 2.45 | 2.45 | 50,000,000 | 49,996,597 | 3,403 | - | - | - | - | 49,996,597 |
| FUND 1000 | REPO INT | 524838 | BONY | 93 | DAIWA | 5/7/2019 | 5/8/2019 | 5/7/2019 | Purchased | 2.4 | 2.4 | 24,947,000 | 24,947,000 | - | - | - | - | - | 24,947,000 |
| FUND 1000 | COMM PAPER | 524828 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/8/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,996,597 | - | - | 3,403 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524829 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/8/2019 | Matured | 2.45 | 2.45 | 45,000,000 | 44,996,938 | - | - | 3,063 | - | - | 45,000,000 |
| FUND 1000 | COMM PAPER | 524830 | BONY | 93 | RBC | 5/7/2019 | 5/8/2019 | 5/8/2019 | Matured | 2.45 | 2.45 | 50,000,000 | 49,996,597 | - | - | 3,403 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524838 | BONY | 93 | DAIWA | 5/7/2019 | 5/8/2019 | 5/8/2019 | Matured | 2.4 | 2.4 | 24,947,000 | 24,947,000 | - | - | 1,663 | - | - | 24,948,663 |
| FUND 1000 | COMM PAPER | 524840 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/8/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524841 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/8/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524842 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/8/2019 | Purchased | 2.44 | 2.44 | 50,000,000 | 49,996,611 | 3,389 | - | - | - | - | 49,996,611 |
| FUND 1000 | COMM PAPER | 524843 | BONY | 93 | MERIL | 5/8/2019 | 5/15/2019 | 5/8/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | COMM PAPER | 524844 | BONY | 93 | MERIL | 5/8/2019 | 5/15/2019 | 5/8/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,976,861 | 23,139 | - | - | - | - | 49,976,861 |
| FUND 1000 | REPO INT | 524847 | BONY | 93 | DAIWA | 5/8/2019 | 5/9/2019 | 5/8/2019 | Purchased | 2.35 | 2.35 | 30,864,000 | 30,864,000 | - | - | - | - | - | 30,864,000 |
| FUND 1000 | T-BILL | 523631 | BONY | 93 | DAIWA | 1/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.395 | 2.413 | 50,000,000 | 49,620,792 | - | - | 379,208 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 523632 | BONY | 93 | DAIWA | 1/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.395 | 2.413 | 50,000,000 | 49,620,792 | - | - | 379,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524840 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524841 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524842 | BONY | 93 | MERIL | 5/8/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.44 | 2.44 | 50,000,000 | 49,996,611 | - | - | 3,389 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524847 | BONY | 93 | DAIWA | 5/8/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.35 | 2.35 | 30,864,000 | 30,864,000 | - | - | 2,015 | - | - | 30,866,015 |
| FUND 1000 | COMM PAPER | 524861 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/9/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524862 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/9/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524863 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/9/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 524864 | BONY | 93 | RBC | 5/9/2019 | 5/14/2019 | 5/9/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,983,681 | 16,319 | - | - | - | - | 49,983,681 |
| FUND 1000 | COMM PAPER | 524865 | BONY | 93 | RBC | 5/9/2019 | 5/14/2019 | 5/9/2019 | Purchased | 2.35 | 2.351 | 40,000,000 | 39,986,944 | 13,056 | - | - | - | - | 39,986,944 |
| FUND 1000 | REPO INT | 524870 | BONY | 93 | DAIWA | 5/9/2019 | 5/10/2019 | 5/9/2019 | Purchased | 2.35 | 2.35 | 26,836,000 | 26,836,000 | - | - | - | - | - | 26,836,000 |
| FUND 1000 | COMM PAPER | 524861 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524862 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524863 | BONY | 93 | RBC | 5/9/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524870 | BONY | 93 | DAIWA | 5/9/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.35 | 2.35 | 26,836,000 | 26,836,000 | - | - | 1,752 | - | - | 26,837,752 |
| FUND 1000 | COMM PAPER | 524871 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524872 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524873 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,989,875 | 10,125 | - | - | - | - | 49,989,875 |
| FUND 1000 | COMM PAPER | 524874 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 524875 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.35 | 2.35 | 25,000,000 | 24,995,104 | 4,896 | - | - | - | - | 24,995,104 |
| FUND 1000 | REPO INT | 524883 | BONY | 93 | DAIWA | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.35 | 2.35 | 36,812,000 | 36,812,000 | - | - | - | - | - | 36,812,000 |
| FUND 1000 | COMM PAPER | 524871 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524872 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524873 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,989,875 | - | - | 10,125 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524874 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524875 | BONY | 93 | MERIL | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.35 | 2.35 | 25,000,000 | 24,995,104 | - | - | 4,896 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 524883 | BONY | 93 | DAIWA | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.35 | 2.35 | 36,812,000 | 36,812,000 | - | - | 7,209 | - | - | 36,819,209 |
| FUND 1000 | COMM PAPER | 524887 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524888 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524889 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524890 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524891 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.37 | 2.37 | 40,000,000 | 39,997,367 | 2,633 | - | - | - | - | 39,997,367 |
| FUND 1000 | REPO INT | 524894 | BONY | 93 | DAIWA | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.35 | 2.35 | 53,161,000 | 53,161,000 | - | - | - | - | - | 53,161,000 |
| FUND 1000 | COMM PAPER | 524864 | BONY | 93 | RBC | 5/9/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,983,681 | - | - | 16,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524865 | BONY | 93 | RBC | 5/9/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.35 | 2.351 | 40,000,000 | 39,986,944 | - | - | 13,056 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 524887 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524888 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524889 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524890 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524891 | BONY | 93 | MERIL | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.37 | 2.37 | 40,000,000 | 39,997,367 | - | - | 2,633 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 524894 | BONY | 93 | DAIWA | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.35 | 2.35 | 53,161,000 | 53,161,000 | - | - | 3,470 | - | - | 53,164,470 |
| FUND 1000 | COMM PAPER | 524896 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524897 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524898 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524899 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524900 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.37 | 2.37 | 30,000,000 | 29,998,025 | 1,975 | - | - | - | - | 29,998,025 |
| FUND 1000 | COMM PAPER | 524901 | BONY | 93 | WELLB | 5/14/2019 | 5/28/2019 | 5/14/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 1000 | COMM PAPER | 524902 | BONY | 93 | WELLB | 5/14/2019 | 5/28/2019 | 5/14/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 1000 | REPO INT | 524908 | BONY | 93 | DAIWA | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.35 | 2.35 | 33,326,000 | 33,326,000 | - | - | - | - | - | 33,326,000 |
| FUND 1000 | COMM PAPER | 524843 | BONY | 93 | MERIL | 5/8/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524844 | BONY | 93 | MERIL | 5/8/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,976,861 | - | - | 23,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524896 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524897 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524898 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524899 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524900 | BONY | 93 | MERIL | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.37 | 2.37 | 30,000,000 | 29,998,025 | - | - | 1,975 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 524908 | BONY | 93 | DAIWA | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.35 | 2.35 | 33,326,000 | 33,326,000 | - | - | 2,175 | - | - | 33,328,175 |
| FUND 1000 | COMM PAPER | 524914 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524915 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524916 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524917 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524918 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.37 | 2.37 | 30,000,000 | 29,998,025 | 1,975 | - | - | - | - | 29,998,025 |
| FUND 1000 | COMM PAPER | 524919 | BONY | 93 | MERIL | 5/15/2019 | 5/29/2019 | 5/15/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | COMM PAPER | 524920 | BONY | 93 | MERIL | 5/15/2019 | 5/29/2019 | 5/15/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 1000 | REPO INT | 524949 | BONY | 93 | DAIWA | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.4 | 2.4 | 29,473,000 | 29,473,000 | - | - | - | - | - | 29,473,000 |
| FUND 1000 | COMM PAPER | 524914 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524915 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524916 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524917 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524918 | BONY | 93 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.37 | 2.37 | 30,000,000 | 29,998,025 | - | - | 1,975 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 524949 | BONY | 93 | DAIWA | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.4 | 2.4 | 29,473,000 | 29,473,000 | - | - | 1,965 | - | - | 29,474,965 |
| FUND 1000 | COMM PAPER | 524956 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524957 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524958 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 524959 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524960 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524961 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 524962 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 524963 | BONY | 93 | RBC | 5/16/2019 | 5/28/2019 | 5/16/2019 | Purchased | 2.37 | 2.372 | 50,000,000 | 49,960,500 | 39,500 | - | - | - | - | 49,960,500 |
| FUND 1000 | REPO INT | 524974 | BONY | 93 | DAIWA | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.4 | 2.4 | 21,041,000 | 21,041,000 | - | - | - | - | - | 21,041,000 |
| FUND 1000 | COMM PAPER | 524956 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524957 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524958 | BONY | 93 | MERIL | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524959 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524960 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524961 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524962 | BONY | 93 | RBC | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 524974 | BONY | 93 | DAIWA | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.4 | 2.4 | 21,041,000 | 21,041,000 | - | - | 1,403 | - | - | 21,042,403 |
| FUND 1000 | COMM PAPER | 524980 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524981 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524982 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 524983 | BONY | 93 | RBC | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 524984 | BONY | 93 | RBC | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.35 | 2.35 | 20,000,000 | 19,996,083 | 3,917 | - | - | - | - | 19,996,083 |
| FUND 1000 | REPO INT | 524987 | BONY | 93 | DAIWA | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.35 | 2.35 | 33,615,000 | 33,615,000 | - | - | - | - | - | 33,615,000 |
| FUND 1000 | COMM PAPER | 524980 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524981 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524982 | BONY | 93 | MERIL | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524983 | BONY | 93 | RBC | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524984 | BONY | 93 | RBC | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.35 | 2.35 | 20,000,000 | 19,996,083 | - | - | 3,917 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 524987 | BONY | 93 | DAIWA | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.35 | 2.35 | 33,615,000 | 33,615,000 | - | - | 6,583 | - | - | 33,621,583 |
| FUND 1000 | COMM PAPER | 524991 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 524992 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 524993 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 524994 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 524995 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | REPO INT | 525002 | BONY | 93 | DAIWA | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.3 | 2.3 | 76,654,000 | 76,654,000 | - | - | - | - | - | 76,654,000 |
| FUND 1000 | COMM PAPER | 524991 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524992 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524993 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524994 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524995 | BONY | 93 | RBC | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525002 | BONY | 93 | DAIWA | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.3 | 2.3 | 76,654,000 | 76,654,000 | - | - | 4,897 | - | - | 76,658,897 |
| FUND 1000 | COMM PAPER | 525004 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525005 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525006 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525007 | BONY | 93 | MERIL | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525008 | BONY | 93 | MERIL | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | REPO INT | 525026 | BONY | 93 | DAIWA | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.3 | 2.3 | 37,194,000 | 37,194,000 | - | - | - | - | - | 37,194,000 |
| FUND 1000 | COMM PAPER | 525004 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525005 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525006 | BONY | 93 | RBC | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525007 | BONY | 93 | MERIL | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525008 | BONY | 93 | MERIL | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525026 | BONY | 93 | DAIWA | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.3 | 2.3 | 37,194,000 | 37,194,000 | - | - | 2,376 | - | - | 37,196,376 |
| FUND 1000 | COMM PAPER | 525058 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525059 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525060 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525061 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.37 | 2.37 | 50,000,000 | 49,996,708 | 3,292 | - | - | - | - | 49,996,708 |
| FUND 1000 | COMM PAPER | 525062 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.37 | 2.37 | 25,000,000 | 24,998,354 | 1,646 | - | - | - | - | 24,998,354 |
| FUND 1000 | REPO INT | 525064 | BONY | 93 | DAIWA | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.3 | 2.3 | 22,209,000 | 22,209,000 | - | - | - | - | - | 22,209,000 |
| FUND 1000 | COMM PAPER | 525058 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525059 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525060 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525061 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.37 | 2.37 | 50,000,000 | 49,996,708 | - | - | 3,292 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525062 | BONY | 93 | MERIL | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.37 | 2.37 | 25,000,000 | 24,998,354 | - | - | 1,646 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525064 | BONY | 93 | DAIWA | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.3 | 2.3 | 22,209,000 | 22,209,000 | - | - | 1,419 | - | - | 22,210,419 |
| FUND 1000 | COMM PAPER | 525074 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525075 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525076 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525077 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.35 | 2.35 | 30,000,000 | 29,998,042 | 1,958 | - | - | - | - | 29,998,042 |
| FUND 1000 | REPO INT | 525085 | BONY | 93 | DAIWA | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.3 | 2.3 | 5,288,000 | 5,288,000 | - | - | - | - | - | 5,288,000 |
| FUND 1000 | COMM PAPER | 525074 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525075 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525076 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525077 | BONY | 93 | RBC | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.35 | 2.35 | 30,000,000 | 29,998,042 | - | - | 1,958 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525085 | BONY | 93 | DAIWA | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.3 | 2.3 | 5,288,000 | 5,288,000 | - | - | 338 | - | - | 5,288,338 |
| FUND 1000 | COMM PAPER | 525088 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.42 | 2.421 | 50,000,000 | 49,986,556 | 13,444 | - | - | - | - | 49,986,556 |
| FUND 1000 | COMM PAPER | 525089 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.42 | 2.421 | 50,000,000 | 49,986,556 | 13,444 | - | - | - | - | 49,986,556 |
| FUND 1000 | COMM PAPER | 525090 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.42 | 2.421 | 50,000,000 | 49,986,556 | 13,444 | - | - | - | - | 49,986,556 |
| FUND 1000 | COMM PAPER | 525091 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,986,944 | 13,056 | - | - | - | - | 49,986,944 |
| FUND 1000 | COMM PAPER | 525092 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,986,944 | 13,056 | - | - | - | - | 49,986,944 |
| FUND 1000 | COMM PAPER | 525093 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,986,944 | 13,056 | - | - | - | - | 49,986,944 |
| FUND 1000 | COMM PAPER | 525094 | BONY | 93 | MERIL | 5/24/2019 | 6/3/2019 | 5/24/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,967,639 | 32,361 | - | - | - | - | 49,967,639 |
| FUND 1000 | COMM PAPER | 525095 | BONY | 93 | MERIL | 5/24/2019 | 6/3/2019 | 5/24/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,967,639 | 32,361 | - | - | - | - | 49,967,639 |
| FUND 1000 | REPO INT | 525105 | BONY | 93 | DAIWA | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.3 | 2.3 | 61,709,000 | 61,709,000 | - | - | - | - | - | 61,709,000 |
| FUND 1000 | COMM PAPER | 524901 | BONY | 93 | WELLB | 5/14/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524902 | BONY | 93 | WELLB | 5/14/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524963 | BONY | 93 | RBC | 5/16/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.37 | 2.372 | 50,000,000 | 49,960,500 | - | - | 39,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525088 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.42 | 2.421 | 50,000,000 | 49,986,556 | - | - | 13,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525089 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.42 | 2.421 | 50,000,000 | 49,986,556 | - | - | 13,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525090 | BONY | 93 | MERIL | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.42 | 2.421 | 50,000,000 | 49,986,556 | - | - | 13,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525091 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,986,944 | - | - | 13,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525092 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,986,944 | - | - | 13,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525093 | BONY | 93 | RBC | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,986,944 | - | - | 13,056 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525105 | BONY | 93 | DAIWA | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.3 | 2.3 | 61,709,000 | 61,709,000 | - | - | 15,770 | - | - | 61,724,770 |
| FUND 1000 | COMM PAPER | 525108 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525109 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525110 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525111 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525112 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525113 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525114 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525115 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.35 | 2.35 | 30,000,000 | 29,998,042 | 1,958 | - | - | - | - | 29,998,042 |
| FUND 1000 | COMM PAPER | 525116 | BONY | 93 | WELLB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | COMM PAPER | 525117 | BONY | 93 | WELLB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | COMM PAPER | 525118 | BONY | 93 | WELLB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | REPO INT | 525125 | BONY | 93 | DAIWA | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.3 | 2.3 | 31,534,000 | 31,534,000 | - | - | - | - | - | 31,534,000 |
| FUND 1000 | FFCB DISC | 524498 | BONY | 93 | DAIWA | 4/3/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.38 | 2.389 | 25,000,000 | 24,907,444 | - | - | 92,556 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 524919 | BONY | 93 | MERIL | 5/15/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 524920 | BONY | 93 | MERIL | 5/15/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525108 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525109 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525110 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525111 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525112 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525113 | BONY | 93 | RBC | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525114 | BONY | 93 RBC | | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525115 | BONY | 93 RBC | | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.35 | 2.35 | 30,000,000 | 29,998,042 | - | - | 1,958 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525125 | BONY | 93 DAIWA | | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.3 | 2.3 | 31,534,000 | 31,534,000 | - | - | 2,015 | - | - | 31,536,015 |
| FUND 1000 | COMM PAPER | 525126 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525127 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525128 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525129 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525130 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525131 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525132 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 525133 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 525134 | BONY | 93 MERIL | | 5/29/2019 | 6/5/2019 | 5/29/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | COMM PAPER | 525135 | BONY | 93 MERIL | | 5/29/2019 | 6/5/2019 | 5/29/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | REPO INT | 525138 | BONY | 93 DAIWA | | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.3 | 2.3 | 36,818,000 | 36,818,000 | - | - | - | - | - | 36,818,000 |
| FUND 1000 | COMM PAPER | 525126 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525127 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525128 | BONY | 93 MERIL | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525129 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525130 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525131 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525132 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525133 | BONY | 93 RBC | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525138 | BONY | 93 DAIWA | | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.3 | 2.3 | 36,818,000 | 36,818,000 | - | - | 2,352 | - | - | 36,820,352 |
| FUND 1000 | COMM PAPER | 525147 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525148 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525149 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525150 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525151 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525152 | BONY | 93 RBC | | 5/30/2019 | 6/3/2019 | 5/30/2019 | Purchased | 2.31 | 2.311 | 45,000,000 | 44,988,450 | 11,550 | - | - | - | - | 44,988,450 |
| FUND 1000 | REPO INT | 525159 | BONY | 93 DAIWA | | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.3 | 2.3 | 30,156,000 | 30,156,000 | - | - | - | - | - | 30,156,000 |
| FUND 1000 | COMM PAPER | 525147 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525148 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525149 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525150 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525151 | BONY | 93 RBC | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525159 | BONY | 93 DAIWA | | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.3 | 2.3 | 30,156,000 | 30,156,000 | - | - | 1,927 | - | - | 30,157,927 |
| FUND 1000 | COMM PAPER | 525161 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 5/31/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525162 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 5/31/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525163 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 5/31/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | REPO INT | 525170 | BONY | 93 DAIWA | | 5/31/2019 | 6/3/2019 | 5/31/2019 | Purchased | 2.3 | 2.3 | 60,661,000 | 60,661,000 | - | - | - | - | - | 60,661,000 |
| FUND 1000 | COMM PAPER | 525094 | BONY | 93 MERIL | | 5/24/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,967,639 | - | - | 32,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525095 | BONY | 93 MERIL | | 5/24/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,967,639 | - | - | 32,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525152 | BONY | 93 RBC | | 5/30/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.31 | 2.311 | 45,000,000 | 44,988,450 | - | - | 11,550 | - | - | 45,000,000 |
| FUND 1000 | COMM PAPER | 525161 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525162 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525163 | BONY | 93 MERIL | | 5/31/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525170 | BONY | 93 DAIWA | | 5/31/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.3 | 2.3 | 60,661,000 | 60,661,000 | - | - | 11,627 | - | - | 60,672,627 |
| FUND 1000 | COMM PAPER | 525173 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525174 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525175 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525176 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 1000 | COMM PAPER | 525177 | BONY | 93 MERIL | | 6/3/2019 | 6/10/2019 | 6/3/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 525178 | BONY | 93 MERIL | | 6/3/2019 | 6/10/2019 | 6/3/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | REPO INT | 525185 | BONY | 93 DAIWA | | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.3 | 2.3 | 27,947,000 | 27,947,000 | - | - | - | - | - | 27,947,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525116 | BONY | 93 WELLB | | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525117 | BONY | 93 WELLB | | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525118 | BONY | 93 WELLB | | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525173 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525174 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525175 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525176 | BONY | 93 MERIL | | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525185 | BONY | 93 DAIWA | | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.3 | 2.3 | 27,947,000 | 27,947,000 | - | - | 1,786 | - | - | 27,948,786 |
| FUND 1000 | COMM PAPER | 525197 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525198 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525199 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525200 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525201 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525202 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.35 | 2.35 | 25,000,000 | 24,998,368 | 1,632 | - | - | - | - | 24,998,368 |
| FUND 1000 | COMM PAPER | 525203 | BONY | 93 WELLB | | 6/4/2019 | 6/11/2019 | 6/4/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | COMM PAPER | 525204 | BONY | 93 WELLB | | 6/4/2019 | 6/11/2019 | 6/4/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | REPO INT | 525219 | BONY | 93 DAIWA | | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.3 | 2.3 | 37,967,000 | 37,967,000 | - | - | - | - | - | 37,967,000 |
| FUND 1000 | COMM PAPER | 525134 | BONY | 93 MERIL | | 5/29/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525135 | BONY | 93 MERIL | | 5/29/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525197 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525198 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525199 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525200 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525201 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525202 | BONY | 93 RBC | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.35 | 2.35 | 25,000,000 | 24,998,368 | - | - | 1,632 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525219 | BONY | 93 DAIWA | | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.3 | 2.3 | 37,967,000 | 37,967,000 | - | - | 2,426 | - | - | 37,969,426 |
| FUND 1000 | COMM PAPER | 525222 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525223 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525224 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525225 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525226 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525227 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.35 | 2.35 | 35,000,000 | 34,997,715 | 2,285 | - | - | - | - | 34,997,715 |
| FUND 1000 | COMM PAPER | 525228 | BONY | 93 RBC | | 6/5/2019 | 6/12/2019 | 6/5/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,977,250 | 22,750 | - | - | - | - | 49,977,250 |
| FUND 1000 | COMM PAPER | 525229 | BONY | 93 RBC | | 6/5/2019 | 6/12/2019 | 6/5/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,977,250 | 22,750 | - | - | - | - | 49,977,250 |
| FUND 1000 | COMM PAPER | 525230 | BONY | 93 RBC | | 6/5/2019 | 6/14/2019 | 6/5/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,970,750 | 29,250 | - | - | - | - | 49,970,750 |
| FUND 1000 | COMM PAPER | 525231 | BONY | 93 RBC | | 6/5/2019 | 6/14/2019 | 6/5/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,970,750 | 29,250 | - | - | - | - | 49,970,750 |
| FUND 1000 | REPO INT | 525233 | BONY | 93 DAIWA | | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.3 | 2.3 | 36,811,000 | 36,811,000 | - | - | - | - | - | 36,811,000 |
| FUND 1000 | COMM PAPER | 525222 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525223 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525224 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525225 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525226 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525227 | BONY | 93 MERIL | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.35 | 2.35 | 35,000,000 | 34,997,715 | - | - | 2,285 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 525233 | BONY | 93 DAIWA | | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.3 | 2.3 | 36,811,000 | 36,811,000 | - | - | 2,352 | - | - | 36,813,352 |
| FUND 1000 | COMM PAPER | 525234 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525235 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525236 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525237 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525238 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525239 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.35 | 2.35 | 10,000,000 | 9,999,347 | 653 | - | - | - | - | 9,999,347 |
| FUND 1000 | REPO INT | 525246 | BONY | 93 DAIWA | | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.3 | 2.3 | 26,645,000 | 26,645,000 | - | - | - | - | - | 26,645,000 |
| FUND 1000 | COMM PAPER | 525234 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525235 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525236 | BONY | 93 MERIL | | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525237 | BONY | 93 | MERIL | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525238 | BONY | 93 | MERIL | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525239 | BONY | 93 | MERIL | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.35 | 2.35 | 10,000,000 | 9,999,347 | - | - | 653 | - | - | 10,000,000 |
| FUND 1000 | REPO INT | 525246 | BONY | 93 | DAIWA | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.3 | 2.3 | 26,645,000 | 26,645,000 | - | - | 1,702 | - | - | 26,646,702 |
| FUND 1000 | COMM PAPER | 525250 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/7/2019 | Purchased | 2.423 | 2.423 | 50,000,000 | 49,989,906 | 10,094 | - | - | - | - | 49,989,906 |
| FUND 1000 | COMM PAPER | 525251 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/7/2019 | Purchased | 2.423 | 2.423 | 50,000,000 | 49,989,906 | 10,094 | - | - | - | - | 49,989,906 |
| FUND 1000 | COMM PAPER | 525252 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/7/2019 | Purchased | 2.423 | 2.423 | 50,000,000 | 49,989,906 | 10,094 | - | - | - | - | 49,989,906 |
| FUND 1000 | COMM PAPER | 525253 | BONY | 93 | RBC | 6/7/2019 | 6/14/2019 | 6/7/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | REPO INT | 525255 | BONY | 93 | DAIWA | 6/7/2019 | 6/10/2019 | 6/7/2019 | Purchased | 2.3 | 2.3 | 39,884,000 | 39,884,000 | - | - | - | - | - | 39,884,000 |
| FUND 1000 | COMM PAPER | 525177 | BONY | 93 | MERIL | 6/3/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525178 | BONY | 93 | MERIL | 6/3/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525250 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.423 | 2.423 | 50,000,000 | 49,989,906 | - | - | 10,094 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525251 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.423 | 2.423 | 50,000,000 | 49,989,906 | - | - | 10,094 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525252 | BONY | 93 | RBC | 6/7/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.423 | 2.423 | 50,000,000 | 49,989,906 | - | - | 10,094 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525255 | BONY | 93 | DAIWA | 6/7/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.3 | 2.3 | 39,884,000 | 39,884,000 | - | - | 7,644 | - | - | 39,891,644 |
| FUND 1000 | COMM PAPER | 525257 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/10/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525258 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/10/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525259 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/10/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525260 | BONY | 93 | MERIL | 6/10/2019 | 6/17/2019 | 6/10/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 525261 | BONY | 93 | MERIL | 6/10/2019 | 6/17/2019 | 6/10/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | REPO INT | 525264 | BONY | 93 | DAIWA | 6/10/2019 | 6/11/2019 | 6/10/2019 | Purchased | 2.3 | 2.3 | 28,952,000 | 28,952,000 | - | - | - | - | - | 28,952,000 |
| FUND 1000 | FRED MAC | 524118 | BONY | 93 | DAIWA | 2/26/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.42 | 2.437 | 50,000,000 | 49,647,083 | - | - | 352,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525203 | BONY | 93 | WELLB | 6/4/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525204 | BONY | 93 | WELLB | 6/4/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525257 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525258 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525259 | BONY | 93 | RBC | 6/10/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525264 | BONY | 93 | DAIWA | 6/10/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.3 | 2.3 | 28,952,000 | 28,952,000 | - | - | 1,850 | - | - | 28,953,850 |
| FUND 1000 | COMM PAPER | 525265 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525266 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525267 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525268 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525269 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.35 | 2.35 | 35,000,000 | 34,997,715 | 2,285 | - | - | - | - | 34,997,715 |
| FUND 1000 | COMM PAPER | 525270 | BONY | 93 | WELLB | 6/11/2019 | 6/18/2019 | 6/11/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | COMM PAPER | 525271 | BONY | 93 | WELLB | 6/11/2019 | 6/18/2019 | 6/11/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | REPO INT | 525289 | BONY | 93 | DAIWA | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.3 | 2.3 | 40,617,000 | 40,617,000 | - | - | - | - | - | 40,617,000 |
| FUND 1000 | COMM PAPER | 525228 | BONY | 93 | RBC | 6/5/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,977,250 | - | - | 22,750 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525229 | BONY | 93 | RBC | 6/5/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,977,250 | - | - | 22,750 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525265 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525266 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525267 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525268 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525269 | BONY | 93 | MERIL | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.35 | 2.35 | 35,000,000 | 34,997,715 | - | - | 2,285 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 525289 | BONY | 93 | DAIWA | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.3 | 2.3 | 40,617,000 | 40,617,000 | - | - | 2,595 | - | - | 40,619,595 |
| FUND 1000 | COMM PAPER | 525291 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525292 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525293 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525294 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525295 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525296 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525297 | BONY | 93 | WELLB | 6/12/2019 | 6/19/2019 | 6/12/2019 | Purchased | 2.36 | 2.361 | 50,000,000 | 49,977,056 | 22,944 | - | - | - | - | 49,977,056 |
| FUND 1000 | REPO INT | 525299 | BONY | 93 | DAIWA | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.3 | 2.3 | 54,988,000 | 54,988,000 | - | - | - | - | - | 54,988,000 |
| FUND 1000 | COMM PAPER | 525291 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525292 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525293 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525294 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525295 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525296 | BONY | 93 | RBC | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525299 | BONY | 93 | DAIWA | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.3 | 2.3 | 54,988,000 | 54,988,000 | - | - | 3,513 | - | - | 54,991,513 |
| FUND 1000 | COMM PAPER | 525311 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525312 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525313 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525314 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525315 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.35 | 2.35 | 20,000,000 | 19,998,694 | 1,306 | - | - | - | - | 19,998,694 |
| FUND 1000 | COMM PAPER | 525316 | BONY | 93 | RBC | 6/13/2019 | 6/27/2019 | 6/13/2019 | Purchased | 2.363 | 2.365 | 50,000,000 | 49,954,063 | 45,938 | - | - | - | - | 49,954,063 |
| FUND 1000 | REPO INT | 525320 | BONY | 93 | DAIWA | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.3 | 2.3 | 42,467,000 | 42,467,000 | - | - | - | - | - | 42,467,000 |
| FUND 1000 | COMM PAPER | 525230 | BONY | 93 | RBC | 6/5/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,970,750 | - | - | 29,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525231 | BONY | 93 | RBC | 6/5/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,970,750 | - | - | 29,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525253 | BONY | 93 | RBC | 6/7/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525311 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525312 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525313 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525314 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525315 | BONY | 93 | RBC | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.35 | 2.35 | 20,000,000 | 19,998,694 | - | - | 1,306 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 525320 | BONY | 93 | DAIWA | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.3 | 2.3 | 42,467,000 | 42,467,000 | - | - | 2,713 | - | - | 42,469,713 |
| FUND 1000 | COMM PAPER | 525328 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525329 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525330 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525331 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.42 | 2.42 | 15,000,000 | 14,996,975 | 3,025 | - | - | - | - | 14,996,975 |
| FUND 1000 | REPO INT | 525341 | BONY | 93 | DAIWA | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.3 | 2.3 | 39,245,000 | 39,245,000 | - | - | - | - | - | 39,245,000 |
| FUND 1000 | COMM PAPER | 525260 | BONY | 93 | MERIL | 6/10/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525261 | BONY | 93 | MERIL | 6/10/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525328 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525329 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525330 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525331 | BONY | 93 | MERIL | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.42 | 2.42 | 15,000,000 | 14,996,975 | - | - | 3,025 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 525341 | BONY | 93 | DAIWA | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.3 | 2.3 | 39,245,000 | 39,245,000 | - | - | 7,522 | - | - | 39,252,522 |
| FUND 1000 | COMM PAPER | 525343 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525344 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525345 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525346 | BONY | 93 | MERIL | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525347 | BONY | 93 | MERIL | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.35 | 2.35 | 15,000,000 | 14,999,021 | 979 | - | - | - | - | 14,999,021 |
| FUND 1000 | COMM PAPER | 525348 | BONY | 93 | MERIL | 6/17/2019 | 6/24/2019 | 6/17/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 1000 | REPO INT | 525356 | BONY | 93 | DAIWA | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.3 | 2.3 | 59,661,000 | 59,661,000 | - | - | - | - | - | 59,661,000 |
| FUND 1000 | COMM PAPER | 525270 | BONY | 93 | WELLB | 6/11/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525271 | BONY | 93 | WELLB | 6/11/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525343 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525344 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525345 | BONY | 93 | RBC | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525346 | BONY | 93 | MERIL | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525347 | BONY | 93 | MERIL | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.35 | 2.35 | 15,000,000 | 14,999,021 | - | - | 979 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 525356 | BONY | 93 | DAIWA | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.3 | 2.3 | 59,661,000 | 59,661,000 | - | - | 3,812 | - | - | 59,664,812 |
| FUND 1000 | COMM PAPER | 525364 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525365 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525366 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.403 | 2.403 | 50,000,000 | 49,996,663 | 3,337 | - | - | - | - | 49,996,663 |
| FUND 1000 | COMM PAPER | 525367 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525368 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525369 | BONY | 93 | RBC | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525370 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525371 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.35 | 2.35 | 25,000,000 | 24,998,368 | 1,632 | - | - | - | - | 24,998,368 |
| FUND 1000 | COMM PAPER | 525372 | BONY | 93 MERIL | | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 1000 | COMM PAPER | 525373 | BONY | 93 MERIL | | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 1000 | COMM PAPER | 525374 | BONY | 93 MERIL | | 6/18/2019 | 7/2/2019 | 6/18/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,954,694 | 45,306 | - | - | - | - | 49,954,694 |
| FUND 1000 | COMM PAPER | 525375 | BONY | 93 MERIL | | 6/18/2019 | 7/2/2019 | 6/18/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,954,694 | 45,306 | - | - | - | - | 49,954,694 |
| FUND 1000 | REPO INT | 525386 | BONY | 93 DAIWA | | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.3 | 2.3 | 46,332,000 | 46,332,000 | - | - | - | - | - | 46,332,000 |
| FUND 1000 | COMM PAPER | 525297 | BONY | 93 WELLB | | 6/12/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.36 | 2.361 | 50,000,000 | 49,977,056 | - | - | 22,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525364 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525365 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525366 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.403 | 2.403 | 50,000,000 | 49,996,663 | - | - | 3,337 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525367 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525368 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525369 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525370 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525371 | BONY | 93 RBC | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.35 | 2.35 | 25,000,000 | 24,998,368 | - | - | 1,632 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525386 | BONY | 93 DAIWA | | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.3 | 2.3 | 46,332,000 | 46,332,000 | - | - | 2,960 | - | - | 46,334,960 |
| FUND 1000 | COMM PAPER | 525387 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/19/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,983,472 | 16,528 | - | - | - | - | 49,983,472 |
| FUND 1000 | COMM PAPER | 525388 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/19/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,983,472 | 16,528 | - | - | - | - | 49,983,472 |
| FUND 1000 | COMM PAPER | 525389 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/19/2019 | Purchased | 2.38 | 2.381 | 50,000,000 | 49,983,472 | 16,528 | - | - | - | - | 49,983,472 |
| FUND 1000 | COMM PAPER | 525390 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525391 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525392 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525393 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525394 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.35 | 2.35 | 25,000,000 | 24,998,368 | 1,632 | - | - | - | - | 24,998,368 |
| FUND 1000 | REPO INT | 525398 | BONY | 93 DAIWA | | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.3 | 2.3 | 79,319,000 | 79,319,000 | - | - | - | - | - | 79,319,000 |
| FUND 1000 | COMM PAPER | 525390 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525391 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525392 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525393 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525394 | BONY | 93 RBC | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.35 | 2.35 | 25,000,000 | 24,998,368 | - | - | 1,632 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525398 | BONY | 93 DAIWA | | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.3 | 2.3 | 79,319,000 | 79,319,000 | - | - | 5,068 | - | - | 79,324,068 |
| FUND 1000 | COMM PAPER | 525399 | BONY | 93 RBC | | 6/20/2019 | 6/24/2019 | 6/20/2019 | Purchased | 2.403 | 2.403 | 45,000,000 | 44,987,988 | 12,013 | - | - | - | - | 44,987,988 |
| FUND 1000 | COMM PAPER | 525400 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525401 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525402 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525403 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525404 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | REPO INT | 525408 | BONY | 93 DAIWA | | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.3 | 2.3 | 10,812,000 | 10,812,000 | - | - | - | - | - | 10,812,000 |
| FUND 1000 | COMM PAPER | 525400 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525401 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525402 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525403 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525404 | BONY | 93 RBC | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525408 | BONY | 93 DAIWA | | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.3 | 2.3 | 10,812,000 | 10,812,000 | - | - | 691 | - | - | 10,812,691 |
| FUND 1000 | COMM PAPER | 525409 | BONY | 93 MERIL | | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525410 | BONY | 93 MERIL | | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525411 | BONY | 93 MERIL | | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525412 | BONY | 93 MERIL | | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | REPO INT | 525416 | BONY | 93 DAIWA | | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.3 | 2.3 | 46,164,000 | 46,164,000 | - | - | - | - | - | 46,164,000 |
| FUND 1000 | COMM PAPER | 525348 | BONY | 93 MERIL | | 6/17/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525387 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,983,472 | - | - | 16,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525388 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,983,472 | - | - | 16,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525389 | BONY | 93 RBC | | 6/19/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.38 | 2.381 | 50,000,000 | 49,983,472 | - | - | 16,528 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 525399 | BONY | 93 | RBC | 6/20/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.403 | 2.403 | 45,000,000 | 44,987,988 | - | - | 12,013 | - | - | 45,000,000 |
| FUND 1000 | COMM PAPER | 525409 | BONY | 93 | MERIL | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525410 | BONY | 93 | MERIL | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525411 | BONY | 93 | MERIL | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525412 | BONY | 93 | MERIL | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525416 | BONY | 93 | DAIWA | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.3 | 2.3 | 46,164,000 | 46,164,000 | - | - | 8,848 | - | - | 46,172,848 |
| FUND 1000 | COMM PAPER | 525417 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.395 | 2.395 | 50,000,000 | 49,996,674 | 3,326 | - | - | - | - | 49,996,674 |
| FUND 1000 | COMM PAPER | 525418 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.395 | 2.395 | 50,000,000 | 49,996,674 | 3,326 | - | - | - | - | 49,996,674 |
| FUND 1000 | COMM PAPER | 525419 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.395 | 2.395 | 50,000,000 | 49,996,674 | 3,326 | - | - | - | - | 49,996,674 |
| FUND 1000 | COMM PAPER | 525420 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.395 | 2.395 | 50,000,000 | 49,996,674 | 3,326 | - | - | - | - | 49,996,674 |
| FUND 1000 | COMM PAPER | 525421 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.395 | 2.395 | 50,000,000 | 49,996,674 | 3,326 | - | - | - | - | 49,996,674 |
| FUND 1000 | COMM PAPER | 525422 | BONY | 93 | MERIL | 6/24/2019 | 6/28/2019 | 6/24/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,987,056 | 12,944 | - | - | - | - | 49,987,056 |
| FUND 1000 | COMM PAPER | 525423 | BONY | 93 | MERIL | 6/24/2019 | 6/28/2019 | 6/24/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,987,056 | 12,944 | - | - | - | - | 49,987,056 |
| FUND 1000 | REPO INT | 525428 | BONY | 93 | DAIWA | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.3 | 2.3 | 107,677,000 | 107,677,000 | - | - | - | - | - | 107,677,000 |
| FUND 1000 | COMM PAPER | 525372 | BONY | 93 | MERIL | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525373 | BONY | 93 | MERIL | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525417 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.395 | 2.395 | 50,000,000 | 49,996,674 | - | - | 3,326 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525418 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.395 | 2.395 | 50,000,000 | 49,996,674 | - | - | 3,326 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525419 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.395 | 2.395 | 50,000,000 | 49,996,674 | - | - | 3,326 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525420 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.395 | 2.395 | 50,000,000 | 49,996,674 | - | - | 3,326 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525421 | BONY | 93 | RBC | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.395 | 2.395 | 50,000,000 | 49,996,674 | - | - | 3,326 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525428 | BONY | 93 | DAIWA | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.3 | 2.3 | 107,677,000 | 107,677,000 | - | - | 6,879 | - | - | 107,683,879 |
| FUND 1000 | COMM PAPER | 525429 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525430 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525431 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525432 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525433 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525434 | BONY | 93 | CANT | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 525435 | BONY | 93 | CANT | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 525436 | BONY | 93 | CANT | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | REPO INT | 525443 | BONY | 93 | DAIWA | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.3 | 2.3 | 167,523,000 | 167,523,000 | - | - | - | - | - | 167,523,000 |
| FUND 1000 | COMM PAPER | 525448 | BONY | 93 | RBC | 6/25/2019 | 7/3/2019 | 6/25/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,974,000 | 26,000 | - | - | - | - | 49,974,000 |
| FUND 1000 | COMM PAPER | 525429 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525430 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525431 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525432 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525433 | BONY | 93 | RBC | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525443 | BONY | 93 | DAIWA | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.3 | 2.3 | 167,523,000 | 167,523,000 | - | - | 10,703 | - | - | 167,533,703 |
| FUND 1000 | COMM PAPER | 525450 | BONY | 93 | RBC | 6/26/2019 | 7/1/2019 | 6/26/2019 | Purchased | 2.41 | 2.411 | 50,000,000 | 49,983,264 | 16,736 | - | - | - | - | 49,983,264 |
| FUND 1000 | COMM PAPER | 525451 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525452 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525453 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525454 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 525455 | BONY | 93 | CANT | 6/26/2019 | 7/3/2019 | 6/26/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | COMM PAPER | 525456 | BONY | 93 | CANT | 6/26/2019 | 7/3/2019 | 6/26/2019 | Purchased | 2.4 | 2.401 | 50,000,000 | 49,976,667 | 23,333 | - | - | - | - | 49,976,667 |
| FUND 1000 | REPO INT | 525458 | BONY | 93 | DAIWA | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.3 | 2.3 | 76,063,000 | 76,063,000 | - | - | - | - | - | 76,063,000 |
| FUND 1000 | COMM PAPER | 525316 | BONY | 93 | RBC | 6/13/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.363 | 2.365 | 50,000,000 | 49,954,063 | - | - | 45,938 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525451 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525452 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525453 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525454 | BONY | 93 | RBC | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525458 | BONY | 93 | DAIWA | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.3 | 2.3 | 76,063,000 | 76,063,000 | - | - | 4,860 | - | - | 76,067,860 |
| FUND 1000 | COMM PAPER | 525459 | BONY | 93 | RBC | 6/27/2019 | 6/28/2019 | 6/27/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |
| FUND 1000 | COMM PAPER | 525460 | BONY | 93 | RBC | 6/27/2019 | 6/28/2019 | 6/27/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,996,681 | 3,319 | - | - | - | - | 49,996,681 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525461 | BONY | 93 RBC | | 6/27/2019 | 7/1/2019 | 6/27/2019 | Purchased | 2.42 | 2.421 | 50,000,000 | 49,986,556 | 13,444 | - | - | - | - | 49,986,556 |
| FUND 1000 | COMM PAPER | 525462 | BONY | 93 RBC | | 6/27/2019 | 7/1/2019 | 6/27/2019 | Purchased | 2.42 | 2.421 | 50,000,000 | 49,986,556 | 13,444 | - | - | - | - | 49,986,556 |
| FUND 1000 | REPO INT | 525469 | BONY | 93 DAIWA | | 6/27/2019 | 6/28/2019 | 6/27/2019 | Purchased | 2.3 | 2.3 | 49,649,000 | 49,649,000 | - | - | - | - | - | 49,649,000 |
| FUND 1000 | COMM PAPER | 525422 | BONY | 93 MERIL | | 6/24/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,987,056 | - | - | 12,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525423 | BONY | 93 MERIL | | 6/24/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,987,056 | - | - | 12,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525459 | BONY | 93 RBC | | 6/27/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525460 | BONY | 93 RBC | | 6/27/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,996,681 | - | - | 3,319 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525469 | BONY | 93 DAIWA | | 6/27/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.3 | 2.3 | 49,649,000 | 49,649,000 | - | - | 3,172 | - | - | 49,652,172 |
| FUND 1000 | COMM PAPER | 525477 | BONY | 93 RBC | | 6/28/2019 | 7/1/2019 | 6/28/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,990,042 | 9,958 | - | - | - | - | 49,990,042 |
| FUND 1000 | COMM PAPER | 525478 | BONY | 93 RBC | | 6/28/2019 | 7/1/2019 | 6/28/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,990,042 | 9,958 | - | - | - | - | 49,990,042 |
| FUND 1000 | REPO INT | 525481 | BONY | 93 DAIWA | | 6/28/2019 | 7/1/2019 | 6/28/2019 | Purchased | 2.3 | 2.3 | 51,758,000 | 51,758,000 | - | - | - | - | - | 51,758,000 |
| FUND 1000 | COMM PAPER | 525450 | BONY | 93 RBC | | 6/26/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.41 | 2.411 | 50,000,000 | 49,983,264 | - | - | 16,736 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525461 | BONY | 93 RBC | | 6/27/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.42 | 2.421 | 50,000,000 | 49,986,556 | - | - | 13,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525462 | BONY | 93 RBC | | 6/27/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.42 | 2.421 | 50,000,000 | 49,986,556 | - | - | 13,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525477 | BONY | 93 RBC | | 6/28/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,990,042 | - | - | 9,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525478 | BONY | 93 RBC | | 6/28/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,990,042 | - | - | 9,958 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525481 | BONY | 93 DAIWA | | 6/28/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.3 | 2.3 | 51,758,000 | 51,758,000 | - | - | 9,920 | - | - | 51,767,920 |
| FUND 1000 | COMM PAPER | 525483 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/1/2019 | Purchased | 2.393 | 2.393 | 50,000,000 | 49,996,677 | 3,323 | - | - | - | - | 49,996,677 |
| FUND 1000 | COMM PAPER | 525484 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/1/2019 | Purchased | 2.393 | 2.393 | 50,000,000 | 49,996,677 | 3,323 | - | - | - | - | 49,996,677 |
| FUND 1000 | COMM PAPER | 525485 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/1/2019 | Purchased | 2.393 | 2.393 | 30,000,000 | 29,998,006 | 1,994 | - | - | - | - | 29,998,006 |
| FUND 1000 | COMM PAPER | 525486 | BONY | 93 MERIL | | 7/1/2019 | 7/8/2019 | 7/1/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | COMM PAPER | 525487 | BONY | 93 MERIL | | 7/1/2019 | 7/8/2019 | 7/1/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,976,764 | 23,236 | - | - | - | - | 49,976,764 |
| FUND 1000 | REPO INT | 525496 | BONY | 93 DAIWA | | 7/1/2019 | 7/2/2019 | 7/1/2019 | Purchased | 2.3 | 2.3 | 43,869,000 | 43,869,000 | - | - | - | - | - | 43,869,000 |
| FUND 1000 | COMM PAPER | 525374 | BONY | 93 MERIL | | 6/18/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,954,694 | - | - | 45,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525375 | BONY | 93 MERIL | | 6/18/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,954,694 | - | - | 45,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525434 | BONY | 93 CANT | | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525435 | BONY | 93 CANT | | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525436 | BONY | 93 CANT | | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525483 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.393 | 2.393 | 50,000,000 | 49,996,677 | - | - | 3,323 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525484 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.393 | 2.393 | 50,000,000 | 49,996,677 | - | - | 3,323 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525485 | BONY | 93 RBC | | 7/1/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.393 | 2.393 | 30,000,000 | 29,998,006 | - | - | 1,994 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525496 | BONY | 93 DAIWA | | 7/1/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.3 | 2.3 | 43,869,000 | 43,869,000 | - | - | 2,803 | - | - | 43,871,803 |
| FUND 1000 | COMM PAPER | 525503 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.393 | 2.393 | 50,000,000 | 49,996,677 | 3,323 | - | - | - | - | 49,996,677 |
| FUND 1000 | COMM PAPER | 525504 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.393 | 2.393 | 50,000,000 | 49,996,677 | 3,323 | - | - | - | - | 49,996,677 |
| FUND 1000 | COMM PAPER | 525505 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.393 | 2.393 | 50,000,000 | 49,996,677 | 3,323 | - | - | - | - | 49,996,677 |
| FUND 1000 | COMM PAPER | 525506 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.393 | 2.393 | 25,000,000 | 24,998,339 | 1,661 | - | - | - | - | 24,998,339 |
| FUND 1000 | COMM PAPER | 525507 | BONY | 93 BOFAB | | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | COMM PAPER | 525508 | BONY | 93 BOFAB | | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | COMM PAPER | 525509 | BONY | 93 BOFAB | | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | COMM PAPER | 525510 | BONY | 93 MERIL | | 7/2/2019 | 7/11/2019 | 7/2/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,970,875 | 29,125 | - | - | - | - | 49,970,875 |
| FUND 1000 | COMM PAPER | 525511 | BONY | 93 MERIL | | 7/2/2019 | 7/11/2019 | 7/2/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,970,875 | 29,125 | - | - | - | - | 49,970,875 |
| FUND 1000 | REPO INT | 525513 | BONY | 93 DAIWA | | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.3 | 2.3 | 22,222,000 | 22,222,000 | - | - | - | - | - | 22,222,000 |
| FUND 1000 | COMM PAPER | 525448 | BONY | 93 RBC | | 6/25/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,974,000 | - | - | 26,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525455 | BONY | 93 CANT | | 6/26/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525456 | BONY | 93 CANT | | 6/26/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.4 | 2.401 | 50,000,000 | 49,976,667 | - | - | 23,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525503 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.393 | 2.393 | 50,000,000 | 49,996,677 | - | - | 3,323 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525504 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.393 | 2.393 | 50,000,000 | 49,996,677 | - | - | 3,323 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525505 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.393 | 2.393 | 50,000,000 | 49,996,677 | - | - | 3,323 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525506 | BONY | 93 RBC | | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.393 | 2.393 | 25,000,000 | 24,998,339 | - | - | 1,661 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525513 | BONY | 93 DAIWA | | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.3 | 2.3 | 22,222,000 | 22,222,000 | - | - | 1,420 | - | - | 22,223,420 |
| FUND 1000 | COMM PAPER | 525516 | BONY | 93 MERIL | | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,993,472 | 6,528 | - | - | - | - | 49,993,472 |
| FUND 1000 | COMM PAPER | 525517 | BONY | 93 MERIL | | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,993,472 | 6,528 | - | - | - | - | 49,993,472 |
| FUND 1000 | COMM PAPER | 525518 | BONY | 93 MERIL | | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,993,472 | 6,528 | - | - | - | - | 49,993,472 |
| FUND 1000 | COMM PAPER | 525519 | BONY | 93 MERIL | | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.35 | 2.35 | 30,000,000 | 29,996,083 | 3,917 | - | - | - | - | 29,996,083 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525520 | BONY | 93 | MERIL | 7/3/2019 | 7/10/2019 | 7/3/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | COMM PAPER | 525521 | BONY | 93 | MERIL | 7/3/2019 | 7/17/2019 | 7/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 1000 | REPO INT | 525524 | BONY | 93 | DAIWA | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.4 | 2.4 | 90,528,000 | 90,528,000 | - | - | - | - | - | 90,528,000 |
| FUND 1000 | COMM PAPER | 525516 | BONY | 93 | MERIL | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,993,472 | - | - | 6,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525517 | BONY | 93 | MERIL | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,993,472 | - | - | 6,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525518 | BONY | 93 | MERIL | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,993,472 | - | - | 6,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525519 | BONY | 93 | MERIL | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.35 | 2.35 | 30,000,000 | 29,996,083 | - | - | 3,917 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525524 | BONY | 93 | DAIWA | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.4 | 2.4 | 90,528,000 | 90,528,000 | - | - | 12,070 | - | - | 90,540,070 |
| FUND 1000 | COMM PAPER | 525525 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/5/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525526 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/5/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525527 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/5/2019 | Purchased | 2.35 | 2.35 | 40,000,000 | 39,992,167 | 7,833 | - | - | - | - | 39,992,167 |
| FUND 1000 | COMM PAPER | 525528 | BONY | 93 | MERIL | 7/5/2019 | 7/12/2019 | 7/5/2019 | Purchased | 2.355 | 2.356 | 50,000,000 | 49,977,104 | 22,896 | - | - | - | - | 49,977,104 |
| FUND 1000 | COMM PAPER | 525529 | BONY | 93 | MERIL | 7/5/2019 | 7/12/2019 | 7/5/2019 | Purchased | 2.355 | 2.356 | 50,000,000 | 49,977,104 | 22,896 | - | - | - | - | 49,977,104 |
| FUND 1000 | REPO INT | 525533 | BONY | 93 | DAIWA | 7/5/2019 | 7/8/2019 | 7/5/2019 | Purchased | 2.4 | 2.4 | 96,845,000 | 96,845,000 | - | - | - | - | - | 96,845,000 |
| FUND 1000 | COMM PAPER | 525486 | BONY | 93 | MERIL | 7/1/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525487 | BONY | 93 | MERIL | 7/1/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,976,764 | - | - | 23,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525525 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525526 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525527 | BONY | 93 | MERIL | 7/5/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.35 | 2.35 | 40,000,000 | 39,992,167 | - | - | 7,833 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 525533 | BONY | 93 | DAIWA | 7/5/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.4 | 2.4 | 96,845,000 | 96,845,000 | - | - | 19,369 | - | - | 96,864,369 |
| FUND 1000 | COMM PAPER | 525539 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525540 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525541 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525542 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.423 | 2.423 | 35,000,000 | 34,997,645 | 2,355 | - | - | - | - | 34,997,645 |
| FUND 1000 | COMM PAPER | 525543 | BONY | 93 | MERIL | 7/8/2019 | 7/15/2019 | 7/8/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 1000 | COMM PAPER | 525544 | BONY | 93 | MERIL | 7/8/2019 | 7/15/2019 | 7/8/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 1000 | REPO INT | 525551 | BONY | 93 | DAIWA | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.35 | 2.35 | 44,661,000 | 44,661,000 | - | - | - | - | - | 44,661,000 |
| FUND 1000 | COMM PAPER | 525507 | BONY | 93 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525508 | BONY | 93 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525509 | BONY | 93 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525539 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525540 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525541 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525542 | BONY | 93 | RBC | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.423 | 2.423 | 35,000,000 | 34,997,645 | - | - | 2,355 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 525551 | BONY | 93 | DAIWA | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.35 | 2.35 | 44,661,000 | 44,661,000 | - | - | 2,915 | - | - | 44,663,915 |
| FUND 1000 | COMM PAPER | 525552 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525553 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525554 | BONY | 93 | WELLB | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525555 | BONY | 93 | WELLB | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525556 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525557 | BONY | 93 | WELLB | 7/9/2019 | 7/16/2019 | 7/9/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | COMM PAPER | 525558 | BONY | 93 | WELLB | 7/9/2019 | 7/23/2019 | 7/9/2019 | Purchased | 2.36 | 2.362 | 50,000,000 | 49,954,111 | 45,889 | - | - | - | - | 49,954,111 |
| FUND 1000 | COMM PAPER | 525559 | BONY | 93 | WELLB | 7/9/2019 | 7/23/2019 | 7/9/2019 | Purchased | 2.36 | 2.362 | 50,000,000 | 49,954,111 | 45,889 | - | - | - | - | 49,954,111 |
| FUND 1000 | REPO INT | 525572 | BONY | 93 | DAIWA | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.35 | 2.35 | 41,244,000 | 41,244,000 | - | - | - | - | - | 41,244,000 |
| FUND 1000 | COMM PAPER | 525520 | BONY | 93 | MERIL | 7/3/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525552 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525553 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525554 | BONY | 93 | WELLB | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525555 | BONY | 93 | WELLB | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525556 | BONY | 93 | RBC | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525572 | BONY | 93 | DAIWA | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.35 | 2.35 | 41,244,000 | 41,244,000 | - | - | 2,692 | - | - | 41,246,692 |
| FUND 1000 | COMM PAPER | 525575 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525576 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |
| FUND 1000 | COMM PAPER | 525577 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.43 | 2.43 | 50,000,000 | 49,996,625 | 3,375 | - | - | - | - | 49,996,625 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525578 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525579 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525580 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.35 | 2.35 | 25,000,000 | 24,998,368 | 1,632 | - | - | - | - | 24,998,368 |
| FUND 1000 | COMM PAPER | 525581 | BONY | 93 | CANT | 7/10/2019 | 7/24/2019 | 7/10/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,954,694 | 45,306 | - | - | - | - | 49,954,694 |
| FUND 1000 | COMM PAPER | 525582 | BONY | 93 | CANT | 7/10/2019 | 7/24/2019 | 7/10/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,954,694 | 45,306 | - | - | - | - | 49,954,694 |
| FUND 1000 | REPO INT | 525585 | BONY | 93 | DAIWA | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.35 | 2.35 | 37,549,000 | 37,549,000 | - | - | - | - | - | 37,549,000 |
| FUND 1000 | COMM PAPER | 525510 | BONY | 93 | MERIL | 7/2/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,970,875 | - | - | 29,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525511 | BONY | 93 | MERIL | 7/2/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,970,875 | - | - | 29,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525575 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525576 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525577 | BONY | 93 | RBC | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.43 | 2.43 | 50,000,000 | 49,996,625 | - | - | 3,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525578 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525579 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525580 | BONY | 93 | MERIL | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.35 | 2.35 | 25,000,000 | 24,998,368 | - | - | 1,632 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525585 | BONY | 93 | DAIWA | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.35 | 2.35 | 37,549,000 | 37,549,000 | - | - | 2,451 | - | - | 37,551,451 |
| FUND 1000 | COMM PAPER | 525597 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525598 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525599 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.422 | 2.423 | 50,000,000 | 49,996,635 | 3,365 | - | - | - | - | 49,996,635 |
| FUND 1000 | COMM PAPER | 525600 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525601 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525602 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.35 | 2.35 | 30,000,000 | 29,998,042 | 1,958 | - | - | - | - | 29,998,042 |
| FUND 1000 | COMM PAPER | 525603 | BONY | 93 | CANT | 7/11/2019 | 8/1/2019 | 7/11/2019 | Purchased | 2.322 | 2.326 | 50,000,000 | 49,932,260 | 67,740 | - | - | - | - | 49,932,260 |
| FUND 1000 | COMM PAPER | 525604 | BONY | 93 | CANT | 7/11/2019 | 8/1/2019 | 7/11/2019 | Purchased | 2.322 | 2.326 | 50,000,000 | 49,932,260 | 67,740 | - | - | - | - | 49,932,260 |
| FUND 1000 | REPO INT | 525609 | BONY | 93 | DAIWA | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.3 | 2.3 | 57,592,000 | 57,592,000 | - | - | - | - | - | 57,592,000 |
| FUND 1000 | COMM PAPER | 525528 | BONY | 93 | MERIL | 7/5/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.355 | 2.356 | 50,000,000 | 49,977,104 | - | - | 22,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525529 | BONY | 93 | MERIL | 7/5/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.355 | 2.356 | 50,000,000 | 49,977,104 | - | - | 22,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525597 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525598 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525599 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.422 | 2.423 | 50,000,000 | 49,996,635 | - | - | 3,365 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525600 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525601 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525602 | BONY | 93 | RBC | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.35 | 2.35 | 30,000,000 | 29,998,042 | - | - | 1,958 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525609 | BONY | 93 | DAIWA | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.3 | 2.3 | 57,592,000 | 57,592,000 | - | - | 3,679 | - | - | 57,595,679 |
| FUND 1000 | COMM PAPER | 525618 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.424 | 2.425 | 50,000,000 | 49,989,898 | 10,102 | - | - | - | - | 49,989,898 |
| FUND 1000 | COMM PAPER | 525619 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.424 | 2.425 | 50,000,000 | 49,989,898 | 10,102 | - | - | - | - | 49,989,898 |
| FUND 1000 | COMM PAPER | 525620 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.424 | 2.425 | 50,000,000 | 49,989,898 | 10,102 | - | - | - | - | 49,989,898 |
| FUND 1000 | COMM PAPER | 525621 | BONY | 93 | MERIL | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525622 | BONY | 93 | MERIL | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.35 | 2.35 | 15,000,000 | 14,997,063 | 2,938 | - | - | - | - | 14,997,063 |
| FUND 1000 | COMM PAPER | 525623 | BONY | 93 | MERIL | 7/12/2019 | 7/26/2019 | 7/12/2019 | Purchased | 2.35 | 2.352 | 50,000,000 | 49,954,306 | 45,694 | - | - | - | - | 49,954,306 |
| FUND 1000 | COMM PAPER | 525624 | BONY | 93 | MERIL | 7/12/2019 | 7/26/2019 | 7/12/2019 | Purchased | 2.35 | 2.352 | 50,000,000 | 49,954,306 | 45,694 | - | - | - | - | 49,954,306 |
| FUND 1000 | REPO INT | 525626 | BONY | 93 | DAIWA | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.3 | 2.3 | 41,976,000 | 41,976,000 | - | - | - | - | - | 41,976,000 |
| FUND 1000 | COMM PAPER | 525543 | BONY | 93 | MERIL | 7/8/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525544 | BONY | 93 | MERIL | 7/8/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525618 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.424 | 2.425 | 50,000,000 | 49,989,898 | - | - | 10,102 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525619 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.424 | 2.425 | 50,000,000 | 49,989,898 | - | - | 10,102 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525620 | BONY | 93 | RBC | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.424 | 2.425 | 50,000,000 | 49,989,898 | - | - | 10,102 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525621 | BONY | 93 | MERIL | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525622 | BONY | 93 | MERIL | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.35 | 2.35 | 15,000,000 | 14,997,063 | - | - | 2,938 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 525626 | BONY | 93 | DAIWA | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.3 | 2.3 | 41,976,000 | 41,976,000 | - | - | 8,045 | - | - | 41,984,045 |
| FUND 1000 | REPO INT | 525630 | BONY | 93 | DAIWA | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.35 | 2.35 | 55,456,000 | 55,456,000 | - | - | - | - | - | 55,456,000 |
| FUND 1000 | COMM PAPER | 525631 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525632 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525633 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525634 | BONY | 93 | MERIL | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525557 | BONY | 93 | WELLB | 7/9/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525630 | BONY | 93 | DAIWA | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.35 | 2.35 | 55,456,000 | 55,456,000 | - | - | 3,620 | - | - | 55,459,620 |
| FUND 1000 | COMM PAPER | 525631 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525632 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525633 | BONY | 93 | RBC | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525634 | BONY | 93 | MERIL | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525647 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525648 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525649 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525650 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525651 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525652 | BONY | 93 | CANT | 7/16/2019 | 7/22/2019 | 7/16/2019 | Purchased | 2.39 | 2.391 | 50,000,000 | 49,980,083 | 19,917 | - | - | - | - | 49,980,083 |
| FUND 1000 | REPO INT | 525656 | BONY | 93 | DAIWA | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.35 | 2.35 | 25,445,000 | 25,445,000 | - | - | - | - | - | 25,445,000 |
| FUND 1000 | COMM PAPER | 525521 | BONY | 93 | MERIL | 7/3/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525647 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525648 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525649 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525650 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525651 | BONY | 93 | MERIL | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525656 | BONY | 93 | DAIWA | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.35 | 2.35 | 25,445,000 | 25,445,000 | - | - | 1,661 | - | - | 25,446,661 |
| FUND 1000 | COMM PAPER | 525662 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525663 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525665 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525666 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.35 | 2.35 | 40,000,000 | 39,997,389 | 2,611 | - | - | - | - | 39,997,389 |
| FUND 1000 | REPO INT | 525671 | BONY | 93 | DAIWA | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.35 | 2.35 | 28,729,000 | 28,729,000 | - | - | - | - | - | 28,729,000 |
| FUND 1000 | COMM PAPER | 525662 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525663 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525664 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525665 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525666 | BONY | 93 | MERIL | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.35 | 2.35 | 40,000,000 | 39,997,389 | - | - | 2,611 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 525671 | BONY | 93 | DAIWA | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.35 | 2.35 | 28,729,000 | 28,729,000 | - | - | 1,875 | - | - | 28,730,875 |
| FUND 1000 | COMM PAPER | 525672 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525673 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525674 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525675 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525676 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525677 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | REPO INT | 525690 | BONY | 93 | DAIWA | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.35 | 2.35 | 25,856,000 | 25,856,000 | - | - | - | - | - | 25,856,000 |
| FUND 1000 | COMM PAPER | 525672 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525673 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525674 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525675 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525676 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525677 | BONY | 93 | RBC | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525690 | BONY | 93 | DAIWA | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.35 | 25,856,000 | 25,856,000 | - | - | 1,688 | - | - | 25,857,688 |
| FUND 1000 | COMM PAPER | 525694 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525695 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525696 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525697 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525698 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | REPO INT | 525703 | BONY | 93 | DAIWA | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.35 | 2.35 | 27,215,000 | 27,215,000 | - | - | - | - | - | 27,215,000 |
| FUND 1000 | COMM PAPER | 525652 | BONY | 93 | CANT | 7/16/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.39 | 2.391 | 50,000,000 | 49,980,083 | - | - | 19,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525694 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525695 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525696 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525697 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525698 | BONY | 93 | MERIL | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525703 | BONY | 93 | DAIWA | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.35 | 2.35 | 27,215,000 | 27,215,000 | - | - | 5,330 | - | - | 27,220,330 |
| FUND 1000 | COMM PAPER | 525704 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525705 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525706 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525707 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525708 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525709 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.35 | 2.35 | 40,000,000 | 39,997,389 | 2,611 | - | - | - | - | 39,997,389 |
| FUND 1000 | REPO INT | 525715 | BONY | 93 | DAIWA | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.35 | 2.35 | 48,602,000 | 48,602,000 | - | - | - | - | - | 48,602,000 |
| FUND 1000 | COMM PAPER | 525558 | BONY | 93 | WELLB | 7/9/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.36 | 2.362 | 50,000,000 | 49,954,111 | - | - | 45,889 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525559 | BONY | 93 | WELLB | 7/9/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.36 | 2.362 | 50,000,000 | 49,954,111 | - | - | 45,889 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525704 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525705 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525706 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525707 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525708 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525709 | BONY | 93 | MERIL | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.35 | 2.35 | 40,000,000 | 39,997,389 | - | - | 2,611 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 525715 | BONY | 93 | DAIWA | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.35 | 2.35 | 48,602,000 | 48,602,000 | - | - | 3,173 | - | - | 48,605,173 |
| FUND 1000 | COMM PAPER | 525716 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525717 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525718 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525719 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525720 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525721 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525722 | BONY | 93 | CANT | 7/23/2019 | 8/6/2019 | 7/23/2019 | Purchased | 2.31 | 2.312 | 50,000,000 | 49,955,083 | 44,917 | - | - | - | - | 49,955,083 |
| FUND 1000 | COMM PAPER | 525723 | BONY | 93 | CANT | 7/23/2019 | 8/6/2019 | 7/23/2019 | Purchased | 2.31 | 2.312 | 50,000,000 | 49,955,083 | 44,917 | - | - | - | - | 49,955,083 |
| FUND 1000 | REPO INT | 525730 | BONY | 93 | DAIWA | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.35 | 2.35 | 49,889,000 | 49,889,000 | - | - | - | - | - | 49,889,000 |
| FUND 1000 | COMM PAPER | 525581 | BONY | 93 | CANT | 7/10/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,954,694 | - | - | 45,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525582 | BONY | 93 | CANT | 7/10/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,954,694 | - | - | 45,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525716 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525717 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525718 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525719 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525720 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525721 | BONY | 93 | RBC | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525730 | BONY | 93 | DAIWA | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.35 | 2.35 | 49,889,000 | 49,889,000 | - | - | 3,257 | - | - | 49,892,257 |
| FUND 1000 | COMM PAPER | 525733 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525734 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525735 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525736 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525737 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525738 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525739 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.34 | 2.34 | 40,000,000 | 39,997,400 | 2,600 | - | - | - | - | 39,997,400 |
| FUND 1000 | COMM PAPER | 525740 | BONY | 93 | MERIL | 7/24/2019 | 8/7/2019 | 7/24/2019 | Purchased | 2.29 | 2.292 | 50,000,000 | 49,955,472 | 44,528 | - | - | - | - | 49,955,472 |
| FUND 1000 | COMM PAPER | 525741 | BONY | 93 | MERIL | 7/24/2019 | 8/7/2019 | 7/24/2019 | Purchased | 2.29 | 2.292 | 50,000,000 | 49,955,472 | 44,528 | - | - | - | - | 49,955,472 |
| FUND 1000 | REPO INT | 525749 | BONY | 93 | DAIWA | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.3 | 2.3 | 37,560,000 | 37,560,000 | - | - | - | - | - | 37,560,000 |
| FUND 1000 | COMM PAPER | 525733 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525734 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525735 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525736 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525737 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525738 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525739 | BONY | 93 | MERIL | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.34 | 2.34 | 40,000,000 | 39,997,400 | - | - | 2,600 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 525749 | BONY | 93 | DAIWA | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.3 | 2.3 | 37,560,000 | 37,560,000 | - | - | 2,400 | - | - | 37,562,400 |
| FUND 1000 | COMM PAPER | 525758 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525759 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525760 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525761 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525762 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.34 | 2.34 | 50,000,000 | 49,996,750 | 3,250 | - | - | - | - | 49,996,750 |
| FUND 1000 | COMM PAPER | 525763 | BONY | 93 | MERIL | 7/25/2019 | 8/1/2019 | 7/25/2019 | Purchased | 2.35 | 2.351 | 50,000,000 | 49,977,153 | 22,847 | - | - | - | - | 49,977,153 |
| FUND 1000 | REPO INT | 525768 | BONY | 93 | DAIWA | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.35 | 2.35 | 51,379,000 | 51,379,000 | - | - | - | - | - | 51,379,000 |
| FUND 1000 | COMM PAPER | 525623 | BONY | 93 | MERIL | 7/12/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.35 | 2.352 | 50,000,000 | 49,954,306 | - | - | 45,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525624 | BONY | 93 | MERIL | 7/12/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.35 | 2.352 | 50,000,000 | 49,954,306 | - | - | 45,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525758 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525759 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525760 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525761 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525762 | BONY | 93 | RBC | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.34 | 2.34 | 50,000,000 | 49,996,750 | - | - | 3,250 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525768 | BONY | 93 | DAIWA | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.35 | 2.35 | 51,379,000 | 51,379,000 | - | - | 3,354 | - | - | 51,382,354 |
| FUND 1000 | COMM PAPER | 525772 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525773 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525774 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,989,917 | 10,083 | - | - | - | - | 49,989,917 |
| FUND 1000 | COMM PAPER | 525775 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | COMM PAPER | 525776 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,990,208 | 9,792 | - | - | - | - | 49,990,208 |
| FUND 1000 | REPO INT | 525778 | BONY | 93 | DAIWA | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.35 | 2.35 | 22,182,000 | 22,182,000 | - | - | - | - | - | 22,182,000 |
| FUND 1000 | COMM PAPER | 525772 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525773 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525774 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,989,917 | - | - | 10,083 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525775 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525776 | BONY | 93 | MERIL | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,990,208 | - | - | 9,792 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525778 | BONY | 93 | DAIWA | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.35 | 2.35 | 22,182,000 | 22,182,000 | - | - | 4,344 | - | - | 22,186,344 |
| FUND 1000 | COMM PAPER | 525779 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525780 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525781 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525782 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525783 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.35 | 2.35 | 30,000,000 | 29,998,042 | 1,958 | - | - | - | - | 29,998,042 |
| FUND 1000 | REPO INT | 525789 | BONY | 93 | DAIWA | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.35 | 2.35 | 37,284,000 | 37,284,000 | - | - | - | - | - | 37,284,000 |
| FUND 1000 | COMM PAPER | 525779 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525780 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525781 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525782 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525783 | BONY | 93 | RBC | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.35 | 2.35 | 30,000,000 | 29,998,042 | - | - | 1,958 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525789 | BONY | 93 | DAIWA | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.35 | 2.35 | 37,284,000 | 37,284,000 | - | - | 2,434 | - | - | 37,286,434 |
| FUND 1000 | COMM PAPER | 525792 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525793 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,996,639 | 3,361 | - | - | - | - | 49,996,639 |
| FUND 1000 | COMM PAPER | 525794 | BONY | 93 | MERIL | 7/30/2019 | 8/1/2019 | 7/30/2019 | Purchased | 2.42 | 2.42 | 50,000,000 | 49,993,278 | 6,722 | - | - | - | - | 49,993,278 |
| FUND 1000 | COMM PAPER | 525795 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/30/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | REPO INT | 525800 | BONY | 93 | DAIWA | 7/30/2019 | 7/31/2019 | 7/30/2019 | Purchased | 2.35 | 2.35 | 35,079,000 | 35,079,000 | - | - | - | - | - | 35,079,000 |
| FUND 1000 | COMM PAPER | 525792 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/31/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525793 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/31/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,996,639 | - | - | 3,361 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525795 | BONY | 93 | MERIL | 7/30/2019 | 7/31/2019 | 7/31/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525800 | BONY | 93 | DAIWA | 7/30/2019 | 7/31/2019 | 7/31/2019 | Matured | 2.35 | 2.35 | 35,079,000 | 35,079,000 | - | - | 2,290 | - | - | 35,081,290 |
| FUND 1000 | COMM PAPER | 525806 | BONY | 93 | RBC | 7/31/2019 | 8/1/2019 | 7/31/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525807 | BONY | 93 | RBC | 7/31/2019 | 8/1/2019 | 7/31/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 1000 | COMM PAPER | 525808 | BONY | 93 | RBC | 7/31/2019 | 8/1/2019 | 7/31/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 525809 | BONY | 93 RBC | | 7/31/2019 | 8/7/2019 | 7/31/2019 | Purchased | 2.14 | 2.141 | 50,000,000 | 49,979,194 | 20,806 | - | - | - | - | 49,979,194 |
| FUND 1000 | REPO INT | 525811 | BONY | 93 DAIWA | | 7/31/2019 | 8/1/2019 | 7/31/2019 | Purchased | 2.35 | 2.35 | 31,432,000 | 31,432,000 | - | - | - | - | - | 31,432,000 |
| FUND 1000 | COMM PAPER | 525603 | BONY | 93 CANT | | 7/11/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.322 | 2.326 | 50,000,000 | 49,932,260 | - | - | 67,740 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525604 | BONY | 93 CANT | | 7/11/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.322 | 2.326 | 50,000,000 | 49,932,260 | - | - | 67,740 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525763 | BONY | 93 MERIL | | 7/25/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.351 | 50,000,000 | 49,977,153 | - | - | 22,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525794 | BONY | 93 MERIL | | 7/30/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.42 | 2.42 | 50,000,000 | 49,993,278 | - | - | 6,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525806 | BONY | 93 RBC | | 7/31/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525807 | BONY | 93 RBC | | 7/31/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525808 | BONY | 93 RBC | | 7/31/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525811 | BONY | 93 DAIWA | | 7/31/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.35 | 31,432,000 | 31,432,000 | - | - | 2,052 | - | - | 31,434,052 |
| FUND 1000 | COMM PAPER | 525816 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,996,944 | 3,056 | - | - | - | - | 49,996,944 |
| FUND 1000 | COMM PAPER | 525817 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,996,944 | 3,056 | - | - | - | - | 49,996,944 |
| FUND 1000 | COMM PAPER | 525818 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,996,944 | 3,056 | - | - | - | - | 49,996,944 |
| FUND 1000 | COMM PAPER | 525819 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.2 | 2.2 | 30,000,000 | 29,998,167 | 1,833 | - | - | - | - | 29,998,167 |
| FUND 1000 | REPO INT | 525826 | BONY | 93 DAIWA | | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.15 | 2.15 | 182,016,000 | 182,016,000 | - | - | - | - | - | 182,016,000 |
| FUND 1000 | COMM PAPER | 525816 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,996,944 | - | - | 3,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525817 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,996,944 | - | - | 3,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525818 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,996,944 | - | - | 3,056 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525819 | BONY | 93 RBC | | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.2 | 2.2 | 30,000,000 | 29,998,167 | - | - | 1,833 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 525826 | BONY | 93 DAIWA | | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.15 | 2.15 | 182,016,000 | 182,016,000 | - | - | 10,870 | - | - | 182,026,870 |
| FUND 1000 | COMM PAPER | 525827 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,990,833 | 9,167 | - | - | - | - | 49,990,833 |
| FUND 1000 | COMM PAPER | 525828 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,990,833 | 9,167 | - | - | - | - | 49,990,833 |
| FUND 1000 | COMM PAPER | 525829 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,990,833 | 9,167 | - | - | - | - | 49,990,833 |
| FUND 1000 | COMM PAPER | 525830 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.2 | 2.2 | 50,000,000 | 49,990,833 | 9,167 | - | - | - | - | 49,990,833 |
| FUND 1000 | REPO INT | 525835 | BONY | 93 DAIWA | | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.15 | 2.15 | 106,716,000 | 106,716,000 | - | - | - | - | - | 106,716,000 |
| FUND 1000 | COMM PAPER | 525827 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,990,833 | - | - | 9,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525828 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,990,833 | - | - | 9,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525829 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,990,833 | - | - | 9,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525830 | BONY | 93 MERIL | | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.2 | 2.2 | 50,000,000 | 49,990,833 | - | - | 9,167 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525835 | BONY | 93 DAIWA | | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.15 | 2.15 | 106,716,000 | 106,716,000 | - | - | 19,120 | - | - | 106,735,120 |
| FUND 1000 | COMM PAPER | 525836 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.19 | 2.19 | 50,000,000 | 49,996,958 | 3,042 | - | - | - | - | 49,996,958 |
| FUND 1000 | COMM PAPER | 525837 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.19 | 2.19 | 50,000,000 | 49,996,958 | 3,042 | - | - | - | - | 49,996,958 |
| FUND 1000 | COMM PAPER | 525838 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.19 | 2.19 | 50,000,000 | 49,996,958 | 3,042 | - | - | - | - | 49,996,958 |
| FUND 1000 | COMM PAPER | 525839 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.19 | 2.19 | 50,000,000 | 49,996,958 | 3,042 | - | - | - | - | 49,996,958 |
| FUND 1000 | COMM PAPER | 525840 | BONY | 93 CANT | | 8/5/2019 | 8/12/2019 | 8/5/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | COMM PAPER | 525841 | BONY | 93 CANT | | 8/5/2019 | 8/12/2019 | 8/5/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | COMM PAPER | 525842 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/5/2019 | Purchased | 2.08 | 2.082 | 50,000,000 | 49,959,556 | 40,444 | - | - | - | - | 49,959,556 |
| FUND 1000 | COMM PAPER | 525843 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/5/2019 | Purchased | 2.08 | 2.082 | 50,000,000 | 49,959,556 | 40,444 | - | - | - | - | 49,959,556 |
| FUND 1000 | COMM PAPER | 525844 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/5/2019 | Purchased | 2.08 | 2.082 | 50,000,000 | 49,959,556 | 40,444 | - | - | - | - | 49,959,556 |
| FUND 1000 | REPO INT | 525846 | BONY | 93 DAIWA | | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.05 | 2.05 | 38,622,000 | 38,622,000 | - | - | - | - | - | 38,622,000 |
| FUND 1000 | COMM PAPER | 525722 | BONY | 93 CANT | | 7/23/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.31 | 2.312 | 50,000,000 | 49,955,083 | - | - | 44,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525723 | BONY | 93 CANT | | 7/23/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.31 | 2.312 | 50,000,000 | 49,955,083 | - | - | 44,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525836 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.19 | 2.19 | 50,000,000 | 49,996,958 | - | - | 3,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525837 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.19 | 2.19 | 50,000,000 | 49,996,958 | - | - | 3,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525838 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.19 | 2.19 | 50,000,000 | 49,996,958 | - | - | 3,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525839 | BONY | 93 RBC | | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.19 | 2.19 | 50,000,000 | 49,996,958 | - | - | 3,042 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525846 | BONY | 93 DAIWA | | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.05 | 2.05 | 38,622,000 | 38,622,000 | - | - | 2,199 | - | - | 38,624,199 |
| FUND 1000 | COMM PAPER | 525868 | BONY | 93 RBC | | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525869 | BONY | 93 RBC | | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525870 | BONY | 93 RBC | | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525871 | BONY | 93 RBC | | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.16 | 2.16 | 35,000,000 | 34,997,900 | 2,100 | - | - | - | - | 34,997,900 |
| FUND 1000 | COMM PAPER | 525872 | BONY | 93 MERIL | | 8/6/2019 | 8/13/2019 | 8/6/2019 | Purchased | 2.14 | 2.141 | 50,000,000 | 49,979,194 | 20,806 | - | - | - | - | 49,979,194 |
| FUND 1000 | COMM PAPER | 525873 | BONY | 93 MERIL | | 8/6/2019 | 8/13/2019 | 8/6/2019 | Purchased | 2.14 | 2.141 | 50,000,000 | 49,979,194 | 20,806 | - | - | - | - | 49,979,194 |
| FUND 1000 | REPO INT | 525876 | BONY | 93 DAIWA | | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.05 | 2.05 | 33,858,000 | 33,858,000 | - | - | - | - | - | 33,858,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525740 | BONY | 93 MERIL | MERIL | 7/24/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.29 | 2.292 | 50,000,000 | 49,955,472 | - | - | 44,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525741 | BONY | 93 MERIL | MERIL | 7/24/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.29 | 2.292 | 50,000,000 | 49,955,472 | - | - | 44,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525809 | BONY | 93 RBC | RBC | 7/31/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.14 | 2.141 | 50,000,000 | 49,979,194 | - | - | 20,806 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525868 | BONY | 93 RBC | RBC | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525869 | BONY | 93 RBC | RBC | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525870 | BONY | 93 RBC | RBC | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525871 | BONY | 93 RBC | RBC | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.16 | 2.16 | 35,000,000 | 34,997,900 | - | - | 2,100 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 525876 | BONY | 93 DAIWA | DAIWA | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.05 | 2.05 | 33,858,000 | 33,858,000 | - | - | 1,928 | - | - | 33,859,928 |
| FUND 1000 | COMM PAPER | 525877 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525878 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525879 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525880 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.16 | 2.16 | 30,000,000 | 29,998,200 | 1,800 | - | - | - | - | 29,998,200 |
| FUND 1000 | COMM PAPER | 525881 | BONY | 93 MERIL | MERIL | 8/7/2019 | 8/14/2019 | 8/7/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,979,583 | 20,417 | - | - | - | - | 49,979,583 |
| FUND 1000 | COMM PAPER | 525882 | BONY | 93 MERIL | MERIL | 8/7/2019 | 8/14/2019 | 8/7/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,979,583 | 20,417 | - | - | - | - | 49,979,583 |
| FUND 1000 | COMM PAPER | 525885 | BONY | 93 CANT | CANT | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.1 | 2.1 | 50,000,000 | 49,997,083 | 2,917 | - | - | - | - | 49,997,083 |
| FUND 1000 | COMM PAPER | 525886 | BONY | 93 CANT | CANT | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2.1 | 2.1 | 25,000,000 | 24,998,542 | 1,458 | - | - | - | - | 24,998,542 |
| FUND 1000 | REPO INT | 525888 | BONY | 93 DAIWA | DAIWA | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2 | 2 | 18,101,000 | 18,101,000 | - | - | - | - | - | 18,101,000 |
| FUND 1000 | COMM PAPER | 525877 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525878 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525879 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525880 | BONY | 93 RBC | RBC | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.16 | 2.16 | 30,000,000 | 29,998,200 | - | - | 1,800 | - | - | 30,000,000 |
| FUND 1000 | COMM PAPER | 525885 | BONY | 93 CANT | CANT | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.1 | 2.1 | 50,000,000 | 49,997,083 | - | - | 2,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525886 | BONY | 93 CANT | CANT | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.1 | 2.1 | 25,000,000 | 24,998,542 | - | - | 1,458 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 525888 | BONY | 93 DAIWA | DAIWA | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2 | 2 | 18,101,000 | 18,101,000 | - | - | 1,006 | - | - | 18,102,006 |
| FUND 1000 | FHLB NOTES | 525893 | BONY | 93 RBC | RBC | 8/8/2019 | 10/10/2019 | 8/8/2019 | Purchased | 2 | 2.007 | 481,000 | 479,317 | 1,684 | - | - | - | - | 479,317 |
| FUND 1000 | COMM PAPER | 525894 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525895 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525896 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525897 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.1 | 2.1 | 50,000,000 | 49,997,083 | 2,917 | - | - | - | - | 49,997,083 |
| FUND 1000 | COMM PAPER | 525898 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.1 | 2.1 | 50,000,000 | 49,997,083 | 2,917 | - | - | - | - | 49,997,083 |
| FUND 1000 | COMM PAPER | 525899 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.1 | 2.1 | 20,000,000 | 19,998,833 | 1,167 | - | - | - | - | 19,998,833 |
| FUND 1000 | FHLB NOTES | 525900 | BONY | 93 CANT | CANT | 8/8/2019 | 8/15/2019 | 8/8/2019 | Purchased | 1.95 | 1.951 | 4,302,000 | 4,300,369 | 1,631 | - | - | - | - | 4,300,369 |
| FUND 1000 | REPO INT | 525906 | BONY | 93 DAIWA | DAIWA | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.05 | 2.05 | 12,947,000 | 12,947,000 | - | - | - | - | - | 12,947,000 |
| FUND 1000 | COMM PAPER | 525894 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525895 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525896 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525897 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.1 | 2.1 | 50,000,000 | 49,997,083 | - | - | 2,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525898 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.1 | 2.1 | 50,000,000 | 49,997,083 | - | - | 2,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525899 | BONY | 93 MERIL | MERIL | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.1 | 2.1 | 20,000,000 | 19,998,833 | - | - | 1,167 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 525906 | BONY | 93 DAIWA | DAIWA | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.05 | 2.05 | 12,947,000 | 12,947,000 | - | - | 737 | - | - | 12,947,737 |
| FUND 1000 | COMM PAPER | 525921 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/9/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 525922 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/9/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 525923 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/9/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 525924 | BONY | 93 MERIL | MERIL | 8/9/2019 | 8/16/2019 | 8/9/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,979,583 | 20,417 | - | - | - | - | 49,979,583 |
| FUND 1000 | COMM PAPER | 525925 | BONY | 93 MERIL | MERIL | 8/9/2019 | 8/16/2019 | 8/9/2019 | Purchased | 2.1 | 2.101 | 20,000,000 | 19,991,833 | 8,167 | - | - | - | - | 19,991,833 |
| FUND 1000 | REPO INT | 525931 | BONY | 93 DAIWA | DAIWA | 8/9/2019 | 8/12/2019 | 8/9/2019 | Purchased | 2.05 | 2.05 | 16,112,000 | 16,112,000 | - | - | - | - | - | 16,112,000 |
| FUND 1000 | COMM PAPER | 525840 | BONY | 93 CANT | CANT | 8/5/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525841 | BONY | 93 CANT | CANT | 8/5/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525921 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525922 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525923 | BONY | 93 RBC | RBC | 8/9/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525931 | BONY | 93 DAIWA | DAIWA | 8/9/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.05 | 2.05 | 16,112,000 | 16,112,000 | - | - | 2,752 | - | - | 16,114,752 |
| FUND 1000 | COMM PAPER | 525935 | BONY | 93 CANT | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 525936 | BONY | 93 CANT | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525937 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 525938 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525939 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525940 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | REPO INT | 525943 | BONY | 93 | DAIWA | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.05 | 2.05 | 67,351,000 | 67,351,000 | - | - | - | - | - | 67,351,000 |
| FUND 1000 | COMM PAPER | 525872 | BONY | 93 | MERIL | 8/6/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.14 | 2.141 | 50,000,000 | 49,979,194 | - | - | 20,806 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525873 | BONY | 93 | MERIL | 8/6/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.14 | 2.141 | 50,000,000 | 49,979,194 | - | - | 20,806 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525935 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525936 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525937 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525938 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525939 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525940 | BONY | 93 | CANT | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525943 | BONY | 93 | DAIWA | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.05 | 2.05 | 67,351,000 | 67,351,000 | - | - | 3,835 | - | - | 67,354,835 |
| FUND 1000 | COMM PAPER | 525949 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525950 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525951 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525952 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525953 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525954 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525955 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525956 | BONY | 93 | MERIL | 8/13/2019 | 8/16/2019 | 8/13/2019 | Purchased | 2.12 | 2.12 | 50,000,000 | 49,991,167 | 8,833 | - | - | - | - | 49,991,167 |
| FUND 1000 | COMM PAPER | 525957 | BONY | 93 | MERIL | 8/13/2019 | 8/16/2019 | 8/13/2019 | Purchased | 2.12 | 2.12 | 20,000,000 | 19,996,467 | 3,533 | - | - | - | - | 19,996,467 |
| FUND 1000 | REPO INT | 525963 | BONY | 93 | DAIWA | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2 | 2 | 47,686,000 | 47,686,000 | - | - | - | - | - | 47,686,000 |
| FUND 1000 | COMM PAPER | 525881 | BONY | 93 | MERIL | 8/7/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,979,583 | - | - | 20,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525882 | BONY | 93 | MERIL | 8/7/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,979,583 | - | - | 20,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525949 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525950 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525951 | BONY | 93 | RBC | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525952 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525953 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525954 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525955 | BONY | 93 | MERIL | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 525963 | BONY | 93 | DAIWA | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2 | 2 | 47,686,000 | 47,686,000 | - | - | 2,649 | - | - | 47,688,649 |
| FUND 1000 | COMM PAPER | 525970 | BONY | 93 | CANT | 8/14/2019 | 8/20/2019 | 8/14/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 1000 | COMM PAPER | 525971 | BONY | 93 | CANT | 8/14/2019 | 8/20/2019 | 8/14/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 1000 | COMM PAPER | 525972 | BONY | 93 | CANT | 8/14/2019 | 8/20/2019 | 8/14/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 1000 | COMM PAPER | 525973 | BONY | 93 | CANT | 8/14/2019 | 8/20/2019 | 8/14/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 1000 | COMM PAPER | 525974 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525975 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525976 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,997,000 | 3,000 | - | - | - | - | 49,997,000 |
| FUND 1000 | COMM PAPER | 525977 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525978 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 525980 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.09 | 2.09 | 35,000,000 | 34,997,968 | 2,032 | - | - | - | - | 34,997,968 |
| FUND 1000 | REPO INT | 525986 | BONY | 93 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.05 | 2.05 | 24,555,000 | 24,555,000 | - | - | - | - | - | 24,555,000 |
| FUND 1000 | FHLB NOTES | 525900 | BONY | 93 | CANT | 8/8/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.95 | 1.951 | 4,302,000 | 4,300,369 | - | - | 1,631 | - | - | 4,302,000 |
| FUND 1000 | COMM PAPER | 525974 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525975 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525976 | BONY | 93 | RBC | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,997,000 | - | - | 3,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525977 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525978 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525980 | BONY | 93 | CANT | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.09 | 2.09 | 35,000,000 | 34,997,968 | - | - | 2,032 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 525986 | BONY | 93 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.05 | 2.05 | 24,555,000 | 24,555,000 | - | - | 1,398 | - | - | 24,556,398 |
| FUND 1000 | COMM PAPER | 525988 | BONY | 93 | RBC | 8/15/2019 | 8/19/2019 | 8/15/2019 | Purchased | 2.09 | 2.09 | 48,505,000 | 48,493,736 | 11,264 | - | - | - | - | 48,493,736 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 525989 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/15/2019 | Purchased | 2.18 | 2.18 | 50,000,000 | 49,996,972 | 3,028 | - | - | - | - | 49,996,972 |
| FUND 1000 | COMM PAPER | 525990 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/15/2019 | Purchased | 2.18 | 2.18 | 50,000,000 | 49,996,972 | 3,028 | - | - | - | - | 49,996,972 |
| FUND 1000 | COMM PAPER | 525991 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/15/2019 | Purchased | 2.18 | 2.18 | 50,000,000 | 49,996,972 | 3,028 | - | - | - | - | 49,996,972 |
| FUND 1000 | REPO INT | 526007 | BONY | 93 DAIWA | | 8/15/2019 | 8/16/2019 | 8/15/2019 | Purchased | 2.05 | 2.05 | 29,414,000 | 29,414,000 | - | - | - | - | - | 29,414,000 |
| FUND 1000 | COMM PAPER | 525924 | BONY | 93 MERIL | | 8/9/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,979,583 | - | - | 20,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525925 | BONY | 93 MERIL | | 8/9/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.1 | 2.101 | 20,000,000 | 19,991,833 | - | - | 8,167 | - | - | 20,000,000 |
| FUND 1000 | COMM PAPER | 525956 | BONY | 93 MERIL | | 8/13/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.12 | 2.12 | 50,000,000 | 49,991,167 | - | - | 8,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525957 | BONY | 93 MERIL | | 8/13/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.12 | 2.12 | 20,000,000 | 19,996,467 | - | - | 3,533 | - | - | 20,000,000 |
| FUND 1000 | COMM PAPER | 525989 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.18 | 2.18 | 50,000,000 | 49,996,972 | - | - | 3,028 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525990 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.18 | 2.18 | 50,000,000 | 49,996,972 | - | - | 3,028 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525991 | BONY | 93 RBC | | 8/15/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.18 | 2.18 | 50,000,000 | 49,996,972 | - | - | 3,028 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526007 | BONY | 93 DAIWA | | 8/15/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.05 | 2.05 | 29,414,000 | 29,414,000 | - | - | 1,675 | - | - | 29,415,675 |
| FUND 1000 | COMM PAPER | 526008 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,991,000 | 9,000 | - | - | - | - | 49,991,000 |
| FUND 1000 | COMM PAPER | 526009 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,991,000 | 9,000 | - | - | - | - | 49,991,000 |
| FUND 1000 | COMM PAPER | 526010 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.16 | 2.16 | 50,000,000 | 49,991,000 | 9,000 | - | - | - | - | 49,991,000 |
| FUND 1000 | COMM PAPER | 526011 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526012 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526013 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.09 | 2.09 | 25,000,000 | 24,995,646 | 4,354 | - | - | - | - | 24,995,646 |
| FUND 1000 | REPO INT | 526016 | BONY | 93 DAIWA | | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.05 | 2.05 | 25,746,000 | 25,746,000 | - | - | - | - | - | 25,746,000 |
| FUND 1000 | COMM PAPER | 525842 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.08 | 2.082 | 50,000,000 | 49,959,556 | - | - | 40,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525843 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.08 | 2.082 | 50,000,000 | 49,959,556 | - | - | 40,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525844 | BONY | 93 CANT | | 8/5/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.08 | 2.082 | 50,000,000 | 49,959,556 | - | - | 40,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525988 | BONY | 93 RBC | | 8/15/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 48,505,000 | 48,493,736 | - | - | 11,264 | - | - | 48,505,000 |
| FUND 1000 | COMM PAPER | 526008 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,991,000 | - | - | 9,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526009 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,991,000 | - | - | 9,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526010 | BONY | 93 RBC | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.16 | 2.16 | 50,000,000 | 49,991,000 | - | - | 9,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526011 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526012 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526013 | BONY | 93 MERIL | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 25,000,000 | 24,995,646 | - | - | 4,354 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526016 | BONY | 93 DAIWA | | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.05 | 2.05 | 25,746,000 | 25,746,000 | - | - | 4,398 | - | - | 25,750,398 |
| FUND 1000 | COMM PAPER | 526018 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526019 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526020 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526021 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526022 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.09 | 2.09 | 40,000,000 | 39,997,678 | 2,322 | - | - | - | - | 39,997,678 |
| FUND 1000 | COMM PAPER | 526023 | BONY | 93 MERIL | | 8/19/2019 | 8/27/2019 | 8/19/2019 | Purchased | 2.07 | 2.071 | 50,000,000 | 49,977,000 | 23,000 | - | - | - | - | 49,977,000 |
| FUND 1000 | COMM PAPER | 526024 | BONY | 93 MERIL | | 8/19/2019 | 8/27/2019 | 8/19/2019 | Purchased | 2.07 | 2.071 | 50,000,000 | 49,977,000 | 23,000 | - | - | - | - | 49,977,000 |
| FUND 1000 | COMM PAPER | 526025 | BONY | 93 MERIL | | 8/19/2019 | 9/3/2019 | 8/19/2019 | Purchased | 2.09 | 2.092 | 50,000,000 | 49,956,458 | 43,542 | - | - | - | - | 49,956,458 |
| FUND 1000 | COMM PAPER | 526026 | BONY | 93 MERIL | | 8/19/2019 | 9/3/2019 | 8/19/2019 | Purchased | 2.09 | 2.092 | 50,000,000 | 49,956,458 | 43,542 | - | - | - | - | 49,956,458 |
| FUND 1000 | REPO INT | 526033 | BONY | 93 DAIWA | | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.05 | 2.05 | 39,371,000 | 39,371,000 | - | - | - | - | - | 39,371,000 |
| FUND 1000 | COMM PAPER | 525970 | BONY | 93 CANT | | 8/14/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525971 | BONY | 93 CANT | | 8/14/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525972 | BONY | 93 CANT | | 8/14/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 525973 | BONY | 93 CANT | | 8/14/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526018 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526019 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526020 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526021 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526022 | BONY | 93 MERIL | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.09 | 2.09 | 40,000,000 | 39,997,678 | - | - | 2,322 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526033 | BONY | 93 DAIWA | | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.05 | 2.05 | 39,371,000 | 39,371,000 | - | - | 2,242 | - | - | 39,373,242 |
| FUND 1000 | COMM PAPER | 526054 | BONY | 93 RBC | | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526055 | BONY | 93 RBC | | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526056 | BONY | 93 RBC | | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526057 | BONY | 93 WELLB | | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526058 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526059 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526060 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526061 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.08 | 2.08 | 50,000,000 | 49,997,111 | 2,889 | - | - | - | - | 49,997,111 |
| FUND 1000 | COMM PAPER | 526062 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.08 | 2.08 | 50,000,000 | 49,997,111 | 2,889 | - | - | - | - | 49,997,111 |
| FUND 1000 | COMM PAPER | 526063 | BONY | 93 | WELLB | 8/20/2019 | 8/27/2019 | 8/20/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | COMM PAPER | 526064 | BONY | 93 | WELLB | 8/20/2019 | 8/27/2019 | 8/20/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | REPO INT | 526069 | BONY | 93 | DAIWA | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.05 | 2.05 | 39,241,000 | 39,241,000 | - | - | - | - | - | 39,241,000 |
| FUND 1000 | COMM PAPER | 526054 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526055 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526056 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526057 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526058 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526059 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526060 | BONY | 93 | WELLB | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526061 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.08 | 2.08 | 50,000,000 | 49,997,111 | - | - | 2,889 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526062 | BONY | 93 | RBC | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.08 | 2.08 | 50,000,000 | 49,997,111 | - | - | 2,889 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526069 | BONY | 93 | DAIWA | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.05 | 2.05 | 39,241,000 | 39,241,000 | - | - | 2,235 | - | - | 39,243,235 |
| FUND 1000 | COMM PAPER | 526073 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526074 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526075 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526076 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.11 | 2.11 | 50,000,000 | 49,997,069 | 2,931 | - | - | - | - | 49,997,069 |
| FUND 1000 | COMM PAPER | 526077 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.11 | 2.11 | 50,000,000 | 49,997,069 | 2,931 | - | - | - | - | 49,997,069 |
| FUND 1000 | COMM PAPER | 526078 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.11 | 2.11 | 50,000,000 | 49,997,069 | 2,931 | - | - | - | - | 49,997,069 |
| FUND 1000 | COMM PAPER | 526079 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.11 | 2.11 | 50,000,000 | 49,997,069 | 2,931 | - | - | - | - | 49,997,069 |
| FUND 1000 | COMM PAPER | 526080 | BONY | 93 | MERIL | 8/21/2019 | 8/28/2019 | 8/21/2019 | Purchased | 2.11 | 2.111 | 50,000,000 | 49,979,486 | 20,514 | - | - | - | - | 49,979,486 |
| FUND 1000 | COMM PAPER | 526081 | BONY | 93 | MERIL | 8/21/2019 | 8/28/2019 | 8/21/2019 | Purchased | 2.11 | 2.111 | 50,000,000 | 49,979,486 | 20,514 | - | - | - | - | 49,979,486 |
| FUND 1000 | REPO INT | 526086 | BONY | 93 | DAIWA | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.05 | 2.05 | 32,507,000 | 32,507,000 | - | - | - | - | - | 32,507,000 |
| FUND 1000 | COMM PAPER | 526073 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526074 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526075 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526076 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.11 | 2.11 | 50,000,000 | 49,997,069 | - | - | 2,931 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526077 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.11 | 2.11 | 50,000,000 | 49,997,069 | - | - | 2,931 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526078 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.11 | 2.11 | 50,000,000 | 49,997,069 | - | - | 2,931 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526079 | BONY | 93 | RBC | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.11 | 2.11 | 50,000,000 | 49,997,069 | - | - | 2,931 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526086 | BONY | 93 | DAIWA | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.05 | 2.05 | 32,507,000 | 32,507,000 | - | - | 1,851 | - | - | 32,508,851 |
| FUND 1000 | COMM PAPER | 526097 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526098 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526099 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526100 | BONY | 93 | RBC | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526101 | BONY | 93 | RBC | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526102 | BONY | 93 | MERIL | 8/22/2019 | 9/5/2019 | 8/22/2019 | Purchased | 2.12 | 2.122 | 50,000,000 | 49,958,778 | 41,222 | - | - | - | - | 49,958,778 |
| FUND 1000 | COMM PAPER | 526103 | BONY | 93 | MERIL | 8/22/2019 | 9/5/2019 | 8/22/2019 | Purchased | 2.12 | 2.122 | 50,000,000 | 49,958,778 | 41,222 | - | - | - | - | 49,958,778 |
| FUND 1000 | REPO INT | 526111 | BONY | 93 | DAIWA | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.05 | 2.05 | 36,499,000 | 36,499,000 | - | - | - | - | - | 36,499,000 |
| FUND 1000 | COMM PAPER | 526097 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526098 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526099 | BONY | 93 | MERIL | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526100 | BONY | 93 | RBC | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526101 | BONY | 93 | RBC | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526111 | BONY | 93 | DAIWA | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.05 | 2.05 | 36,499,000 | 36,499,000 | - | - | 2,078 | - | - | 36,501,078 |
| FUND 1000 | COMM PAPER | 526115 | BONY | 93 | RBC | 8/23/2019 | 8/26/2019 | 8/23/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526116 | BONY | 93 | RBC | 8/23/2019 | 8/26/2019 | 8/23/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526117 | BONY | 93 | RBC | 8/23/2019 | 8/26/2019 | 8/23/2019 | Purchased | 2.09 | 2.09 | 25,000,000 | 24,995,646 | 4,354 | - | - | - | - | 24,995,646 |
| FUND 1000 | REPO INT | 526120 | BONY | 93 | DAIWA | 8/23/2019 | 8/26/2019 | 8/23/2019 | Purchased | 2.05 | 2.05 | 19,991,000 | 19,991,000 | - | - | - | - | - | 19,991,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526115 | BONY | 93 RBC | RBC | 8/23/2019 | 8/26/2019 | 8/26/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526116 | BONY | 93 RBC | RBC | 8/23/2019 | 8/26/2019 | 8/26/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526117 | BONY | 93 RBC | RBC | 8/23/2019 | 8/26/2019 | 8/26/2019 | Matured | 2.09 | 2.09 | 25,000,000 | 24,995,646 | - | - | 4,354 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526120 | BONY | 93 DAIWA | DAIWA | 8/23/2019 | 8/26/2019 | 8/26/2019 | Matured | 2.05 | 2.05 | 19,991,000 | 19,991,000 | - | - | 3,415 | - | - | 19,994,415 |
| FUND 1000 | COMM PAPER | 526122 | BONY | 93 MERIL | MERIL | 8/26/2019 | 8/27/2019 | 8/26/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526123 | BONY | 93 MERIL | MERIL | 8/26/2019 | 8/27/2019 | 8/26/2019 | Purchased | 2.09 | 2.09 | 40,000,000 | 39,997,678 | 2,322 | - | - | - | - | 39,997,678 |
| FUND 1000 | REPO INT | 526126 | BONY | 93 DAIWA | DAIWA | 8/26/2019 | 8/27/2019 | 8/26/2019 | Purchased | 2.05 | 2.05 | 20,218,000 | 20,218,000 | - | - | - | - | - | 20,218,000 |
| FUND 1000 | COMM PAPER | 526023 | BONY | 93 MERIL | MERIL | 8/19/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.07 | 2.071 | 50,000,000 | 49,977,000 | - | - | 23,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526024 | BONY | 93 MERIL | MERIL | 8/19/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.07 | 2.071 | 50,000,000 | 49,977,000 | - | - | 23,000 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526063 | BONY | 93 WELLB | WELLB | 8/20/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526064 | BONY | 93 WELLB | WELLB | 8/20/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526122 | BONY | 93 MERIL | MERIL | 8/26/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526123 | BONY | 93 MERIL | MERIL | 8/26/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.09 | 2.09 | 40,000,000 | 39,997,678 | - | - | 2,322 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526126 | BONY | 93 DAIWA | DAIWA | 8/26/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.05 | 2.05 | 20,218,000 | 20,218,000 | - | - | 1,151 | - | - | 20,219,151 |
| FUND 1000 | COMM PAPER | 526134 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 526135 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 526136 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 526137 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526138 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | REPO INT | 526139 | BONY | 93 DAIWA | DAIWA | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.06 | 2.06 | 33,170,000 | 33,170,000 | - | - | - | - | - | 33,170,000 |
| FUND 1000 | COMM PAPER | 526080 | BONY | 93 MERIL | MERIL | 8/21/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.11 | 2.111 | 50,000,000 | 49,979,486 | - | - | 20,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526081 | BONY | 93 MERIL | MERIL | 8/21/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.11 | 2.111 | 50,000,000 | 49,979,486 | - | - | 20,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526134 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526135 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526136 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526137 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526138 | BONY | 93 CANT | CANT | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526139 | BONY | 93 DAIWA | DAIWA | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.06 | 2.06 | 33,170,000 | 33,170,000 | - | - | 1,898 | - | - | 33,171,898 |
| FUND 1000 | COMM PAPER | 526141 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 526142 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.14 | 2.14 | 50,000,000 | 49,997,028 | 2,972 | - | - | - | - | 49,997,028 |
| FUND 1000 | COMM PAPER | 526143 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526144 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526145 | BONY | 93 MERIL | MERIL | 8/28/2019 | 9/4/2019 | 8/28/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,979,583 | 20,417 | - | - | - | - | 49,979,583 |
| FUND 1000 | COMM PAPER | 526146 | BONY | 93 MERIL | MERIL | 8/28/2019 | 9/4/2019 | 8/28/2019 | Purchased | 2.1 | 2.101 | 50,000,000 | 49,979,583 | 20,417 | - | - | - | - | 49,979,583 |
| FUND 1000 | REPO INT | 526147 | BONY | 93 DAIWA | DAIWA | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.05 | 2.05 | 25,727,000 | 25,727,000 | - | - | - | - | - | 25,727,000 |
| FUND 1000 | T-BILL | 524146 | BONY | 93 DAIWA | DAIWA | 2/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.44 | 2.47 | 1,630,000 | 1,609,893 | - | - | 20,107 | - | - | 1,630,000 |
| FUND 1000 | COMM PAPER | 526141 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526142 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.14 | 2.14 | 50,000,000 | 49,997,028 | - | - | 2,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526143 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526144 | BONY | 93 MERIL | MERIL | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526147 | BONY | 93 DAIWA | DAIWA | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.05 | 2.05 | 25,727,000 | 25,727,000 | - | - | 1,465 | - | - | 25,728,465 |
| FUND 1000 | COMM PAPER | 526154 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.12 | 2.12 | 50,000,000 | 49,997,056 | 2,944 | - | - | - | - | 49,997,056 |
| FUND 1000 | COMM PAPER | 526155 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.12 | 2.12 | 50,000,000 | 49,997,056 | 2,944 | - | - | - | - | 49,997,056 |
| FUND 1000 | COMM PAPER | 526156 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526157 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.09 | 2.09 | 15,000,000 | 14,999,129 | 871 | - | - | - | - | 14,999,129 |
| FUND 1000 | COMM PAPER | 526158 | BONY | 93 CANT | CANT | 8/29/2019 | 9/4/2019 | 8/29/2019 | Purchased | 2.07 | 2.071 | 50,000,000 | 49,982,750 | 17,250 | - | - | - | - | 49,982,750 |
| FUND 1000 | T-BILL | 526162 | BONY | 93 DAIWA | DAIWA | 8/29/2019 | 2/27/2020 | 8/29/2019 | Purchased | 1.835 | 1.852 | 1,630,000 | 1,614,879 | 15,121 | - | - | - | - | 1,614,879 |
| FUND 1000 | REPO INT | 526167 | BONY | 93 DAIWA | DAIWA | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.05 | 2.05 | 30,831,000 | 30,831,000 | - | - | - | - | - | 30,831,000 |
| FUND 1000 | COMM PAPER | 526154 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.12 | 2.12 | 50,000,000 | 49,997,056 | - | - | 2,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526155 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.12 | 2.12 | 50,000,000 | 49,997,056 | - | - | 2,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526156 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526157 | BONY | 93 CANT | CANT | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.09 | 2.09 | 15,000,000 | 14,999,129 | - | - | 871 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 526167 | BONY | 93 DAIWA | DAIWA | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.05 | 2.05 | 30,831,000 | 30,831,000 | - | - | 1,756 | - | - | 30,832,756 |
| FUND 1000 | COMM PAPER | 526169 | BONY | 93 RBC | RBC | 8/30/2019 | 9/3/2019 | 8/30/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,988,389 | 11,611 | - | - | - | - | 49,988,389 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526170 | BONY | 93 RBC | | 8/30/2019 | 9/3/2019 | 8/30/2019 | Purchased | 2.09 | 2.09 | 40,000,000 | 39,990,711 | 9,289 | - | - | - | - | 39,990,711 |
| FUND 1000 | COMM PAPER | 526171 | BONY | 93 RBC | | 8/30/2019 | 9/3/2019 | 8/30/2019 | Purchased | 2.15 | 2.151 | 40,000,000 | 39,990,444 | 9,556 | - | - | - | - | 39,990,444 |
| FUND 1000 | REPO INT | 526172 | BONY | 93 DAIWA | | 8/30/2019 | 9/3/2019 | 8/30/2019 | Purchased | 2.05 | 2.05 | 18,407,000 | 18,407,000 | - | - | - | - | - | 18,407,000 |
| FUND 1000 | COMM PAPER | 526025 | BONY | 93 MERIL | | 8/19/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.09 | 2.092 | 50,000,000 | 49,956,458 | - | - | 43,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526026 | BONY | 93 MERIL | | 8/19/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.09 | 2.092 | 50,000,000 | 49,956,458 | - | - | 43,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526169 | BONY | 93 RBC | | 8/30/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,988,389 | - | - | 11,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526170 | BONY | 93 RBC | | 8/30/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.09 | 2.09 | 40,000,000 | 39,990,711 | - | - | 9,289 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 526171 | BONY | 93 RBC | | 8/30/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.15 | 2.151 | 40,000,000 | 39,990,444 | - | - | 9,556 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526172 | BONY | 93 DAIWA | | 8/30/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.05 | 2.05 | 18,407,000 | 18,407,000 | - | - | 4,193 | - | - | 18,411,193 |
| FUND 1000 | COMM PAPER | 526174 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/3/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526175 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/3/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526176 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/3/2019 | Purchased | 2.15 | 2.15 | 15,000,000 | 14,999,104 | 896 | - | - | - | - | 14,999,104 |
| FUND 1000 | COMM PAPER | 526177 | BONY | 93 MERIL | | 9/3/2019 | 9/10/2019 | 9/3/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | COMM PAPER | 526178 | BONY | 93 MERIL | | 9/3/2019 | 9/10/2019 | 9/3/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | REPO INT | 526190 | BONY | 93 DAIWA | | 9/3/2019 | 9/4/2019 | 9/3/2019 | Purchased | 2.05 | 2.05 | 13,861,000 | 13,861,000 | - | - | - | - | - | 13,861,000 |
| FUND 1000 | COMM PAPER | 526145 | BONY | 93 MERIL | | 8/28/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,979,583 | - | - | 20,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526146 | BONY | 93 MERIL | | 8/28/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.1 | 2.101 | 50,000,000 | 49,979,583 | - | - | 20,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526158 | BONY | 93 CANT | | 8/29/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.07 | 2.071 | 50,000,000 | 49,982,750 | - | - | 17,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526174 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526175 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526176 | BONY | 93 MERIL | | 9/3/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.15 | 2.15 | 15,000,000 | 14,999,104 | - | - | 896 | - | - | 15,000,000 |
| FUND 1000 | REPO INT | 526190 | BONY | 93 DAIWA | | 9/3/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.05 | 2.05 | 13,861,000 | 13,861,000 | - | - | 789 | - | - | 13,861,789 |
| FUND 1000 | COMM PAPER | 526194 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526195 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526196 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.15 | 2.15 | 20,000,000 | 19,998,806 | 1,194 | - | - | - | - | 19,998,806 |
| FUND 1000 | COMM PAPER | 526197 | BONY | 93 CANT | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526198 | BONY | 93 CANT | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | REPO INT | 526203 | BONY | 93 DAIWA | | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.1 | 2.1 | 20,930,000 | 20,930,000 | - | - | - | - | - | 20,930,000 |
| FUND 1000 | COMM PAPER | 526102 | BONY | 93 MERIL | | 8/22/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.12 | 2.122 | 50,000,000 | 49,958,778 | - | - | 41,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526103 | BONY | 93 MERIL | | 8/22/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.12 | 2.122 | 50,000,000 | 49,958,778 | - | - | 41,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526194 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526195 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526196 | BONY | 93 RBC | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.15 | 2.15 | 20,000,000 | 19,998,806 | - | - | 1,194 | - | - | 20,000,000 |
| FUND 1000 | COMM PAPER | 526197 | BONY | 93 CANT | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526198 | BONY | 93 CANT | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526203 | BONY | 93 DAIWA | | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.1 | 2.1 | 20,930,000 | 20,930,000 | - | - | 1,221 | - | - | 20,931,221 |
| FUND 1000 | COMM PAPER | 526204 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526205 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526206 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526207 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526208 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.09 | 2.09 | 35,000,000 | 34,997,968 | 2,032 | - | - | - | - | 34,997,968 |
| FUND 1000 | COMM PAPER | 526209 | BONY | 93 MERIL | | 9/5/2019 | 9/12/2019 | 9/5/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | COMM PAPER | 526210 | BONY | 93 MERIL | | 9/5/2019 | 9/12/2019 | 9/5/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | COMM PAPER | 526211 | BONY | 93 MERIL | | 9/5/2019 | 9/19/2019 | 9/5/2019 | Purchased | 2.07 | 2.072 | 50,000,000 | 49,959,750 | 40,250 | - | - | - | - | 49,959,750 |
| FUND 1000 | REPO INT | 526222 | BONY | 93 DAIWA | | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.1 | 2.1 | 31,189,000 | 31,189,000 | - | - | - | - | - | 31,189,000 |
| FUND 1000 | COMM PAPER | 526204 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526205 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526206 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526207 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526208 | BONY | 93 CANT | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.09 | 2.09 | 35,000,000 | 34,997,968 | - | - | 2,032 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 526222 | BONY | 93 DAIWA | | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.1 | 2.1 | 31,189,000 | 31,189,000 | - | - | 1,819 | - | - | 31,190,819 |
| FUND 1000 | COMM PAPER | 526257 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,991,042 | 8,958 | - | - | - | - | 49,991,042 |
| FUND 1000 | COMM PAPER | 526258 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,991,042 | 8,958 | - | - | - | - | 49,991,042 |
| FUND 1000 | COMM PAPER | 526259 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,991,042 | 8,958 | - | - | - | - | 49,991,042 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526260 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526261 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.09 | 2.09 | 40,000,000 | 39,993,033 | 6,967 | - | - | - | - | 39,993,033 |
| FUND 1000 | COMM PAPER | 526262 | BONY | 93 RBC | | 9/6/2019 | 9/17/2019 | 9/6/2019 | Purchased | 2.08 | 2.081 | 50,000,000 | 49,968,222 | 31,778 | - | - | - | - | 49,968,222 |
| FUND 1000 | REPO INT | 526266 | BONY | 93 DAIWA | | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.1 | 2.1 | 37,271,000 | 37,271,000 | - | - | - | - | - | 37,271,000 |
| FUND 1000 | COMM PAPER | 526257 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,991,042 | - | - | 8,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526258 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,991,042 | - | - | 8,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526259 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,991,042 | - | - | 8,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526260 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526261 | BONY | 93 RBC | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.09 | 2.09 | 40,000,000 | 39,993,033 | - | - | 6,967 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526266 | BONY | 93 DAIWA | | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.1 | 2.1 | 37,271,000 | 37,271,000 | - | - | 6,522 | - | - | 37,277,522 |
| FUND 1000 | COMM PAPER | 526268 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526269 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526270 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526271 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.09 | 2.09 | 45,000,000 | 44,997,388 | 2,613 | - | - | - | - | 44,997,388 |
| FUND 1000 | REPO INT | 526274 | BONY | 93 DAIWA | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.05 | 2.05 | 43,661,000 | 43,661,000 | - | - | - | - | - | 43,661,000 |
| FUND 1000 | COMM PAPER | 526277 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526177 | BONY | 93 MERIL | | 9/3/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526178 | BONY | 93 MERIL | | 9/3/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526268 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526269 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526270 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526271 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.09 | 2.09 | 45,000,000 | 44,997,388 | - | - | 2,613 | - | - | 45,000,000 |
| FUND 1000 | REPO INT | 526274 | BONY | 93 DAIWA | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.05 | 2.05 | 43,661,000 | 43,661,000 | - | - | 2,486 | - | - | 43,663,486 |
| FUND 1000 | COMM PAPER | 526277 | BONY | 93 MERIL | | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526278 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526279 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526280 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526281 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526282 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526283 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526284 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.09 | 2.09 | 20,000,000 | 19,998,839 | 1,161 | - | - | - | - | 19,998,839 |
| FUND 1000 | COMM PAPER | 526285 | BONY | 93 CANT | | 9/10/2019 | 9/17/2019 | 9/10/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | COMM PAPER | 526286 | BONY | 93 CANT | | 9/10/2019 | 9/17/2019 | 9/10/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | REPO INT | 526306 | BONY | 93 DAIWA | | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.05 | 2.05 | 23,916,000 | 23,916,000 | - | - | - | - | - | 23,916,000 |
| FUND 1000 | COMM PAPER | 526278 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526279 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526280 | BONY | 93 RBC | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526281 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526282 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526283 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526284 | BONY | 93 CANT | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.09 | 2.09 | 20,000,000 | 19,998,839 | - | - | 1,161 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 526306 | BONY | 93 DAIWA | | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.05 | 2.05 | 23,916,000 | 23,916,000 | - | - | 1,362 | - | - | 23,917,362 |
| FUND 1000 | COMM PAPER | 526307 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526308 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526309 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526310 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526311 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526312 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | REPO INT | 526315 | BONY | 93 DAIWA | | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.05 | 2.05 | 35,463,000 | 35,463,000 | - | - | - | - | - | 35,463,000 |
| FUND 1000 | COMM PAPER | 526209 | BONY | 93 MERIL | | 9/5/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526210 | BONY | 93 MERIL | | 9/5/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526307 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526308 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526309 | BONY | 93 MERIL | | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 526310 | BONY | 93 | MERIL | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526311 | BONY | 93 | MERIL | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526312 | BONY | 93 | MERIL | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526315 | BONY | 93 | DAIWA | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.05 | 2.05 | 35,463,000 | 35,463,000 | - | - | 2,019 | - | - | 35,465,019 |
| FUND 1000 | COMM PAPER | 526316 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526317 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526318 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.15 | 2.15 | 50,000,000 | 49,997,014 | 2,986 | - | - | - | - | 49,997,014 |
| FUND 1000 | COMM PAPER | 526319 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526320 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526321 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 1000 | COMM PAPER | 526322 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.09 | 2.09 | 25,000,000 | 24,998,549 | 1,451 | - | - | - | - | 24,998,549 |
| FUND 1000 | COMM PAPER | 526323 | BONY | 93 | CANT | 9/12/2019 | 9/19/2019 | 9/12/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | COMM PAPER | 526324 | BONY | 93 | CANT | 9/12/2019 | 9/19/2019 | 9/12/2019 | Purchased | 2.09 | 2.091 | 50,000,000 | 49,979,681 | 20,319 | - | - | - | - | 49,979,681 |
| FUND 1000 | REPO INT | 526329 | BONY | 93 | DAIWA | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.05 | 2.05 | 12,341,000 | 12,341,000 | - | - | - | - | - | 12,341,000 |
| FUND 1000 | COMM PAPER | 526316 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526317 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526318 | BONY | 93 | RBC | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.15 | 2.15 | 50,000,000 | 49,997,014 | - | - | 2,986 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526319 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526320 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526321 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526322 | BONY | 93 | CANT | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.09 | 2.09 | 25,000,000 | 24,998,549 | - | - | 1,451 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526329 | BONY | 93 | DAIWA | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.05 | 2.05 | 12,341,000 | 12,341,000 | - | - | 703 | - | - | 12,341,703 |
| FUND 1000 | COMM PAPER | 526330 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 526331 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 526332 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,990,958 | 9,042 | - | - | - | - | 49,990,958 |
| FUND 1000 | COMM PAPER | 526333 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526334 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,991,292 | 8,708 | - | - | - | - | 49,991,292 |
| FUND 1000 | COMM PAPER | 526335 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.09 | 2.09 | 20,000,000 | 19,996,517 | 3,483 | - | - | - | - | 19,996,517 |
| FUND 1000 | REPO INT | 526347 | BONY | 93 | DAIWA | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.05 | 2.05 | 45,483,000 | 45,483,000 | - | - | - | - | - | 45,483,000 |
| FUND 1000 | COMM PAPER | 526330 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526331 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526332 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,990,958 | - | - | 9,042 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526333 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526334 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,991,292 | - | - | 8,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526335 | BONY | 93 | CANT | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.09 | 2.09 | 20,000,000 | 19,996,517 | - | - | 3,483 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 526347 | BONY | 93 | DAIWA | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.05 | 2.05 | 45,483,000 | 45,483,000 | - | - | 7,770 | - | - | 45,490,770 |
| FUND 1000 | COMM PAPER | 526351 | BONY | 93 | RBC | 9/16/2019 | 9/18/2019 | 9/16/2019 | Purchased | 2.25 | 2.25 | 25,000,000 | 24,996,875 | 3,125 | - | - | - | - | 24,996,875 |
| FUND 1000 | COMM PAPER | 526352 | BONY | 93 | MERIL | 9/16/2019 | 9/23/2019 | 9/16/2019 | Purchased | 1.97 | 1.971 | 50,000,000 | 49,980,847 | 19,153 | - | - | - | - | 49,980,847 |
| FUND 1000 | REPO INT | 526362 | BONY | 93 | DAIWA | 9/16/2019 | 9/17/2019 | 9/16/2019 | Purchased | 2.25 | 2.25 | 204,262,000 | 204,262,000 | - | - | - | - | - | 204,262,000 |
| FUND 1000 | COMM PAPER | 526262 | BONY | 93 | RBC | 9/6/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.08 | 2.081 | 50,000,000 | 49,968,222 | - | - | 31,778 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526285 | BONY | 93 | CANT | 9/10/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526286 | BONY | 93 | CANT | 9/10/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526362 | BONY | 93 | DAIWA | 9/16/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.25 | 2.25 | 204,262,000 | 204,262,000 | - | - | 12,766 | - | - | 204,274,766 |
| FUND 1000 | REPO INT | 526375 | BONY | 93 | DAIWA | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 5 | 5 | 228,126,000 | 228,126,000 | - | - | - | - | - | 228,126,000 |
| FUND 1000 | COMM PAPER | 526377 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 3.49 | 3.49 | 50,000,000 | 49,995,153 | 4,847 | - | - | - | - | 49,995,153 |
| FUND 1000 | COMM PAPER | 526378 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 3.49 | 3.49 | 50,000,000 | 49,995,153 | 4,847 | - | - | - | - | 49,995,153 |
| FUND 1000 | COMM PAPER | 526379 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 3.49 | 3.49 | 50,000,000 | 49,995,153 | 4,847 | - | - | - | - | 49,995,153 |
| FUND 1000 | COMM PAPER | 526351 | BONY | 93 | RBC | 9/16/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.25 | 2.25 | 25,000,000 | 24,996,875 | - | - | 3,125 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526375 | BONY | 93 | DAIWA | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 5 | 5 | 228,126,000 | 228,126,000 | - | - | 31,684 | - | - | 228,157,684 |
| FUND 1000 | COMM PAPER | 526377 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 3.49 | 3.49 | 50,000,000 | 49,995,153 | - | - | 4,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526378 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 3.49 | 3.49 | 50,000,000 | 49,995,153 | - | - | 4,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526379 | BONY | 93 | MERIL | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 3.49 | 3.49 | 50,000,000 | 49,995,153 | - | - | 4,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526382 | BONY | 93 | RBC | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 526383 | BONY | 93 | RBC | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 526384 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 1000 | COMM PAPER | 526385 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,996,986 | 3,014 | - | - | - | - | 49,996,986 |
| FUND 1000 | COMM PAPER | 526386 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.17 | 2.17 | 50,000,000 | 49,996,986 | 3,014 | - | - | - | - | 49,996,986 |
| FUND 1000 | COMM PAPER | 526387 | BONY | 93 CANT | | 9/18/2019 | 9/25/2019 | 9/18/2019 | Purchased | 2.03 | 2.031 | 50,000,000 | 49,980,264 | 19,736 | - | - | - | - | 49,980,264 |
| FUND 1000 | COMM PAPER | 526388 | BONY | 93 CANT | | 9/18/2019 | 9/25/2019 | 9/18/2019 | Purchased | 2.03 | 2.031 | 50,000,000 | 49,980,264 | 19,736 | - | - | - | - | 49,980,264 |
| FUND 1000 | COMM PAPER | 526389 | BONY | 93 MERIL | | 9/18/2019 | 10/2/2019 | 9/18/2019 | Purchased | 1.96 | 1.961 | 50,000,000 | 49,961,889 | 38,111 | - | - | - | - | 49,961,889 |
| FUND 1000 | COMM PAPER | 526390 | BONY | 93 MERIL | | 9/18/2019 | 10/2/2019 | 9/18/2019 | Purchased | 1.96 | 1.961 | 50,000,000 | 49,961,889 | 38,111 | - | - | - | - | 49,961,889 |
| FUND 1000 | REPO INT | 526394 | BONY | 93 DAIWA | | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.25 | 2.25 | 37,007,000 | 37,007,000 | - | - | - | - | - | 37,007,000 |
| FUND 1000 | COMM PAPER | 526211 | BONY | 93 MERIL | | 9/5/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.07 | 2.072 | 50,000,000 | 49,959,750 | - | - | 40,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526323 | BONY | 93 CANT | | 9/12/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526324 | BONY | 93 CANT | | 9/12/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.09 | 2.091 | 50,000,000 | 49,979,681 | - | - | 20,319 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526382 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526383 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526384 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526385 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,996,986 | - | - | 3,014 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526386 | BONY | 93 RBC | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.17 | 2.17 | 50,000,000 | 49,996,986 | - | - | 3,014 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526394 | BONY | 93 DAIWA | | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.25 | 2.25 | 37,007,000 | 37,007,000 | - | - | 2,313 | - | - | 37,009,313 |
| FUND 1000 | COMM PAPER | 526396 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 2.01 | 2.01 | 50,000,000 | 49,997,208 | 2,792 | - | - | - | - | 49,997,208 |
| FUND 1000 | COMM PAPER | 526397 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 2.01 | 2.01 | 50,000,000 | 49,997,208 | 2,792 | - | - | - | - | 49,997,208 |
| FUND 1000 | COMM PAPER | 526398 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 2.01 | 2.01 | 50,000,000 | 49,997,208 | 2,792 | - | - | - | - | 49,997,208 |
| FUND 1000 | COMM PAPER | 526399 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 1000 | COMM PAPER | 526400 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 1000 | COMM PAPER | 526401 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 1.82 | 1.82 | 40,000,000 | 39,997,978 | 2,022 | - | - | - | - | 39,997,978 |
| FUND 1000 | COMM PAPER | 526402 | BONY | 93 MERIL | | 9/19/2019 | 9/26/2019 | 9/19/2019 | Purchased | 1.9 | 1.901 | 50,000,000 | 49,981,528 | 18,472 | - | - | - | - | 49,981,528 |
| FUND 1000 | COMM PAPER | 526403 | BONY | 93 MERIL | | 9/19/2019 | 9/26/2019 | 9/19/2019 | Purchased | 1.9 | 1.901 | 50,000,000 | 49,981,528 | 18,472 | - | - | - | - | 49,981,528 |
| FUND 1000 | REPO INT | 526411 | BONY | 93 DAIWA | | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 1.8 | 1.8 | 24,114,000 | 24,114,000 | - | - | - | - | - | 24,114,000 |
| FUND 1000 | COMM PAPER | 526396 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 2.01 | 2.01 | 50,000,000 | 49,997,208 | - | - | 2,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526397 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 2.01 | 2.01 | 50,000,000 | 49,997,208 | - | - | 2,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526398 | BONY | 93 MERIL | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 2.01 | 2.01 | 50,000,000 | 49,997,208 | - | - | 2,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526399 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526400 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526401 | BONY | 93 RBC | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 1.82 | 1.82 | 40,000,000 | 39,997,978 | - | - | 2,022 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526411 | BONY | 93 DAIWA | | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 1.8 | 1.8 | 24,114,000 | 24,114,000 | - | - | 1,206 | - | - | 24,115,206 |
| FUND 1000 | COMM PAPER | 526420 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.95 | 1.95 | 50,000,000 | 49,991,875 | 8,125 | - | - | - | - | 49,991,875 |
| FUND 1000 | COMM PAPER | 526421 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.95 | 1.95 | 50,000,000 | 49,991,875 | 8,125 | - | - | - | - | 49,991,875 |
| FUND 1000 | COMM PAPER | 526422 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.95 | 1.95 | 50,000,000 | 49,991,875 | 8,125 | - | - | - | - | 49,991,875 |
| FUND 1000 | COMM PAPER | 526423 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.95 | 1.95 | 30,000,000 | 29,995,125 | 4,875 | - | - | - | - | 29,995,125 |
| FUND 1000 | REPO INT | 526426 | BONY | 93 DAIWA | | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.75 | 1.75 | 24,162,000 | 24,162,000 | - | - | - | - | - | 24,162,000 |
| FUND 1000 | COMM PAPER | 526352 | BONY | 93 MERIL | | 9/16/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.97 | 1.971 | 50,000,000 | 49,980,847 | - | - | 19,153 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526420 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.95 | 1.95 | 50,000,000 | 49,991,875 | - | - | 8,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526421 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.95 | 1.95 | 50,000,000 | 49,991,875 | - | - | 8,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526422 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.95 | 1.95 | 50,000,000 | 49,991,875 | - | - | 8,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526423 | BONY | 93 MERIL | | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.95 | 1.95 | 30,000,000 | 29,995,125 | - | - | 4,875 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 526426 | BONY | 93 DAIWA | | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.75 | 1.75 | 24,162,000 | 24,162,000 | - | - | 3,524 | - | - | 24,165,524 |
| FUND 1000 | COMM PAPER | 526431 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.95 | 1.95 | 50,000,000 | 49,997,292 | 2,708 | - | - | - | - | 49,997,292 |
| FUND 1000 | COMM PAPER | 526432 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.95 | 1.95 | 50,000,000 | 49,997,292 | 2,708 | - | - | - | - | 49,997,292 |
| FUND 1000 | COMM PAPER | 526433 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.95 | 1.95 | 35,000,000 | 34,998,104 | 1,896 | - | - | - | - | 34,998,104 |
| FUND 1000 | REPO INT | 526435 | BONY | 93 DAIWA | | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.8 | 1.8 | 116,669,000 | 116,669,000 | - | - | - | - | - | 116,669,000 |
| FUND 1000 | COMM PAPER | 526431 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.95 | 1.95 | 50,000,000 | 49,997,292 | - | - | 2,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526432 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.95 | 1.95 | 50,000,000 | 49,997,292 | - | - | 2,708 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526433 | BONY | 93 CANT | | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.95 | 1.95 | 35,000,000 | 34,998,104 | - | - | 1,896 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 526435 | BONY | 93 DAIWA | | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.8 | 1.8 | 116,669,000 | 116,669,000 | - | - | 5,833 | - | - | 116,674,833 |
| FUND 1000 | COMM PAPER | 526449 | BONY | 93 RBC | | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526450 | BONY | 93 RBC | | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 526451 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526452 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | REPO INT | 526454 | BONY | 93 | DAIWA | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.85 | 1.85 | 78,611,000 | 78,611,000 | - | - | - | - | - | 78,611,000 |
| FUND 1000 | COMM PAPER | 526387 | BONY | 93 | CANT | 9/18/2019 | 9/25/2019 | 9/25/2019 | Matured | 2.03 | 2.031 | 50,000,000 | 49,980,264 | - | - | 19,736 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526388 | BONY | 93 | CANT | 9/18/2019 | 9/25/2019 | 9/25/2019 | Matured | 2.03 | 2.031 | 50,000,000 | 49,980,264 | - | - | 19,736 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526449 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526450 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526451 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526452 | BONY | 93 | RBC | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526454 | BONY | 93 | DAIWA | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.85 | 1.85 | 78,611,000 | 78,611,000 | - | - | 4,040 | - | - | 78,615,040 |
| FUND 1000 | COMM PAPER | 526460 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526461 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526462 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526463 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 1000 | COMM PAPER | 526464 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 1000 | COMM PAPER | 526465 | BONY | 93 | CANT | 9/25/2019 | 10/1/2019 | 9/25/2019 | Purchased | 1.77 | 1.771 | 50,000,000 | 49,985,250 | 14,750 | - | - | - | - | 49,985,250 |
| FUND 1000 | COMM PAPER | 526466 | BONY | 93 | CANT | 9/25/2019 | 10/1/2019 | 9/25/2019 | Purchased | 1.77 | 1.771 | 50,000,000 | 49,985,250 | 14,750 | - | - | - | - | 49,985,250 |
| FUND 1000 | REPO INT | 526473 | BONY | 93 | DAIWA | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.8 | 1.8 | 60,165,000 | 60,165,000 | - | - | - | - | - | 60,165,000 |
| FUND 1000 | COMM PAPER | 526402 | BONY | 93 | MERIL | 9/19/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.9 | 1.901 | 50,000,000 | 49,981,528 | - | - | 18,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526403 | BONY | 93 | MERIL | 9/19/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.9 | 1.901 | 50,000,000 | 49,981,528 | - | - | 18,472 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526460 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526461 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526462 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526463 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526464 | BONY | 93 | CANT | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526473 | BONY | 93 | DAIWA | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.8 | 1.8 | 60,165,000 | 60,165,000 | - | - | 3,008 | - | - | 60,168,008 |
| FUND 1000 | COMM PAPER | 526474 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526475 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526476 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,997,278 | 2,722 | - | - | - | - | 49,997,278 |
| FUND 1000 | COMM PAPER | 526477 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526478 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.81 | 1.81 | 25,000,000 | 24,998,743 | 1,257 | - | - | - | - | 24,998,743 |
| FUND 1000 | COMM PAPER | 526479 | BONY | 93 | CANT | 9/26/2019 | 10/3/2019 | 9/26/2019 | Purchased | 1.813 | 1.813 | 50,000,000 | 49,982,378 | 17,622 | - | - | - | - | 49,982,378 |
| FUND 1000 | COMM PAPER | 526480 | BONY | 93 | CANT | 9/26/2019 | 10/3/2019 | 9/26/2019 | Purchased | 1.813 | 1.813 | 50,000,000 | 49,982,378 | 17,622 | - | - | - | - | 49,982,378 |
| FUND 1000 | REPO INT | 526487 | BONY | 93 | DAIWA | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.8 | 1.8 | 16,453,000 | 16,453,000 | - | - | - | - | - | 16,453,000 |
| FUND 1000 | COMM PAPER | 526474 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526475 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526476 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,997,278 | - | - | 2,722 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526477 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526478 | BONY | 93 | MERIL | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.81 | 1.81 | 25,000,000 | 24,998,743 | - | - | 1,257 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526487 | BONY | 93 | DAIWA | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.8 | 1.8 | 16,453,000 | 16,453,000 | - | - | 823 | - | - | 16,453,823 |
| FUND 1000 | COMM PAPER | 526489 | BONY | 93 | RBC | 9/27/2019 | 9/30/2019 | 9/27/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,991,833 | 8,167 | - | - | - | - | 49,991,833 |
| FUND 1000 | COMM PAPER | 526490 | BONY | 93 | RBC | 9/27/2019 | 9/30/2019 | 9/27/2019 | Purchased | 1.96 | 1.96 | 50,000,000 | 49,991,833 | 8,167 | - | - | - | - | 49,991,833 |
| FUND 1000 | REPO INT | 526492 | BONY | 93 | DAIWA | 9/27/2019 | 9/30/2019 | 9/27/2019 | Purchased | 1.8 | 1.8 | 24,187,000 | 24,187,000 | - | - | - | - | - | 24,187,000 |
| FUND 1000 | COMM PAPER | 526489 | BONY | 93 | RBC | 9/27/2019 | 9/30/2019 | 9/30/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,991,833 | - | - | 8,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526490 | BONY | 93 | RBC | 9/27/2019 | 9/30/2019 | 9/30/2019 | Matured | 1.96 | 1.96 | 50,000,000 | 49,991,833 | - | - | 8,167 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526492 | BONY | 93 | DAIWA | 9/27/2019 | 9/30/2019 | 9/30/2019 | Matured | 1.8 | 1.8 | 24,187,000 | 24,187,000 | - | - | 3,628 | - | - | 24,190,628 |
| FUND 1000 | REPO INT | 526520 | BONY | 93 | DAIWA | 9/30/2019 | 10/1/2019 | 9/30/2019 | Purchased | 2.2 | 2.2 | 213,271,000 | 213,271,000 | - | - | - | - | - | 213,271,000 |
| FUND 1000 | COMM PAPER | 526465 | BONY | 93 | CANT | 9/25/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.77 | 1.771 | 50,000,000 | 49,985,250 | - | - | 14,750 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526466 | BONY | 93 | CANT | 9/25/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.77 | 1.771 | 50,000,000 | 49,985,250 | - | - | 14,750 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526520 | BONY | 93 | DAIWA | 9/30/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.2 | 2.2 | 213,271,000 | 213,271,000 | - | - | 13,033 | - | - | 213,284,033 |
| FUND 1000 | COMM PAPER | 526528 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.94 | 1.94 | 50,000,000 | 49,997,306 | 2,694 | - | - | - | - | 49,997,306 |
| FUND 1000 | COMM PAPER | 526529 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.94 | 1.94 | 50,000,000 | 49,997,306 | 2,694 | - | - | - | - | 49,997,306 |
| FUND 1000 | COMM PAPER | 526530 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.94 | 1.94 | 50,000,000 | 49,997,306 | 2,694 | - | - | - | - | 49,997,306 |
| FUND 1000 | COMM PAPER | 526531 | BONY | 93 | CANT | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.83 | 1.83 | 50,000,000 | 49,997,458 | 2,542 | - | - | - | - | 49,997,458 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | REPO INT | 526534 | BONY | 93 | DAIWA | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.8 | 1.8 | 39,521,000 | 39,521,000 | - | - | - | - | - | 39,521,000 |
| FUND 1000 | COMM PAPER | 526389 | BONY | 93 | MERIL | 9/18/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.96 | 1.961 | 50,000,000 | 49,961,889 | - | - | 38,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526390 | BONY | 93 | MERIL | 9/18/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.96 | 1.961 | 50,000,000 | 49,961,889 | - | - | 38,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526528 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.94 | 1.94 | 50,000,000 | 49,997,306 | - | - | 2,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526529 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.94 | 1.94 | 50,000,000 | 49,997,306 | - | - | 2,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526530 | BONY | 93 | MERIL | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.94 | 1.94 | 50,000,000 | 49,997,306 | - | - | 2,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526531 | BONY | 93 | CANT | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.83 | 1.83 | 50,000,000 | 49,997,458 | - | - | 2,542 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526534 | BONY | 93 | DAIWA | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.8 | 1.8 | 39,521,000 | 39,521,000 | - | - | 1,976 | - | - | 39,522,976 |
| FUND 1000 | COMM PAPER | 526544 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.94 | 1.94 | 50,000,000 | 49,997,306 | 2,694 | - | - | - | - | 49,997,306 |
| FUND 1000 | COMM PAPER | 526545 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.94 | 1.94 | 50,000,000 | 49,997,306 | 2,694 | - | - | - | - | 49,997,306 |
| FUND 1000 | COMM PAPER | 526546 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.83 | 1.83 | 50,000,000 | 49,997,458 | 2,542 | - | - | - | - | 49,997,458 |
| FUND 1000 | COMM PAPER | 526547 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.83 | 1.83 | 50,000,000 | 49,997,458 | 2,542 | - | - | - | - | 49,997,458 |
| FUND 1000 | COMM PAPER | 526548 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.83 | 1.83 | 40,000,000 | 39,997,967 | 2,033 | - | - | - | - | 39,997,967 |
| FUND 1000 | COMM PAPER | 526549 | BONY | 93 | MERIL | 10/2/2019 | 10/9/2019 | 10/2/2019 | Purchased | 1.87 | 1.871 | 50,000,000 | 49,981,819 | 18,181 | - | - | - | - | 49,981,819 |
| FUND 1000 | COMM PAPER | 526550 | BONY | 93 | MERIL | 10/2/2019 | 10/9/2019 | 10/2/2019 | Purchased | 1.87 | 1.871 | 50,000,000 | 49,981,819 | 18,181 | - | - | - | - | 49,981,819 |
| FUND 1000 | REPO INT | 526554 | BONY | 93 | DAIWA | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.8 | 1.8 | 29,643,000 | 29,643,000 | - | - | - | - | - | 29,643,000 |
| FUND 1000 | COMM PAPER | 526479 | BONY | 93 | CANT | 9/26/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.813 | 1.813 | 50,000,000 | 49,982,378 | - | - | 17,622 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526480 | BONY | 93 | CANT | 9/26/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.813 | 1.813 | 50,000,000 | 49,982,378 | - | - | 17,622 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526544 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.94 | 1.94 | 50,000,000 | 49,997,306 | - | - | 2,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526545 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.94 | 1.94 | 50,000,000 | 49,997,306 | - | - | 2,694 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526546 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.83 | 1.83 | 50,000,000 | 49,997,458 | - | - | 2,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526547 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.83 | 1.83 | 50,000,000 | 49,997,458 | - | - | 2,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526548 | BONY | 93 | MERIL | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.83 | 1.83 | 40,000,000 | 39,997,967 | - | - | 2,033 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526554 | BONY | 93 | DAIWA | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.8 | 1.8 | 29,643,000 | 29,643,000 | - | - | 1,482 | - | - | 29,644,482 |
| FUND 1000 | COMM PAPER | 526567 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526568 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526569 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526570 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526571 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526572 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526573 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.81 | 1.81 | 25,000,000 | 24,998,743 | 1,257 | - | - | - | - | 24,998,743 |
| FUND 1000 | REPO INT | 526578 | BONY | 93 | DAIWA | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.75 | 1.75 | 23,640,000 | 23,640,000 | - | - | - | - | - | 23,640,000 |
| FUND 1000 | COMM PAPER | 526567 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526568 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526569 | BONY | 93 | RBC | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526570 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526571 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526572 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526573 | BONY | 93 | CANT | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.81 | 1.81 | 25,000,000 | 24,998,743 | - | - | 1,257 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526578 | BONY | 93 | DAIWA | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.75 | 1.75 | 23,640,000 | 23,640,000 | - | - | 1,149 | - | - | 23,641,149 |
| FUND 1000 | COMM PAPER | 526580 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,992,083 | 7,917 | - | - | - | - | 49,992,083 |
| FUND 1000 | COMM PAPER | 526581 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,992,083 | 7,917 | - | - | - | - | 49,992,083 |
| FUND 1000 | COMM PAPER | 526582 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,992,083 | 7,917 | - | - | - | - | 49,992,083 |
| FUND 1000 | COMM PAPER | 526583 | BONY | 93 | CANT | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,992,458 | 7,542 | - | - | - | - | 49,992,458 |
| FUND 1000 | COMM PAPER | 526584 | BONY | 93 | CANT | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.81 | 1.81 | 40,000,000 | 39,993,967 | 6,033 | - | - | - | - | 39,993,967 |
| FUND 1000 | REPO INT | 526587 | BONY | 93 | DAIWA | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.75 | 1.75 | 30,911,000 | 30,911,000 | - | - | - | - | - | 30,911,000 |
| FUND 1000 | COMM PAPER | 526580 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,992,083 | - | - | 7,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526581 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,992,083 | - | - | 7,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526582 | BONY | 93 | MERIL | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,992,083 | - | - | 7,917 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526583 | BONY | 93 | CANT | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,992,458 | - | - | 7,542 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526584 | BONY | 93 | CANT | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.81 | 1.81 | 40,000,000 | 39,993,967 | - | - | 6,033 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526587 | BONY | 93 | DAIWA | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.75 | 1.75 | 30,911,000 | 30,911,000 | - | - | 4,508 | - | - | 30,915,508 |
| FUND 1000 | COMM PAPER | 526588 | BONY | 93 | BOFAB | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526589 | BONY | 93 | BOFAB | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526590 | BONY | 93 | CANT | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526591 | BONY | 93 | CANT | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 1000 | COMM PAPER | 526592 | BONY | 93 | CANT | 10/7/2019 | 10/15/2019 | 10/7/2019 | Purchased | 1.82 | 1.821 | 50,000,000 | 49,979,778 | 20,222 | - | - | - | - | 49,979,778 |
| FUND 1000 | T-BILL | 526593 | BONY | 93 | CANT | 10/7/2019 | 1/23/2020 | 10/7/2019 | Purchased | 1.62 | 1.628 | 281,000 | 279,634 | 1,366 | - | - | - | - | 279,634 |
| FUND 1000 | REPO INT | 526596 | BONY | 93 | DAIWA | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.75 | 1.75 | 34,441,000 | 34,441,000 | - | - | - | - | - | 34,441,000 |
| FUND 1000 | COMM PAPER | 526588 | BONY | 93 | BOFAB | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526589 | BONY | 93 | BOFAB | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526590 | BONY | 93 | CANT | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526591 | BONY | 93 | CANT | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526596 | BONY | 93 | DAIWA | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.75 | 1.75 | 34,441,000 | 34,441,000 | - | - | 1,674 | - | - | 34,442,674 |
| FUND 1000 | COMM PAPER | 526597 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526598 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526599 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526600 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.79 | 1.79 | 20,000,000 | 19,999,006 | 994 | - | - | - | - | 19,999,006 |
| FUND 1000 | COMM PAPER | 526601 | BONY | 93 | CANT | 10/8/2019 | 10/22/2019 | 10/8/2019 | Purchased | 1.855 | 1.856 | 50,000,000 | 49,963,931 | 36,069 | - | - | - | - | 49,963,931 |
| FUND 1000 | COMM PAPER | 526602 | BONY | 93 | CANT | 10/8/2019 | 10/22/2019 | 10/8/2019 | Purchased | 1.855 | 1.856 | 50,000,000 | 49,963,931 | 36,069 | - | - | - | - | 49,963,931 |
| FUND 1000 | REPO INT | 526609 | BONY | 93 | DAIWA | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.75 | 1.75 | 14,406,000 | 14,406,000 | - | - | - | - | - | 14,406,000 |
| FUND 1000 | COMM PAPER | 526549 | BONY | 93 | MERIL | 10/2/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.87 | 1.871 | 50,000,000 | 49,981,819 | - | - | 18,181 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526550 | BONY | 93 | MERIL | 10/2/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.87 | 1.871 | 50,000,000 | 49,981,819 | - | - | 18,181 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526597 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526598 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526599 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526600 | BONY | 93 | RBC | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.79 | 1.79 | 20,000,000 | 19,999,006 | - | - | 994 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 526609 | BONY | 93 | DAIWA | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.75 | 1.75 | 14,406,000 | 14,406,000 | - | - | 700 | - | - | 14,406,700 |
| FUND 1000 | COMM PAPER | 526613 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526614 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526615 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526616 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.9 | 1.9 | 25,000,000 | 24,998,681 | 1,319 | - | - | - | - | 24,998,681 |
| FUND 1000 | COMM PAPER | 526617 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/9/2019 | Purchased | 1.86 | 1.861 | 50,000,000 | 49,963,833 | 36,167 | - | - | - | - | 49,963,833 |
| FUND 1000 | COMM PAPER | 526618 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/9/2019 | Purchased | 1.86 | 1.861 | 50,000,000 | 49,963,833 | 36,167 | - | - | - | - | 49,963,833 |
| FUND 1000 | COMM PAPER | 526619 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/9/2019 | Purchased | 1.86 | 1.861 | 50,000,000 | 49,963,833 | 36,167 | - | - | - | - | 49,963,833 |
| FUND 1000 | REPO INT | 526622 | BONY | 93 | DAIWA | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.8 | 1.8 | 83,144,000 | 83,144,000 | - | - | - | - | - | 83,144,000 |
| FUND 1000 | T-BILL | 522927 | CHASE | 29 | RBC | 11/8/2018 | 10/10/2019 | 10/10/2019 | Matured | 2.593 | 2.657 | 40,876,000 | 39,886,937 | - | - | 989,063 | - | - | 40,876,000 |
| FUND 1000 | FHLB NOTES | 525893 | BONY | 93 | RBC | 8/8/2019 | 10/10/2019 | 10/10/2019 | Matured | 2 | 2.007 | 481,000 | 479,317 | - | - | 1,684 | - | - | 481,000 |
| FUND 1000 | COMM PAPER | 526613 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526614 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526615 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526616 | BONY | 93 | CANT | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.9 | 1.9 | 25,000,000 | 24,998,681 | - | - | 1,319 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526622 | BONY | 93 | DAIWA | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.8 | 1.8 | 83,144,000 | 83,144,000 | - | - | 4,157 | - | - | 83,148,157 |
| FUND 1000 | T-BILL | 526624 | CHASE | 29 | BOFAB | 10/10/2019 | 4/9/2020 | 10/10/2019 | Purchased | 1.63 | 1.644 | 40,876,000 | 40,539,159 | 336,841 | - | - | - | - | 40,539,159 |
| FUND 1000 | COMM PAPER | 526632 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526633 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526634 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526635 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526636 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526637 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526638 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526639 | BONY | 93 | MERIL | 10/10/2019 | 10/21/2019 | 10/10/2019 | Purchased | 1.78 | 1.781 | 50,000,000 | 49,972,806 | 27,194 | - | - | - | - | 49,972,806 |
| FUND 1000 | COMM PAPER | 526640 | BONY | 93 | MERIL | 10/10/2019 | 10/21/2019 | 10/10/2019 | Purchased | 1.78 | 1.781 | 50,000,000 | 49,972,806 | 27,194 | - | - | - | - | 49,972,806 |
| FUND 1000 | FFCB DISC | 526641 | BONY | 93 | DAIWA | 10/10/2019 | 11/14/2019 | 10/10/2019 | Purchased | 1.68 | 1.683 | 25,000,000 | 24,959,167 | 40,833 | - | - | - | - | 24,959,167 |
| FUND 1000 | REPO INT | 526651 | BONY | 93 | DAIWA | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.78 | 1.78 | 37,546,000 | 37,546,000 | - | - | - | - | - | 37,546,000 |
| FUND 1000 | COMM PAPER | 526632 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526633 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526634 | BONY | 93 | MERIL | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526635 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526636 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526637 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526638 | BONY | 93 | CANT | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526651 | BONY | 93 | DAIWA | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.78 | 1.78 | 37,546,000 | 37,546,000 | - | - | 1,856 | - | - | 37,547,856 |
| FUND 1000 | COMM PAPER | 526656 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,990,056 | 9,944 | - | - | - | - | 49,990,056 |
| FUND 1000 | COMM PAPER | 526657 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,990,056 | 9,944 | - | - | - | - | 49,990,056 |
| FUND 1000 | COMM PAPER | 526658 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,990,056 | 9,944 | - | - | - | - | 49,990,056 |
| FUND 1000 | COMM PAPER | 526659 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,990,056 | 9,944 | - | - | - | - | 49,990,056 |
| FUND 1000 | COMM PAPER | 526660 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.79 | 1.79 | 35,000,000 | 34,993,039 | 6,961 | - | - | - | - | 34,993,039 |
| FUND 1000 | COMM PAPER | 526661 | BONY | 93 | RBC | 10/11/2019 | 10/18/2019 | 10/11/2019 | Purchased | 1.84 | 1.841 | 50,000,000 | 49,982,111 | 17,889 | - | - | - | - | 49,982,111 |
| FUND 1000 | COMM PAPER | 526662 | BONY | 93 | RBC | 10/11/2019 | 10/25/2019 | 10/11/2019 | Purchased | 1.85 | 1.851 | 50,000,000 | 49,964,028 | 35,972 | - | - | - | - | 49,964,028 |
| FUND 1000 | REPO INT | 526664 | BONY | 93 | DAIWA | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.75 | 1.75 | 23,147,000 | 23,147,000 | - | - | - | - | - | 23,147,000 |
| FUND 1000 | COMM PAPER | 526592 | BONY | 93 | CANT | 10/7/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.82 | 1.821 | 50,000,000 | 49,979,778 | - | - | 20,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526656 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,990,056 | - | - | 9,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526657 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,990,056 | - | - | 9,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526658 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,990,056 | - | - | 9,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526659 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,990,056 | - | - | 9,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526660 | BONY | 93 | CANT | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.79 | 1.79 | 35,000,000 | 34,993,039 | - | - | 6,961 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 526664 | BONY | 93 | DAIWA | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.75 | 1.75 | 23,147,000 | 23,147,000 | - | - | 4,501 | - | - | 23,151,501 |
| FUND 1000 | COMM PAPER | 526669 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526670 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526671 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526672 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.85 | 1.85 | 50,000,000 | 49,997,431 | 2,569 | - | - | - | - | 49,997,431 |
| FUND 1000 | COMM PAPER | 526673 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.85 | 1.85 | 50,000,000 | 49,997,431 | 2,569 | - | - | - | - | 49,997,431 |
| FUND 1000 | COMM PAPER | 526674 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.85 | 1.85 | 25,000,000 | 24,998,715 | 1,285 | - | - | - | - | 24,998,715 |
| FUND 1000 | REPO INT | 526690 | BONY | 93 | DAIWA | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.75 | 1.75 | 33,452,000 | 33,452,000 | - | - | - | - | - | 33,452,000 |
| FUND 1000 | COMM PAPER | 526669 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526670 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526671 | BONY | 93 | RBC | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526672 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.85 | 1.85 | 50,000,000 | 49,997,431 | - | - | 2,569 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526673 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.85 | 1.85 | 50,000,000 | 49,997,431 | - | - | 2,569 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526674 | BONY | 93 | CANT | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.85 | 1.85 | 25,000,000 | 24,998,715 | - | - | 1,285 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526690 | BONY | 93 | DAIWA | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.75 | 1.75 | 33,452,000 | 33,452,000 | - | - | 1,626 | - | - | 33,453,626 |
| FUND 1000 | COMM PAPER | 526696 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.92 | 1.92 | 50,000,000 | 49,997,333 | 2,667 | - | - | - | - | 49,997,333 |
| FUND 1000 | COMM PAPER | 526697 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.92 | 1.92 | 50,000,000 | 49,997,333 | 2,667 | - | - | - | - | 49,997,333 |
| FUND 1000 | COMM PAPER | 526698 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.85 | 1.85 | 50,000,000 | 49,997,431 | 2,569 | - | - | - | - | 49,997,431 |
| FUND 1000 | COMM PAPER | 526699 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.85 | 1.85 | 50,000,000 | 49,997,431 | 2,569 | - | - | - | - | 49,997,431 |
| FUND 1000 | T-BILL | 526705 | BONY | 93 | CANT | 10/16/2019 | 12/10/2019 | 10/16/2019 | Purchased | 1.635 | 1.639 | 2,800,000 | 2,793,006 | 6,994 | - | - | - | - | 2,793,006 |
| FUND 1000 | REPO INT | 526721 | BONY | 93 | DAIWA | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.75 | 1.75 | 50,972,000 | 50,972,000 | - | - | - | - | - | 50,972,000 |
| FUND 1000 | COMM PAPER | 526696 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.92 | 1.92 | 50,000,000 | 49,997,333 | - | - | 2,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526697 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.92 | 1.92 | 50,000,000 | 49,997,333 | - | - | 2,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526698 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.85 | 1.85 | 50,000,000 | 49,997,431 | - | - | 2,569 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526699 | BONY | 93 | MERIL | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.85 | 1.85 | 50,000,000 | 49,997,431 | - | - | 2,569 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526721 | BONY | 93 | DAIWA | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.75 | 1.75 | 50,972,000 | 50,972,000 | - | - | 2,478 | - | - | 50,974,478 |
| FUND 1000 | COMM PAPER | 526730 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.93 | 1.93 | 50,000,000 | 49,997,319 | 2,681 | - | - | - | - | 49,997,319 |
| FUND 1000 | COMM PAPER | 526731 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.93 | 1.93 | 50,000,000 | 49,997,319 | 2,681 | - | - | - | - | 49,997,319 |
| FUND 1000 | COMM PAPER | 526732 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.93 | 1.93 | 50,000,000 | 49,997,319 | 2,681 | - | - | - | - | 49,997,319 |
| FUND 1000 | COMM PAPER | 526733 | BONY | 93 | CANT | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 1000 | REPO INT | 526742 | BONY | 93 | DAIWA | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.75 | 1.75 | 17,195,000 | 17,195,000 | - | - | - | - | - | 17,195,000 |
| FUND 1000 | COMM PAPER | 526661 | BONY | 93 | RBC | 10/11/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.84 | 1.841 | 50,000,000 | 49,982,111 | - | - | 17,889 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526730 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.93 | 1.93 | 50,000,000 | 49,997,319 | - | - | 2,681 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526731 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.93 | 1.93 | 50,000,000 | 49,997,319 | - | - | 2,681 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526732 | BONY | 93 | MERIL | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.93 | 1.93 | 50,000,000 | 49,997,319 | - | - | 2,681 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526733 | BONY | 93 | CANT | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526742 | BONY | 93 | DAIWA | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.75 | 1.75 | 17,195,000 | 17,195,000 | - | - | 836 | - | - | 17,195,836 |
| FUND 1000 | COMM PAPER | 526747 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,992,042 | 7,958 | - | - | - | - | 49,992,042 |
| FUND 1000 | COMM PAPER | 526748 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,992,042 | 7,958 | - | - | - | - | 49,992,042 |
| FUND 1000 | COMM PAPER | 526749 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,992,042 | 7,958 | - | - | - | - | 49,992,042 |
| FUND 1000 | COMM PAPER | 526750 | BONY | 93 | CANT | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,992,542 | 7,458 | - | - | - | - | 49,992,542 |
| FUND 1000 | COMM PAPER | 526752 | BONY | 93 | CANT | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,992,542 | 7,458 | - | - | - | - | 49,992,542 |
| FUND 1000 | REPO INT | 526758 | BONY | 93 | DAIWA | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.75 | 1.75 | 38,248,000 | 38,248,000 | - | - | - | - | - | 38,248,000 |
| FUND 1000 | COMM PAPER | 526639 | BONY | 93 | MERIL | 10/10/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.78 | 1.781 | 50,000,000 | 49,972,806 | - | - | 27,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526640 | BONY | 93 | MERIL | 10/10/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.78 | 1.781 | 50,000,000 | 49,972,806 | - | - | 27,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526747 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,992,042 | - | - | 7,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526748 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,992,042 | - | - | 7,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526749 | BONY | 93 | MERIL | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,992,042 | - | - | 7,958 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526750 | BONY | 93 | CANT | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,992,542 | - | - | 7,458 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526752 | BONY | 93 | CANT | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,992,542 | - | - | 7,458 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526758 | BONY | 93 | DAIWA | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.75 | 1.75 | 38,248,000 | 38,248,000 | - | - | 5,578 | - | - | 38,253,578 |
| FUND 1000 | COMM PAPER | 526760 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526761 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526762 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.91 | 1.91 | 50,000,000 | 49,997,347 | 2,653 | - | - | - | - | 49,997,347 |
| FUND 1000 | COMM PAPER | 526763 | BONY | 93 | MERIL | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526764 | BONY | 93 | MERIL | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526765 | BONY | 93 | MERIL | 10/21/2019 | 11/1/2019 | 10/21/2019 | Purchased | 1.8 | 1.801 | 50,000,000 | 49,972,500 | 27,500 | - | - | - | - | 49,972,500 |
| FUND 1000 | COMM PAPER | 526766 | BONY | 93 | MERIL | 10/21/2019 | 11/1/2019 | 10/21/2019 | Purchased | 1.8 | 1.801 | 50,000,000 | 49,972,500 | 27,500 | - | - | - | - | 49,972,500 |
| FUND 1000 | REPO INT | 526770 | BONY | 93 | DAIWA | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.75 | 1.75 | 28,991,000 | 28,991,000 | - | - | - | - | - | 28,991,000 |
| FUND 1000 | COMM PAPER | 526601 | BONY | 93 | CANT | 10/8/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.855 | 1.856 | 50,000,000 | 49,963,931 | - | - | 36,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526602 | BONY | 93 | CANT | 10/8/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.855 | 1.856 | 50,000,000 | 49,963,931 | - | - | 36,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526760 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526761 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526762 | BONY | 93 | RBC | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.91 | 1.91 | 50,000,000 | 49,997,347 | - | - | 2,653 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526763 | BONY | 93 | MERIL | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526764 | BONY | 93 | MERIL | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526770 | BONY | 93 | DAIWA | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.75 | 1.75 | 28,991,000 | 28,991,000 | - | - | 1,409 | - | - | 28,992,409 |
| FUND 1000 | COMM PAPER | 526771 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526772 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526773 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526774 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.79 | 1.79 | 20,000,000 | 19,999,006 | 994 | - | - | - | - | 19,999,006 |
| FUND 1000 | COMM PAPER | 526775 | BONY | 93 | CANT | 10/22/2019 | 10/29/2019 | 10/22/2019 | Purchased | 1.78 | 1.781 | 50,000,000 | 49,982,694 | 17,306 | - | - | - | - | 49,982,694 |
| FUND 1000 | COMM PAPER | 526776 | BONY | 93 | CANT | 10/22/2019 | 10/29/2019 | 10/22/2019 | Purchased | 1.78 | 1.781 | 50,000,000 | 49,982,694 | 17,306 | - | - | - | - | 49,982,694 |
| FUND 1000 | COMM PAPER | 526777 | BONY | 93 | MERIL | 10/22/2019 | 11/4/2019 | 10/22/2019 | Purchased | 1.75 | 1.751 | 50,000,000 | 49,968,403 | 31,597 | - | - | - | - | 49,968,403 |
| FUND 1000 | REPO INT | 526783 | BONY | 93 | DAIWA | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.75 | 1.75 | 20,626,000 | 20,626,000 | - | - | - | - | - | 20,626,000 |
| FUND 1000 | COMM PAPER | 526617 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.86 | 1.861 | 50,000,000 | 49,963,833 | - | - | 36,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526618 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.86 | 1.861 | 50,000,000 | 49,963,833 | - | - | 36,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526619 | BONY | 93 | MERIL | 10/9/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.86 | 1.861 | 50,000,000 | 49,963,833 | - | - | 36,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526771 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526772 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526773 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526774 | BONY | 93 | MERIL | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.79 | 1.79 | 20,000,000 | 19,999,006 | - | - | 994 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 526783 | BONY | 93 | DAIWA | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.75 | 1.75 | 20,626,000 | 20,626,000 | - | - | 1,003 | - | - | 20,627,003 |
| FUND 1000 | COMM PAPER | 526784 | BONY | 93 | RBC | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526785 | BONY | 93 | RBC | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526786 | BONY | 93 | RBC | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.9 | 1.9 | 50,000,000 | 49,997,361 | 2,639 | - | - | - | - | 49,997,361 |
| FUND 1000 | COMM PAPER | 526787 | BONY | 93 | MERIL | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526788 | BONY | 93 | MERIL | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.79 | 1.79 | 40,000,000 | 39,998,011 | 1,989 | - | - | - | - | 39,998,011 |
| FUND 1000 | REPO INT | 526794 | BONY | 93 | DAIWA | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.75 | 1.75 | 49,748,000 | 49,748,000 | - | - | - | - | - | 49,748,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526784 | BONY | 93 RBC | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526785 | BONY | 93 RBC | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526786 | BONY | 93 RBC | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.9 | 1.9 | 50,000,000 | 49,997,361 | - | - | 2,639 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526787 | BONY | 93 MERIL | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526788 | BONY | 93 MERIL | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.79 | 1.79 | 40,000,000 | 39,998,011 | - | - | 1,989 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526794 | BONY | 93 DAIWA | | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.75 | 1.75 | 49,748,000 | 49,748,000 | - | - | 2,418 | - | - | 49,750,418 |
| FUND 1000 | COMM PAPER | 526795 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | COMM PAPER | 526796 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | COMM PAPER | 526797 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | COMM PAPER | 526798 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526799 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526800 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.79 | 1.79 | 35,000,000 | 34,998,260 | 1,740 | - | - | - | - | 34,998,260 |
| FUND 1000 | FFCB DISC | 526801 | BONY | 93 DAIWA | | 10/24/2019 | 11/1/2019 | 10/24/2019 | Purchased | 1.7 | 1.701 | 40,000,000 | 39,984,889 | 15,111 | - | - | - | - | 39,984,889 |
| FUND 1000 | REPO INT | 526807 | BONY | 93 DAIWA | | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.75 | 1.75 | 48,311,000 | 48,311,000 | - | - | - | - | - | 48,311,000 |
| FUND 1000 | COMM PAPER | 526662 | BONY | 93 RBC | | 10/11/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.85 | 1.851 | 50,000,000 | 49,964,028 | - | - | 35,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526795 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526796 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526797 | BONY | 93 CANT | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526798 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526799 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526800 | BONY | 93 MERIL | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.79 | 1.79 | 35,000,000 | 34,998,260 | - | - | 1,740 | - | - | 35,000,000 |
| FUND 1000 | REPO INT | 526807 | BONY | 93 DAIWA | | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.75 | 1.75 | 48,311,000 | 48,311,000 | - | - | 2,348 | - | - | 48,313,348 |
| FUND 1000 | COMM PAPER | 526812 | BONY | 93 CANT | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.89 | 1.89 | 50,000,000 | 49,992,125 | 7,875 | - | - | - | - | 49,992,125 |
| FUND 1000 | COMM PAPER | 526813 | BONY | 93 CANT | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.89 | 1.89 | 50,000,000 | 49,992,125 | 7,875 | - | - | - | - | 49,992,125 |
| FUND 1000 | COMM PAPER | 526814 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,992,542 | 7,458 | - | - | - | - | 49,992,542 |
| FUND 1000 | COMM PAPER | 526815 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,992,542 | 7,458 | - | - | - | - | 49,992,542 |
| FUND 1000 | COMM PAPER | 526816 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.79 | 1.79 | 30,000,000 | 29,995,525 | 4,475 | - | - | - | - | 29,995,525 |
| FUND 1000 | COMM PAPER | 526817 | BONY | 93 RBC | | 10/25/2019 | 11/1/2019 | 10/25/2019 | Purchased | 1.79 | 1.791 | 50,000,000 | 49,982,597 | 17,403 | - | - | - | - | 49,982,597 |
| FUND 1000 | REPO INT | 526820 | BONY | 93 DAIWA | | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.75 | 1.75 | 35,519,000 | 35,519,000 | - | - | - | - | - | 35,519,000 |
| FUND 1000 | COMM PAPER | 526812 | BONY | 93 CANT | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.89 | 1.89 | 50,000,000 | 49,992,125 | - | - | 7,875 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526813 | BONY | 93 CANT | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.89 | 1.89 | 50,000,000 | 49,992,125 | - | - | 7,875 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526814 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,992,542 | - | - | 7,458 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526815 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,992,542 | - | - | 7,458 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526816 | BONY | 93 MERIL | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.79 | 1.79 | 30,000,000 | 29,995,525 | - | - | 4,475 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 526820 | BONY | 93 DAIWA | | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.75 | 1.75 | 35,519,000 | 35,519,000 | - | - | 5,180 | - | - | 35,524,180 |
| FUND 1000 | COMM PAPER | 526822 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.89 | 1.89 | 50,000,000 | 49,997,375 | 2,625 | - | - | - | - | 49,997,375 |
| FUND 1000 | COMM PAPER | 526823 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.89 | 1.89 | 50,000,000 | 49,997,375 | 2,625 | - | - | - | - | 49,997,375 |
| FUND 1000 | COMM PAPER | 526824 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | REPO INT | 526827 | BONY | 93 DAIWA | | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.75 | 1.75 | 44,137,000 | 44,137,000 | - | - | - | - | - | 44,137,000 |
| FUND 1000 | COMM PAPER | 526828 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.79 | 1.79 | 40,000,000 | 39,998,011 | 1,989 | - | - | - | - | 39,998,011 |
| FUND 1000 | COMM PAPER | 526775 | BONY | 93 CANT | | 10/22/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.78 | 1.781 | 50,000,000 | 49,982,694 | - | - | 17,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526776 | BONY | 93 CANT | | 10/22/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.78 | 1.781 | 50,000,000 | 49,982,694 | - | - | 17,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526822 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.89 | 1.89 | 50,000,000 | 49,997,375 | - | - | 2,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526823 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.89 | 1.89 | 50,000,000 | 49,997,375 | - | - | 2,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526824 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526827 | BONY | 93 DAIWA | | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.75 | 1.75 | 44,137,000 | 44,137,000 | - | - | 2,146 | - | - | 44,139,146 |
| FUND 1000 | COMM PAPER | 526828 | BONY | 93 MERIL | | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.79 | 1.79 | 40,000,000 | 39,998,011 | - | - | 1,989 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 526829 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526830 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526831 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | COMM PAPER | 526832 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | COMM PAPER | 526833 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.88 | 1.88 | 50,000,000 | 49,997,389 | 2,611 | - | - | - | - | 49,997,389 |
| FUND 1000 | REPO INT | 526839 | BONY | 93 DAIWA | | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.75 | 1.75 | 40,632,000 | 40,632,000 | - | - | - | - | - | 40,632,000 |
| FUND 1000 | COMM PAPER | 526829 | BONY | 93 MERIL | | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 526830 | BONY | 93 | MERIL | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526831 | BONY | 93 | MERIL | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526832 | BONY | 93 | MERIL | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526833 | BONY | 93 | MERIL | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.88 | 1.88 | 50,000,000 | 49,997,389 | - | - | 2,611 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526839 | BONY | 93 | DAIWA | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.75 | 1.75 | 40,632,000 | 40,632,000 | - | - | 1,975 | - | - | 40,633,975 |
| FUND 1000 | COMM PAPER | 526840 | BONY | 93 | MERIL | 10/30/2019 | 10/31/2019 | 10/30/2019 | Purchased | 1.87 | 1.87 | 50,000,000 | 49,997,403 | 2,597 | - | - | - | - | 49,997,403 |
| FUND 1000 | COMM PAPER | 526841 | BONY | 93 | MERIL | 10/30/2019 | 10/31/2019 | 10/30/2019 | Purchased | 1.87 | 1.87 | 50,000,000 | 49,997,403 | 2,597 | - | - | - | - | 49,997,403 |
| FUND 1000 | COMM PAPER | 526842 | BONY | 93 | CANT | 10/30/2019 | 10/31/2019 | 10/30/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,997,514 | 2,486 | - | - | - | - | 49,997,514 |
| FUND 1000 | COMM PAPER | 526843 | BONY | 93 | CANT | 10/30/2019 | 11/6/2019 | 10/30/2019 | Purchased | 1.63 | 1.631 | 50,000,000 | 49,984,153 | 15,847 | - | - | - | - | 49,984,153 |
| FUND 1000 | FHLB NOTES | 526844 | BONY | 93 | DAIWA | 10/30/2019 | 11/1/2019 | 10/30/2019 | Purchased | 1.5 | 1.5 | 5,439,000 | 5,438,547 | 453 | - | - | - | - | 5,438,547 |
| FUND 1000 | REPO INT | 526848 | BONY | 93 | DAIWA | 10/30/2019 | 10/31/2019 | 10/30/2019 | Purchased | 1.75 | 1.75 | 30,850,000 | 30,850,000 | - | - | - | - | - | 30,850,000 |
| FUND 1000 | COMM PAPER | 526840 | BONY | 93 | MERIL | 10/30/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.87 | 1.87 | 50,000,000 | 49,997,403 | - | - | 2,597 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526841 | BONY | 93 | MERIL | 10/30/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.87 | 1.87 | 50,000,000 | 49,997,403 | - | - | 2,597 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526842 | BONY | 93 | CANT | 10/30/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,997,514 | - | - | 2,486 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526848 | BONY | 93 | DAIWA | 10/30/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.75 | 1.75 | 30,850,000 | 30,850,000 | - | - | 1,500 | - | - | 30,851,500 |
| FUND 1000 | REPO INT | 526853 | BONY | 93 | DAIWA | 10/31/2019 | 11/1/2019 | 10/31/2019 | Purchased | 1.7 | 1.7 | 170,932,000 | 170,932,000 | - | - | - | - | - | 170,932,000 |
| FUND 1000 | COMM PAPER | 526765 | BONY | 93 | MERIL | 10/21/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.8 | 1.801 | 50,000,000 | 49,972,500 | - | - | 27,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526766 | BONY | 93 | MERIL | 10/21/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.8 | 1.801 | 50,000,000 | 49,972,500 | - | - | 27,500 | - | - | 50,000,000 |
| FUND 1000 | FFCB DISC | 526801 | BONY | 93 | DAIWA | 10/24/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.7 | 1.701 | 40,000,000 | 39,984,889 | - | - | 15,111 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 526817 | BONY | 93 | RBC | 10/25/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.79 | 1.791 | 50,000,000 | 49,982,597 | - | - | 17,403 | - | - | 50,000,000 |
| FUND 1000 | FHLB NOTES | 526844 | BONY | 93 | DAIWA | 10/30/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.5 | 1.5 | 5,439,000 | 5,438,547 | - | - | 453 | - | - | 5,439,000 |
| FUND 1000 | REPO INT | 526853 | BONY | 93 | DAIWA | 10/31/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.7 | 1.7 | 170,932,000 | 170,932,000 | - | - | 8,072 | - | - | 170,940,072 |
| FUND 1000 | COMM PAPER | 526865 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.63 | 1.63 | 50,000,000 | 49,993,208 | 6,792 | - | - | - | - | 49,993,208 |
| FUND 1000 | COMM PAPER | 526866 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.63 | 1.63 | 50,000,000 | 49,993,208 | 6,792 | - | - | - | - | 49,993,208 |
| FUND 1000 | COMM PAPER | 526867 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.63 | 1.63 | 50,000,000 | 49,993,208 | 6,792 | - | - | - | - | 49,993,208 |
| FUND 1000 | COMM PAPER | 526868 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.63 | 1.63 | 25,000,000 | 24,996,604 | 3,396 | - | - | - | - | 24,996,604 |
| FUND 1000 | REPO INT | 526873 | BONY | 93 | DAIWA | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.5 | 1.5 | 65,385,000 | 65,385,000 | - | - | - | - | - | 65,385,000 |
| FUND 1000 | COMM PAPER | 526777 | BONY | 93 | MERIL | 10/22/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.75 | 1.751 | 50,000,000 | 49,968,403 | - | - | 31,597 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526865 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.63 | 1.63 | 50,000,000 | 49,993,208 | - | - | 6,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526866 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.63 | 1.63 | 50,000,000 | 49,993,208 | - | - | 6,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526867 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.63 | 1.63 | 50,000,000 | 49,993,208 | - | - | 6,792 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526868 | BONY | 93 | RBC | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.63 | 1.63 | 25,000,000 | 24,996,604 | - | - | 3,396 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 526873 | BONY | 93 | DAIWA | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.5 | 1.5 | 65,385,000 | 65,385,000 | - | - | 8,173 | - | - | 65,393,173 |
| FUND 1000 | COMM PAPER | 526877 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.63 | 1.63 | 50,000,000 | 49,997,736 | 2,264 | - | - | - | - | 49,997,736 |
| FUND 1000 | COMM PAPER | 526878 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.63 | 1.63 | 50,000,000 | 49,997,736 | 2,264 | - | - | - | - | 49,997,736 |
| FUND 1000 | COMM PAPER | 526879 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,997,861 | 2,139 | - | - | - | - | 49,997,861 |
| FUND 1000 | COMM PAPER | 526880 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.54 | 1.54 | 40,000,000 | 39,998,289 | 1,711 | - | - | - | - | 39,998,289 |
| FUND 1000 | COMM PAPER | 526881 | BONY | 93 | MERIL | 11/4/2019 | 11/12/2019 | 11/4/2019 | Purchased | 1.57 | 1.571 | 50,000,000 | 49,982,556 | 17,444 | - | - | - | - | 49,982,556 |
| FUND 1000 | REPO INT | 526884 | BONY | 93 | DAIWA | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.5 | 1.5 | 40,275,000 | 40,275,000 | - | - | - | - | - | 40,275,000 |
| FUND 1000 | COMM PAPER | 526877 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.63 | 1.63 | 50,000,000 | 49,997,736 | - | - | 2,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526878 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.63 | 1.63 | 50,000,000 | 49,997,736 | - | - | 2,264 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526879 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,997,861 | - | - | 2,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526880 | BONY | 93 | MERIL | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.54 | 1.54 | 40,000,000 | 39,998,289 | - | - | 1,711 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526884 | BONY | 93 | DAIWA | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.5 | 1.5 | 40,275,000 | 40,275,000 | - | - | 1,678 | - | - | 40,276,678 |
| FUND 1000 | COMM PAPER | 526888 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526889 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526890 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,997,861 | 2,139 | - | - | - | - | 49,997,861 |
| FUND 1000 | COMM PAPER | 526891 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,997,861 | 2,139 | - | - | - | - | 49,997,861 |
| FUND 1000 | COMM PAPER | 526892 | BONY | 93 | CANT | 11/5/2019 | 11/12/2019 | 11/5/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | REPO INT | 526904 | BONY | 93 | DAIWA | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.5 | 1.5 | 41,190,000 | 41,190,000 | - | - | - | - | - | 41,190,000 |
| FUND 1000 | COMM PAPER | 526843 | BONY | 93 | CANT | 10/30/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.63 | 1.631 | 50,000,000 | 49,984,153 | - | - | 15,847 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526888 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526889 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526890 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,997,861 | - | - | 2,139 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526891 | BONY | 93 | CANT | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,997,861 | - | - | 2,139 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526904 | BONY | 93 | DAIWA | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.5 | 1.5 | 41,190,000 | 41,190,000 | - | - | 1,716 | - | - | 41,191,716 |
| FUND 1000 | COMM PAPER | 526907 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526908 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526909 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526910 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526911 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.53 | 1.53 | 40,000,000 | 39,998,300 | 1,700 | - | - | - | - | 39,998,300 |
| FUND 1000 | COMM PAPER | 526912 | BONY | 93 | MERIL | 11/6/2019 | 11/13/2019 | 11/6/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,985,028 | 14,972 | - | - | - | - | 49,985,028 |
| FUND 1000 | COMM PAPER | 526913 | BONY | 93 | MERIL | 11/6/2019 | 11/13/2019 | 11/6/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,985,028 | 14,972 | - | - | - | - | 49,985,028 |
| FUND 1000 | REPO INT | 526916 | BONY | 93 | DAIWA | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.5 | 1.5 | 25,915,000 | 25,915,000 | - | - | - | - | - | 25,915,000 |
| FUND 1000 | COMM PAPER | 526907 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526908 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526909 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526910 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526911 | BONY | 93 | MERIL | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.53 | 1.53 | 40,000,000 | 39,998,300 | - | - | 1,700 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526916 | BONY | 93 | DAIWA | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.5 | 1.5 | 25,915,000 | 25,915,000 | - | - | 1,080 | - | - | 25,916,080 |
| FUND 1000 | COMM PAPER | 526929 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526930 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526931 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526932 | BONY | 93 | CANT | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526933 | BONY | 93 | CANT | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526934 | BONY | 93 | CANT | 11/7/2019 | 11/14/2019 | 11/7/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,985,125 | 14,875 | - | - | - | - | 49,985,125 |
| FUND 1000 | REPO INT | 526937 | BONY | 93 | DAIWA | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.5 | 1.5 | 26,960,000 | 26,960,000 | - | - | - | - | - | 26,960,000 |
| FUND 1000 | COMM PAPER | 526929 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526930 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526931 | BONY | 93 | MERIL | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526932 | BONY | 93 | CANT | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526933 | BONY | 93 | CANT | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 526937 | BONY | 93 | DAIWA | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.5 | 1.5 | 26,960,000 | 26,960,000 | - | - | 1,123 | - | - | 26,961,123 |
| FUND 1000 | COMM PAPER | 526947 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,991,056 | 8,944 | - | - | - | - | 49,991,056 |
| FUND 1000 | COMM PAPER | 526948 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,991,056 | 8,944 | - | - | - | - | 49,991,056 |
| FUND 1000 | COMM PAPER | 526949 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,991,500 | 8,500 | - | - | - | - | 49,991,500 |
| FUND 1000 | COMM PAPER | 526950 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.53 | 1.53 | 40,000,000 | 39,993,200 | 6,800 | - | - | - | - | 39,993,200 |
| FUND 1000 | REPO INT | 526954 | BONY | 93 | DAIWA | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.5 | 1.5 | 39,588,000 | 39,588,000 | - | - | - | - | - | 39,588,000 |
| FUND 1000 | COMM PAPER | 526881 | BONY | 93 | MERIL | 11/4/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.57 | 1.571 | 50,000,000 | 49,982,556 | - | - | 17,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526892 | BONY | 93 | CANT | 11/5/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526947 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,991,056 | - | - | 8,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526948 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,991,056 | - | - | 8,944 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526949 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,991,500 | - | - | 8,500 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526950 | BONY | 93 | MERIL | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.53 | 1.53 | 40,000,000 | 39,993,200 | - | - | 6,800 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526954 | BONY | 93 | DAIWA | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.5 | 1.5 | 39,588,000 | 39,588,000 | - | - | 6,598 | - | - | 39,594,598 |
| FUND 1000 | COMM PAPER | 526966 | BONY | 93 | RBC | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526967 | BONY | 93 | RBC | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526968 | BONY | 93 | RBC | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526969 | BONY | 93 | CANT | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526970 | BONY | 93 | CANT | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526971 | BONY | 93 | CANT | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.53 | 1.53 | 20,000,000 | 19,999,150 | 850 | - | - | - | - | 19,999,150 |
| FUND 1000 | COMM PAPER | 526973 | BONY | 93 | RBC | 11/12/2019 | 11/19/2019 | 11/12/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | COMM PAPER | 526974 | BONY | 93 | RBC | 11/12/2019 | 11/19/2019 | 11/12/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | REPO INT | 526977 | BONY | 93 | DAIWA | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.5 | 1.5 | 32,592,000 | 32,592,000 | - | - | - | - | - | 32,592,000 |
| FUND 1000 | COMM PAPER | 526912 | BONY | 93 | MERIL | 11/6/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,985,028 | - | - | 14,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526913 | BONY | 93 | MERIL | 11/6/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,985,028 | - | - | 14,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526966 | BONY | 93 | RBC | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526967 | BONY | 93 | RBC | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 526968 | BONY | 93 RBC | | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526969 | BONY | 93 CANT | | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526970 | BONY | 93 CANT | | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526971 | BONY | 93 CANT | | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.53 | 1.53 | 20,000,000 | 19,999,150 | - | - | 850 | - | - | 20,000,000 |
| FUND 1000 | REPO INT | 526977 | BONY | 93 DAIWA | | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.5 | 1.5 | 32,592,000 | 32,592,000 | - | - | 1,358 | - | - | 32,593,358 |
| FUND 1000 | COMM PAPER | 526980 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526981 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526982 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526983 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526984 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526985 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 526986 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.53 | 1.53 | 40,000,000 | 39,998,300 | 1,700 | - | - | - | - | 39,998,300 |
| FUND 1000 | COMM PAPER | 526987 | BONY | 93 CANT | | 11/13/2019 | 11/20/2019 | 11/13/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | COMM PAPER | 526988 | BONY | 93 CANT | | 11/13/2019 | 11/20/2019 | 11/13/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | REPO INT | 526990 | BONY | 93 DAIWA | | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.5 | 1.5 | 39,026,000 | 39,026,000 | - | - | - | - | - | 39,026,000 |
| FUND 1000 | FFCB DISC | 526641 | BONY | 93 DAIWA | | 10/10/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.68 | 1.683 | 25,000,000 | 24,959,167 | - | - | 40,833 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 526934 | BONY | 93 CANT | | 11/7/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,985,125 | - | - | 14,875 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526980 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526981 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526982 | BONY | 93 MERIL | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526983 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526984 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526985 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526986 | BONY | 93 CANT | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.53 | 1.53 | 40,000,000 | 39,998,300 | - | - | 1,700 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 526990 | BONY | 93 DAIWA | | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.5 | 1.5 | 39,026,000 | 39,026,000 | - | - | 1,626 | - | - | 39,027,626 |
| FUND 1000 | COMM PAPER | 526998 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 526999 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 527000 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 527001 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527002 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527003 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527004 | BONY | 93 CANT | | 11/14/2019 | 11/21/2019 | 11/14/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | COMM PAPER | 527005 | BONY | 93 CANT | | 11/14/2019 | 11/21/2019 | 11/14/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | REPO INT | 527014 | BONY | 93 DAIWA | | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.5 | 1.5 | 45,261,000 | 45,261,000 | - | - | - | - | - | 45,261,000 |
| FUND 1000 | T-STRIPS | 527165 | BONY | 93 - | | 12/24/2002 | 11/15/2019 | 11/15/2019 | Interest | 0 | 8.52 | - | 16,526 | - | - | - | 16,526 | - | - |
| FUND 1000 | COMM PAPER | 526998 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526999 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527000 | BONY | 93 RBC | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527001 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527002 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527003 | BONY | 93 MERIL | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527014 | BONY | 93 DAIWA | | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.5 | 1.5 | 45,261,000 | 45,261,000 | - | - | 1,886 | - | - | 45,262,886 |
| FUND 1000 | T-STRIPS | 527165 | BONY | 93 | | 12/24/2002 | 11/15/2019 | 11/15/2019 | Matured | 0 | 8.52 | 28,000 | 28,000 | - | - | - | - | - | 28,000 |
| FUND 1000 | COMM PAPER | 527033 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,993,375 | 6,625 | - | - | - | - | 49,993,375 |
| FUND 1000 | COMM PAPER | 527034 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,993,375 | 6,625 | - | - | - | - | 49,993,375 |
| FUND 1000 | COMM PAPER | 527035 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.59 | 1.59 | 40,000,000 | 39,994,700 | 5,300 | - | - | - | - | 39,994,700 |
| FUND 1000 | REPO INT | 527040 | BONY | 93 DAIWA | | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.5 | 1.5 | 48,653,000 | 48,653,000 | - | - | - | - | - | 48,653,000 |
| FUND 1000 | COMM PAPER | 527033 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,993,375 | - | - | 6,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527034 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,993,375 | - | - | 6,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527035 | BONY | 93 CANT | | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.59 | 1.59 | 40,000,000 | 39,994,700 | - | - | 5,300 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 527040 | BONY | 93 DAIWA | | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.5 | 1.5 | 48,653,000 | 48,653,000 | - | - | 6,082 | - | - | 48,659,082 |
| FUND 1000 | COMM PAPER | 527042 | BONY | 93 MERIL | | 11/18/2019 | 11/19/2019 | 11/18/2019 | Purchased | 1.6 | 1.6 | 40,000,000 | 39,998,222 | 1,778 | - | - | - | - | 39,998,222 |
| FUND 1000 | COMM PAPER | 527043 | BONY | 93 MERIL | | 11/18/2019 | 11/19/2019 | 11/18/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527044 | BONY | 93 MERIL | | 11/18/2019 | 11/19/2019 | 11/18/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | REPO INT | 527049 | BONY | 93 | DAIWA | 11/18/2019 | 11/19/2019 | 11/18/2019 | Purchased | 1.5 | 1.5 | 15,582,000 | 15,582,000 | - | - | - | - | - | 15,582,000 |
| FUND 1000 | COMM PAPER | 526973 | BONY | 93 | RBC | 11/12/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526974 | BONY | 93 | RBC | 11/12/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527042 | BONY | 93 | MERIL | 11/18/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.6 | 1.6 | 40,000,000 | 39,998,222 | - | - | 1,778 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 527043 | BONY | 93 | MERIL | 11/18/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527044 | BONY | 93 | MERIL | 11/18/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527049 | BONY | 93 | DAIWA | 11/18/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.5 | 1.5 | 15,582,000 | 15,582,000 | - | - | 649 | - | - | 15,582,649 |
| FUND 1000 | COMM PAPER | 527051 | BONY | 93 | RBC | 11/19/2019 | 11/20/2019 | 11/19/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527052 | BONY | 93 | RBC | 11/19/2019 | 11/20/2019 | 11/19/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527053 | BONY | 93 | CANT | 11/19/2019 | 12/2/2019 | 11/19/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,972,104 | 27,896 | - | - | - | - | 49,972,104 |
| FUND 1000 | COMM PAPER | 527054 | BONY | 93 | CANT | 11/19/2019 | 12/2/2019 | 11/19/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,972,104 | 27,896 | - | - | - | - | 49,972,104 |
| FUND 1000 | REPO INT | 527063 | BONY | 93 | DAIWA | 11/19/2019 | 11/20/2019 | 11/19/2019 | Purchased | 1.5 | 1.5 | 98,516,000 | 98,516,000 | - | - | - | - | - | 98,516,000 |
| FUND 1000 | COMM PAPER | 526987 | BONY | 93 | CANT | 11/13/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 526988 | BONY | 93 | CANT | 11/13/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527051 | BONY | 93 | RBC | 11/19/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527052 | BONY | 93 | RBC | 11/19/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527063 | BONY | 93 | DAIWA | 11/19/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.5 | 1.5 | 98,516,000 | 98,516,000 | - | - | 4,105 | - | - | 98,520,105 |
| FUND 1000 | COMM PAPER | 527072 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527073 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527074 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/20/2019 | Purchased | 1.6 | 1.6 | 25,000,000 | 24,998,889 | 1,111 | - | - | - | - | 24,998,889 |
| FUND 1000 | COMM PAPER | 527075 | BONY | 93 | MERIL | 11/20/2019 | 12/2/2019 | 11/20/2019 | Purchased | 1.55 | 1.551 | 50,000,000 | 49,974,167 | 25,833 | - | - | - | - | 49,974,167 |
| FUND 1000 | COMM PAPER | 527076 | BONY | 93 | MERIL | 11/20/2019 | 12/2/2019 | 11/20/2019 | Purchased | 1.55 | 1.551 | 50,000,000 | 49,974,167 | 25,833 | - | - | - | - | 49,974,167 |
| FUND 1000 | REPO INT | 527079 | BONY | 93 | DAIWA | 11/20/2019 | 11/21/2019 | 11/20/2019 | Purchased | 1.5 | 1.5 | 29,860,000 | 29,860,000 | - | - | - | - | - | 29,860,000 |
| FUND 1000 | COMM PAPER | 527004 | BONY | 93 | CANT | 11/14/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527005 | BONY | 93 | CANT | 11/14/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527072 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527073 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527074 | BONY | 93 | MERIL | 11/20/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.6 | 1.6 | 25,000,000 | 24,998,889 | - | - | 1,111 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 527079 | BONY | 93 | DAIWA | 11/20/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.5 | 1.5 | 29,860,000 | 29,860,000 | - | - | 1,244 | - | - | 29,861,244 |
| FUND 1000 | COMM PAPER | 527087 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527088 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527089 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527090 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527091 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527092 | BONY | 93 | CANT | 11/21/2019 | 12/5/2019 | 11/21/2019 | Purchased | 1.55 | 1.551 | 50,000,000 | 49,969,861 | 30,139 | - | - | - | - | 49,969,861 |
| FUND 1000 | COMM PAPER | 527093 | BONY | 93 | CANT | 11/21/2019 | 12/5/2019 | 11/21/2019 | Purchased | 1.55 | 1.551 | 50,000,000 | 49,969,861 | 30,139 | - | - | - | - | 49,969,861 |
| FUND 1000 | REPO INT | 527101 | BONY | 93 | DAIWA | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.5 | 1.5 | 24,556,000 | 24,556,000 | - | - | - | - | - | 24,556,000 |
| FUND 1000 | COMM PAPER | 527087 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527088 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527089 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527090 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527091 | BONY | 93 | RBC | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527101 | BONY | 93 | DAIWA | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.5 | 1.5 | 24,556,000 | 24,556,000 | - | - | 1,023 | - | - | 24,557,023 |
| FUND 1000 | COMM PAPER | 527104 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,993,417 | 6,583 | - | - | - | - | 49,993,417 |
| FUND 1000 | COMM PAPER | 527105 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,993,417 | 6,583 | - | - | - | - | 49,993,417 |
| FUND 1000 | COMM PAPER | 527106 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527107 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | REPO INT | 527109 | BONY | 93 | DAIWA | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.5 | 1.5 | 18,628,000 | 18,628,000 | - | - | - | - | - | 18,628,000 |
| FUND 1000 | COMM PAPER | 527104 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,993,417 | - | - | 6,583 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527105 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,993,417 | - | - | 6,583 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527106 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527107 | BONY | 93 | MERIL | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527109 | BONY | 93 | DAIWA | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.5 | 1.5 | 18,628,000 | 18,628,000 | - | - | 2,329 | - | - | 18,630,329 |
| FUND 1000 | COMM PAPER | 527112 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 527113 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527114 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527115 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527116 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527117 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527118 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527119 | BONY | 93 | MERIL | 11/25/2019 | 12/2/2019 | 11/25/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,984,931 | 15,069 | - | - | - | - | 49,984,931 |
| FUND 1000 | REPO INT | 527124 | BONY | 93 | DAIWA | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.5 | 1.5 | 53,075,000 | 53,075,000 | - | - | - | - | - | 53,075,000 |
| FUND 1000 | COMM PAPER | 527112 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527113 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527114 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527115 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527116 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527117 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527118 | BONY | 93 | MERIL | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527124 | BONY | 93 | DAIWA | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.5 | 1.5 | 53,075,000 | 53,075,000 | - | - | 2,211 | - | - | 53,077,211 |
| FUND 1000 | COMM PAPER | 527133 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527134 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527135 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527136 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527137 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527138 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.53 | 1.53 | 40,000,000 | 39,998,300 | 1,700 | - | - | - | - | 39,998,300 |
| FUND 1000 | REPO INT | 527142 | BONY | 93 | DAIWA | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.5 | 1.5 | 30,428,000 | 30,428,000 | - | - | - | - | - | 30,428,000 |
| FUND 1000 | COMM PAPER | 527133 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527134 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527135 | BONY | 93 | RBC | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527136 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527137 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527138 | BONY | 93 | CANT | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.53 | 1.53 | 40,000,000 | 39,998,300 | - | - | 1,700 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 527142 | BONY | 93 | DAIWA | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.5 | 1.5 | 30,428,000 | 30,428,000 | - | - | 1,268 | - | - | 30,429,268 |
| FUND 1000 | COMM PAPER | 527149 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,995,750 | 4,250 | - | - | - | - | 49,995,750 |
| FUND 1000 | COMM PAPER | 527150 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,995,750 | 4,250 | - | - | - | - | 49,995,750 |
| FUND 1000 | COMM PAPER | 527151 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.53 | 1.53 | 20,000,000 | 19,998,300 | 1,700 | - | - | - | - | 19,998,300 |
| FUND 1000 | COMM PAPER | 527152 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,995,750 | 4,250 | - | - | - | - | 49,995,750 |
| FUND 1000 | REPO INT | 527155 | BONY | 93 | DAIWA | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.5 | 1.5 | 28,382,000 | 28,382,000 | - | - | - | - | - | 28,382,000 |
| FUND 1000 | COMM PAPER | 527149 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,995,750 | - | - | 4,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527150 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,995,750 | - | - | 4,250 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527151 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.53 | 1.53 | 20,000,000 | 19,998,300 | - | - | 1,700 | - | - | 20,000,000 |
| FUND 1000 | COMM PAPER | 527152 | BONY | 93 | CANT | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,995,750 | - | - | 4,250 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527155 | BONY | 93 | DAIWA | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.5 | 1.5 | 28,382,000 | 28,382,000 | - | - | 2,365 | - | - | 28,384,365 |
| FUND 1000 | REPO INT | 527162 | BONY | 93 | DAIWA | 11/29/2019 | 12/2/2019 | 11/29/2019 | Purchased | 1.55 | 1.55 | 88,774,000 | 88,774,000 | - | - | - | - | - | 88,774,000 |
| FUND 1000 | COMM PAPER | 527053 | BONY | 93 | CANT | 11/19/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,972,104 | - | - | 27,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527054 | BONY | 93 | CANT | 11/19/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,972,104 | - | - | 27,896 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527075 | BONY | 93 | MERIL | 11/20/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.551 | 50,000,000 | 49,974,167 | - | - | 25,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527076 | BONY | 93 | MERIL | 11/20/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.551 | 50,000,000 | 49,974,167 | - | - | 25,833 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527119 | BONY | 93 | MERIL | 11/25/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,984,931 | - | - | 15,069 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527162 | BONY | 93 | DAIWA | 11/29/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.55 | 88,774,000 | 88,774,000 | - | - | 11,467 | - | - | 88,785,467 |
| FUND 1000 | COMM PAPER | 527166 | BONY | 93 | MERIL | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 527167 | BONY | 93 | MERIL | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.61 | 1.61 | 50,000,000 | 49,997,764 | 2,236 | - | - | - | - | 49,997,764 |
| FUND 1000 | COMM PAPER | 527168 | BONY | 93 | WELLB | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,997,861 | 2,139 | - | - | - | - | 49,997,861 |
| FUND 1000 | COMM PAPER | 527169 | BONY | 93 | WELLB | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,997,861 | 2,139 | - | - | - | - | 49,997,861 |
| FUND 1000 | COMM PAPER | 527170 | BONY | 93 | WELLB | 12/2/2019 | 12/9/2019 | 12/2/2019 | Purchased | 1.56 | 1.56 | 50,000,000 | 49,984,833 | 15,167 | - | - | - | - | 49,984,833 |
| FUND 1000 | REPO INT | 527173 | BONY | 93 | DAIWA | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.5 | 1.5 | 65,945,000 | 65,945,000 | - | - | - | - | - | 65,945,000 |
| FUND 1000 | COMM PAPER | 527166 | BONY | 93 | MERIL | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 527167 | BONY | 93 | MERIL | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.61 | 1.61 | 50,000,000 | 49,997,764 | - | - | 2,236 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527168 | BONY | 93 | WELLB | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,997,861 | - | - | 2,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527169 | BONY | 93 | WELLB | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,997,861 | - | - | 2,139 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527173 | BONY | 93 | DAIWA | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.5 | 1.5 | 65,945,000 | 65,945,000 | - | - | 2,748 | - | - | 65,947,748 |
| FUND 1000 | COMM PAPER | 527207 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527208 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527209 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527210 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527211 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | REPO INT | 527212 | BONY | 93 | DAIWA | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.5 | 1.5 | 56,365,000 | 56,365,000 | - | - | - | - | - | 56,365,000 |
| FUND 1000 | COMM PAPER | 527207 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527208 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527209 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527210 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527211 | BONY | 93 | CANT | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527212 | BONY | 93 | DAIWA | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.5 | 1.5 | 56,365,000 | 56,365,000 | - | - | 2,349 | - | - | 56,367,349 |
| FUND 1000 | COMM PAPER | 527217 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527218 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527219 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527220 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527221 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527222 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.53 | 1.53 | 25,000,000 | 24,998,938 | 1,063 | - | - | - | - | 24,998,938 |
| FUND 1000 | REPO INT | 527248 | BONY | 93 | DAIWA | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.5 | 1.5 | 60,764,000 | 60,764,000 | - | - | - | - | - | 60,764,000 |
| FUND 1000 | COMM PAPER | 527092 | BONY | 93 | CANT | 11/21/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.55 | 1.551 | 50,000,000 | 49,969,861 | - | - | 30,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527093 | BONY | 93 | CANT | 11/21/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.55 | 1.551 | 50,000,000 | 49,969,861 | - | - | 30,139 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527217 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527218 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527219 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527220 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527221 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527222 | BONY | 93 | MERIL | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.53 | 1.53 | 25,000,000 | 24,998,938 | - | - | 1,063 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 527248 | BONY | 93 | DAIWA | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.5 | 1.5 | 60,764,000 | 60,764,000 | - | - | 2,532 | - | - | 60,766,532 |
| FUND 1000 | COMM PAPER | 527250 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527251 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527252 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527253 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527254 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527255 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527256 | BONY | 93 | CANT | 12/5/2019 | 12/12/2019 | 12/5/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,985,222 | 14,778 | - | - | - | - | 49,985,222 |
| FUND 1000 | COMM PAPER | 527257 | BONY | 93 | CANT | 12/5/2019 | 12/12/2019 | 12/5/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,985,222 | 14,778 | - | - | - | - | 49,985,222 |
| FUND 1000 | REPO INT | 527270 | BONY | 93 | DAIWA | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.5 | 1.5 | 34,526,000 | 34,526,000 | - | - | - | - | - | 34,526,000 |
| FUND 1000 | COMM PAPER | 527250 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527251 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527252 | BONY | 93 | RBC | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527253 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527254 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527255 | BONY | 93 | CANT | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527270 | BONY | 93 | DAIWA | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.5 | 1.5 | 34,526,000 | 34,526,000 | - | - | 1,439 | - | - | 34,527,439 |
| FUND 1000 | COMM PAPER | 527281 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527282 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527283 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527284 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527285 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527286 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | REPO INT | 527292 | BONY | 93 | DAIWA | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.5 | 1.5 | 58,652,000 | 58,652,000 | - | - | - | - | - | 58,652,000 |
| FUND 1000 | COMM PAPER | 527170 | BONY | 93 | WELLB | 12/2/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.56 | 1.56 | 50,000,000 | 49,984,833 | - | - | 15,167 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527281 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527282 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527283 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527284 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527285 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527286 | BONY | 93 | MERIL | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527292 | BONY | 93 | DAIWA | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.5 | 1.5 | 58,652,000 | 58,652,000 | - | - | 7,332 | - | - | 58,659,332 |
| FUND 1000 | COMM PAPER | 527294 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527295 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527296 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527297 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527298 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527299 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527300 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,997,889 | 2,111 | - | - | - | - | 49,997,889 |
| FUND 1000 | COMM PAPER | 527301 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,997,889 | 2,111 | - | - | - | - | 49,997,889 |
| FUND 1000 | COMM PAPER | 527302 | BONY | 93 | RBC | 12/9/2019 | 12/16/2019 | 12/9/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,985,028 | 14,972 | - | - | - | - | 49,985,028 |
| FUND 1000 | COMM PAPER | 527303 | BONY | 93 | RBC | 12/9/2019 | 12/16/2019 | 12/9/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,985,028 | 14,972 | - | - | - | - | 49,985,028 |
| FUND 1000 | REPO INT | 527306 | BONY | 93 | DAIWA | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.5 | 1.5 | 53,547,000 | 53,547,000 | - | - | - | - | - | 53,547,000 |
| FUND 1000 | T-BILL | 526705 | BONY | 93 | CANT | 10/16/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.635 | 1.639 | 2,800,000 | 2,793,006 | - | - | 6,994 | - | - | 2,800,000 |
| FUND 1000 | COMM PAPER | 527294 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527295 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527296 | BONY | 93 | RBC | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527297 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527298 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527299 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527300 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,997,889 | - | - | 2,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527301 | BONY | 93 | CANT | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,997,889 | - | - | 2,111 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527306 | BONY | 93 | DAIWA | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.5 | 1.5 | 53,547,000 | 53,547,000 | - | - | 2,231 | - | - | 53,549,231 |
| FUND 1000 | COMM PAPER | 527344 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527345 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527346 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527347 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527348 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527349 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.53 | 1.53 | 30,000,000 | 29,998,725 | 1,275 | - | - | - | - | 29,998,725 |
| FUND 1000 | COMM PAPER | 527350 | BONY | 93 | CANT | 12/10/2019 | 12/16/2019 | 12/10/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,987,250 | 12,750 | - | - | - | - | 49,987,250 |
| FUND 1000 | COMM PAPER | 527351 | BONY | 93 | CANT | 12/10/2019 | 12/16/2019 | 12/10/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,987,250 | 12,750 | - | - | - | - | 49,987,250 |
| FUND 1000 | REPO INT | 527354 | BONY | 93 | DAIWA | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 47,125,000 | 47,125,000 | - | - | - | - | - | 47,125,000 |
| FUND 1000 | COMM PAPER | 527344 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527345 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527346 | BONY | 93 | MERIL | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527347 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527348 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527349 | BONY | 93 | CANT | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.53 | 1.53 | 30,000,000 | 29,998,725 | - | - | 1,275 | - | - | 30,000,000 |
| FUND 1000 | REPO INT | 527354 | BONY | 93 | DAIWA | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.5 | 1.5 | 47,125,000 | 47,125,000 | - | - | 1,964 | - | - | 47,126,964 |
| FUND 1000 | COMM PAPER | 527355 | BONY | 93 | MERIL | 12/11/2019 | 12/12/2019 | 12/11/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527356 | BONY | 93 | MERIL | 12/11/2019 | 12/12/2019 | 12/11/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527357 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/11/2019 | Purchased | 1.525 | 1.525 | 50,000,000 | 49,985,174 | 14,826 | - | - | - | - | 49,985,174 |
| FUND 1000 | COMM PAPER | 527358 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/11/2019 | Purchased | 1.525 | 1.525 | 50,000,000 | 49,985,174 | 14,826 | - | - | - | - | 49,985,174 |
| FUND 1000 | COMM PAPER | 527359 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/11/2019 | Purchased | 1.525 | 1.525 | 50,000,000 | 49,985,174 | 14,826 | - | - | - | - | 49,985,174 |
| FUND 1000 | COMM PAPER | 527360 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/11/2019 | Purchased | 1.525 | 1.525 | 40,000,000 | 39,988,139 | 11,861 | - | - | - | - | 39,988,139 |
| FUND 1000 | REPO INT | 527369 | BONY | 93 | DAIWA | 12/11/2019 | 12/12/2019 | 12/11/2019 | Purchased | 1.5 | 1.5 | 44,494,000 | 44,494,000 | - | - | - | - | - | 44,494,000 |
| FUND 1000 | COMM PAPER | 527256 | BONY | 93 | CANT | 12/5/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,985,222 | - | - | 14,778 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1000 | COMM PAPER | 527257 | BONY | 93 | CANT | 12/5/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,985,222 | - | - | 14,778 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527355 | BONY | 93 | MERIL | 12/11/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527356 | BONY | 93 | MERIL | 12/11/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527369 | BONY | 93 | DAIWA | 12/11/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.5 | 1.5 | 44,494,000 | 44,494,000 | - | - | 1,854 | - | - | 44,495,854 |
| FUND 1000 | COMM PAPER | 527374 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527375 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527376 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.58 | 1.58 | 50,000,000 | 49,997,806 | 2,194 | - | - | - | - | 49,997,806 |
| FUND 1000 | COMM PAPER | 527377 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527378 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527379 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527380 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 25,000,000 | 24,998,938 | 1,063 | - | - | - | - | 24,998,938 |
| FUND 1000 | COMM PAPER | 527381 | BONY | 93 | CANT | 12/12/2019 | 12/17/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,989,375 | 10,625 | - | - | - | - | 49,989,375 |
| FUND 1000 | COMM PAPER | 527382 | BONY | 93 | CANT | 12/12/2019 | 12/17/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,989,375 | 10,625 | - | - | - | - | 49,989,375 |
| FUND 1000 | REPO INT | 527392 | BONY | 93 | DAIWA | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.5 | 1.5 | 22,719,000 | 22,719,000 | - | - | - | - | - | 22,719,000 |
| FUND 1000 | COMM PAPER | 527374 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527375 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527376 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.58 | 1.58 | 50,000,000 | 49,997,806 | - | - | 2,194 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527377 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527378 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527379 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527380 | BONY | 93 | RBC | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.53 | 1.53 | 25,000,000 | 24,998,938 | - | - | 1,063 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 527392 | BONY | 93 | DAIWA | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.5 | 1.5 | 22,719,000 | 22,719,000 | - | - | 947 | - | - | 22,719,947 |
| FUND 1000 | COMM PAPER | 527402 | BONY | 93 | MERIL | 12/13/2019 | 12/16/2019 | 12/13/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527403 | BONY | 93 | MERIL | 12/13/2019 | 12/16/2019 | 12/13/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | REPO INT | 527408 | BONY | 93 | DAIWA | 12/13/2019 | 12/16/2019 | 12/13/2019 | Purchased | 1.5 | 1.5 | 70,525,000 | 70,525,000 | - | - | - | - | - | 70,525,000 |
| FUND 1000 | COMM PAPER | 527302 | BONY | 93 | RBC | 12/9/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,985,028 | - | - | 14,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527303 | BONY | 93 | RBC | 12/9/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,985,028 | - | - | 14,972 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527350 | BONY | 93 | CANT | 12/10/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,987,250 | - | - | 12,750 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527351 | BONY | 93 | CANT | 12/10/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,987,250 | - | - | 12,750 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527402 | BONY | 93 | MERIL | 12/13/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527403 | BONY | 93 | MERIL | 12/13/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527408 | BONY | 93 | DAIWA | 12/13/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.5 | 1.5 | 70,525,000 | 70,525,000 | - | - | 8,816 | - | - | 70,533,816 |
| FUND 1000 | COMM PAPER | 527410 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527411 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527412 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527413 | BONY | 93 | CANT | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527414 | BONY | 93 | CANT | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.53 | 1.53 | 25,000,000 | 24,998,938 | 1,063 | - | - | - | - | 24,998,938 |
| FUND 1000 | COMM PAPER | 527415 | BONY | 93 | MERIL | 12/16/2019 | 12/20/2019 | 12/16/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,991,556 | 8,444 | - | - | - | - | 49,991,556 |
| FUND 1000 | COMM PAPER | 527416 | BONY | 93 | MERIL | 12/16/2019 | 12/20/2019 | 12/16/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,991,556 | 8,444 | - | - | - | - | 49,991,556 |
| FUND 1000 | REPO INT | 527421 | BONY | 93 | DAIWA | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.55 | 1.55 | 34,408,000 | 34,408,000 | - | - | - | - | - | 34,408,000 |
| FUND 1000 | COMM PAPER | 527381 | BONY | 93 | CANT | 12/12/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,989,375 | - | - | 10,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527382 | BONY | 93 | CANT | 12/12/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,989,375 | - | - | 10,625 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527410 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527411 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527412 | BONY | 93 | MERIL | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527413 | BONY | 93 | CANT | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527414 | BONY | 93 | CANT | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 25,000,000 | 24,998,938 | - | - | 1,063 | - | - | 25,000,000 |
| FUND 1000 | REPO INT | 527421 | BONY | 93 | DAIWA | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.55 | 1.55 | 34,408,000 | 34,408,000 | - | - | 1,481 | - | - | 34,409,481 |
| FUND 1000 | COMM PAPER | 527445 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527446 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527447 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527448 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527449 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527450 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 527451 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527452 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527453 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527454 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527455 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,993,667 | 6,333 | - | - | - | - | 49,993,667 |
| FUND 1000 | COMM PAPER | 527456 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,993,667 | 6,333 | - | - | - | - | 49,993,667 |
| FUND 1000 | COMM PAPER | 527457 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,993,667 | 6,333 | - | - | - | - | 49,993,667 |
| FUND 1000 | COMM PAPER | 527458 | BONY | 93 | RBC | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527459 | BONY | 93 | RBC | 12/17/2019 | 12/20/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | REPO INT | 527462 | BONY | 93 | DAIWA | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.5 | 1.5 | 97,505,000 | 97,505,000 | - | - | - | - | - | 97,505,000 |
| FUND 1000 | COMM PAPER | 527357 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.525 | 1.525 | 50,000,000 | 49,985,174 | - | - | 14,826 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527358 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.525 | 1.525 | 50,000,000 | 49,985,174 | - | - | 14,826 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527359 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.525 | 1.525 | 50,000,000 | 49,985,174 | - | - | 14,826 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527360 | BONY | 93 | CANT | 12/11/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.525 | 1.525 | 40,000,000 | 39,988,139 | - | - | 11,861 | - | - | 40,000,000 |
| FUND 1000 | COMM PAPER | 527445 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527446 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527447 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527448 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527449 | BONY | 93 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527462 | BONY | 93 | DAIWA | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.5 | 1.5 | 97,505,000 | 97,505,000 | - | - | 4,063 | - | - | 97,509,063 |
| FUND 1000 | COMM PAPER | 527465 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527466 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527467 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527468 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527469 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527470 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 1000 | COMM PAPER | 527471 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 1000 | COMM PAPER | 527472 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 1000 | COMM PAPER | 527473 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 1000 | COMM PAPER | 527474 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 1000 | COMM PAPER | 527475 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,995,694 | 4,306 | - | - | - | - | 49,995,694 |
| FUND 1000 | COMM PAPER | 527476 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,995,694 | 4,306 | - | - | - | - | 49,995,694 |
| FUND 1000 | COMM PAPER | 527477 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,995,694 | 4,306 | - | - | - | - | 49,995,694 |
| FUND 1000 | COMM PAPER | 527478 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,995,694 | 4,306 | - | - | - | - | 49,995,694 |
| FUND 1000 | COMM PAPER | 527479 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/18/2019 | Purchased | 1.55 | 1.55 | 50,000,000 | 49,995,694 | 4,306 | - | - | - | - | 49,995,694 |
| FUND 1000 | REPO INT | 527484 | BONY | 93 | DAIWA | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.5 | 1.5 | 137,775,000 | 137,775,000 | - | - | - | - | - | 137,775,000 |
| FUND 1000 | COMM PAPER | 527465 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527466 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527467 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527468 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527469 | BONY | 93 | RBC | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527484 | BONY | 93 | DAIWA | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.5 | 1.5 | 137,775,000 | 137,775,000 | - | - | 5,741 | - | - | 137,780,741 |
| FUND 1000 | COMM PAPER | 527495 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527496 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527497 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527498 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.59 | 1.59 | 50,000,000 | 49,997,792 | 2,208 | - | - | - | - | 49,997,792 |
| FUND 1000 | COMM PAPER | 527499 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527500 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | T-BILL | 527501 | BONY | 93 | CANT | 12/19/2019 | 1/2/2020 | 12/19/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,970,833 | 29,167 | - | - | - | - | 49,970,833 |
| FUND 1000 | T-BILL | 527502 | BONY | 93 | CANT | 12/19/2019 | 1/2/2020 | 12/19/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,970,833 | 29,167 | - | - | - | - | 49,970,833 |
| FUND 1000 | T-BILL | 527503 | BONY | 93 | CANT | 12/19/2019 | 1/2/2020 | 12/19/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,970,833 | 29,167 | - | - | - | - | 49,970,833 |
| FUND 1000 | T-BILL | 527504 | BONY | 93 | CANT | 12/19/2019 | 1/2/2020 | 12/19/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,970,833 | 29,167 | - | - | - | - | 49,970,833 |
| FUND 1000 | T-BILL | 527505 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |
| FUND 1000 | T-BILL | 527506 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | T-BILL | 527507 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |
| FUND 1000 | T-BILL | 527508 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |
| FUND 1000 | T-BILL | 527509 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |
| FUND 1000 | T-BILL | 527510 | BONY | 93 | CANT | 12/19/2019 | 1/7/2020 | 12/19/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,960,681 | 39,319 | - | - | - | - | 49,960,681 |
| FUND 1000 | REPO INT | 527513 | BONY | 93 | DAIWA | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.5 | 1.5 | 96,181,000 | 96,181,000 | - | - | - | - | - | 96,181,000 |
| FUND 1000 | COMM PAPER | 527415 | BONY | 93 | MERIL | 12/16/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,991,556 | - | - | 8,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527416 | BONY | 93 | MERIL | 12/16/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,991,556 | - | - | 8,444 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527450 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527451 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527452 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527453 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527454 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527455 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,993,667 | - | - | 6,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527456 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,993,667 | - | - | 6,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527457 | BONY | 93 | CANT | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,993,667 | - | - | 6,333 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527458 | BONY | 93 | RBC | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527459 | BONY | 93 | RBC | 12/17/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527470 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527471 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527472 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527473 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527474 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527475 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,995,694 | - | - | 4,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527476 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,995,694 | - | - | 4,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527477 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,995,694 | - | - | 4,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527478 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,995,694 | - | - | 4,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527479 | BONY | 93 | MERIL | 12/18/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.55 | 1.55 | 50,000,000 | 49,995,694 | - | - | 4,306 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527495 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527496 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527497 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527498 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.59 | 1.59 | 50,000,000 | 49,997,792 | - | - | 2,208 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527499 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527500 | BONY | 93 | MERIL | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527513 | BONY | 93 | DAIWA | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.5 | 1.5 | 96,181,000 | 96,181,000 | - | - | 4,008 | - | - | 96,185,008 |
| FUND 1000 | COMM PAPER | 527539 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527540 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527541 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527542 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527543 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527544 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | T-BILL | 527545 | BONY | 93 | MERIL | 12/20/2019 | 1/21/2020 | 12/20/2019 | Purchased | 1.485 | 1.487 | 50,000,000 | 49,934,000 | 66,000 | - | - | - | - | 49,934,000 |
| FUND 1000 | T-BILL | 527546 | BONY | 93 | MERIL | 12/20/2019 | 1/21/2020 | 12/20/2019 | Purchased | 1.485 | 1.487 | 50,000,000 | 49,934,000 | 66,000 | - | - | - | - | 49,934,000 |
| FUND 1000 | T-BILL | 527547 | BONY | 93 | MERIL | 12/20/2019 | 1/21/2020 | 12/20/2019 | Purchased | 1.485 | 1.487 | 50,000,000 | 49,934,000 | 66,000 | - | - | - | - | 49,934,000 |
| FUND 1000 | T-BILL | 527548 | BONY | 93 | MERIL | 12/20/2019 | 1/21/2020 | 12/20/2019 | Purchased | 1.485 | 1.487 | 50,000,000 | 49,934,000 | 66,000 | - | - | - | - | 49,934,000 |
| FUND 1000 | REPO INT | 527550 | BONY | 93 | DAIWA | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.5 | 1.5 | 118,725,000 | 118,725,000 | - | - | - | - | - | 118,725,000 |
| FUND 1000 | COMM PAPER | 527539 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527540 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527541 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527542 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527543 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527544 | BONY | 93 | RBC | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527550 | BONY | 93 | DAIWA | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.5 | 1.5 | 118,725,000 | 118,725,000 | - | - | 14,841 | - | - | 118,739,841 |
| FUND 1000 | COMM PAPER | 527558 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527559 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 1000 | COMM PAPER | 527560 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527561 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527562 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527563 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,993,583 | 6,417 | - | - | - | - | 49,993,583 |
| FUND 1000 | COMM PAPER | 527564 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,993,583 | 6,417 | - | - | - | - | 49,993,583 |
| FUND 1000 | COMM PAPER | 527565 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,993,583 | 6,417 | - | - | - | - | 49,993,583 |
| FUND 1000 | COMM PAPER | 527566 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,993,583 | 6,417 | - | - | - | - | 49,993,583 |
| FUND 1000 | COMM PAPER | 527567 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.54 | 1.54 | 50,000,000 | 49,993,583 | 6,417 | - | - | - | - | 49,993,583 |
| FUND 1000 | T-BILL | 527568 | BONY | 93 | DAIWA | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.44 | 1.44 | 50,000,000 | 49,994,000 | 6,000 | - | - | - | - | 49,994,000 |
| FUND 1000 | T-BILL | 527569 | BONY | 93 | DAIWA | 12/23/2019 | 12/26/2019 | 12/23/2019 | Purchased | 1.44 | 1.44 | 50,000,000 | 49,994,000 | 6,000 | - | - | - | - | 49,994,000 |
| FUND 1000 | REPO INT | 527576 | BONY | 93 | DAIWA | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.5 | 1.5 | 127,921,000 | 127,921,000 | - | - | - | - | - | 127,921,000 |
| FUND 1000 | COMM PAPER | 527558 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527559 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527560 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527561 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527562 | BONY | 93 | MERIL | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527576 | BONY | 93 | DAIWA | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.5 | 1.5 | 127,921,000 | 127,921,000 | - | - | 5,330 | - | - | 127,926,330 |
| FUND 1000 | COMM PAPER | 527577 | BONY | 93 | MERIL | 12/24/2019 | 12/27/2019 | 12/24/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527578 | BONY | 93 | MERIL | 12/24/2019 | 12/27/2019 | 12/24/2019 | Purchased | 1.6 | 1.6 | 25,000,000 | 24,996,667 | 3,333 | - | - | - | - | 24,996,667 |
| FUND 1000 | COMM PAPER | 527579 | BONY | 93 | CANT | 12/24/2019 | 1/2/2020 | 12/24/2019 | Purchased | 1.52 | 1.521 | 50,000,000 | 49,981,000 | 19,000 | - | - | - | - | 49,981,000 |
| FUND 1000 | COMM PAPER | 527580 | BONY | 93 | CANT | 12/24/2019 | 1/2/2020 | 12/24/2019 | Purchased | 1.52 | 1.521 | 50,000,000 | 49,981,000 | 19,000 | - | - | - | - | 49,981,000 |
| FUND 1000 | COMM PAPER | 527581 | BONY | 93 | CANT | 12/24/2019 | 1/2/2020 | 12/24/2019 | Purchased | 1.52 | 1.521 | 50,000,000 | 49,981,000 | 19,000 | - | - | - | - | 49,981,000 |
| FUND 1000 | REPO INT | 527583 | BONY | 93 | DAIWA | 12/24/2019 | 12/26/2019 | 12/24/2019 | Purchased | 1.45 | 1.45 | 58,527,000 | 58,527,000 | - | - | - | - | - | 58,527,000 |
| FUND 1000 | COMM PAPER | 527563 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,993,583 | - | - | 6,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527564 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,993,583 | - | - | 6,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527565 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,993,583 | - | - | 6,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527566 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,993,583 | - | - | 6,417 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527567 | BONY | 93 | CANT | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.54 | 1.54 | 50,000,000 | 49,993,583 | - | - | 6,417 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 527568 | BONY | 93 | DAIWA | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.44 | 1.44 | 50,000,000 | 49,994,000 | - | - | 6,000 | - | - | 50,000,000 |
| FUND 1000 | T-BILL | 527569 | BONY | 93 | DAIWA | 12/23/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.44 | 1.44 | 50,000,000 | 49,994,000 | - | - | 6,000 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527583 | BONY | 93 | DAIWA | 12/24/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.45 | 1.45 | 58,527,000 | 58,527,000 | - | - | 4,715 | - | - | 58,531,715 |
| FUND 1000 | COMM PAPER | 527584 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527585 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527586 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527587 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 1000 | COMM PAPER | 527588 | BONY | 93 | MERIL | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,997,889 | 2,111 | - | - | - | - | 49,997,889 |
| FUND 1000 | COMM PAPER | 527589 | BONY | 93 | MERIL | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,997,889 | 2,111 | - | - | - | - | 49,997,889 |
| FUND 1000 | T-BILL | 527590 | BONY | 93 | BOFAB | 12/26/2019 | 2/18/2020 | 12/26/2019 | Purchased | 1.545 | 1.549 | 50,000,000 | 49,884,125 | 115,875 | - | - | - | - | 49,884,125 |
| FUND 1000 | T-BILL | 527591 | BONY | 93 | BOFAB | 12/26/2019 | 2/18/2020 | 12/26/2019 | Purchased | 1.545 | 1.549 | 50,000,000 | 49,884,125 | 115,875 | - | - | - | - | 49,884,125 |
| FUND 1000 | REPO INT | 527600 | BONY | 93 | DAIWA | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.5 | 1.5 | 86,660,000 | 86,660,000 | - | - | - | - | - | 86,660,000 |
| FUND 1000 | COMM PAPER | 527577 | BONY | 93 | MERIL | 12/24/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527578 | BONY | 93 | MERIL | 12/24/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.6 | 1.6 | 25,000,000 | 24,996,667 | - | - | 3,333 | - | - | 25,000,000 |
| FUND 1000 | COMM PAPER | 527584 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527585 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527586 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527587 | BONY | 93 | CANT | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527588 | BONY | 93 | MERIL | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,997,889 | - | - | 2,111 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527589 | BONY | 93 | MERIL | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,997,889 | - | - | 2,111 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527600 | BONY | 93 | DAIWA | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.5 | 1.5 | 86,660,000 | 86,660,000 | - | - | 3,611 | - | - | 86,663,611 |
| FUND 1000 | COMM PAPER | 527602 | BONY | 93 | RBC | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527603 | BONY | 93 | RBC | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527604 | BONY | 93 | RBC | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,993,333 | 6,667 | - | - | - | - | 49,993,333 |
| FUND 1000 | COMM PAPER | 527605 | BONY | 93 | RBC | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | COMM PAPER | 527606 | BONY | 93 | RBC | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------------------|------------------------|-------------------|---------------------|-------------------|---------------|---------------|------------------------|
| FUND 1000 | COMM PAPER | 527607 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,993,625 | 6,375 | - | - | - | - | 49,993,625 |
| FUND 1000 | REPO INT | 527609 | BONY | 93 DAIWA | | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.5 | 1.5 | 63,113,000 | 63,113,000 | - | - | - | - | - | 63,113,000 |
| FUND 1000 | COMM PAPER | 527602 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527603 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527604 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,993,333 | - | - | 6,667 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527605 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527606 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527607 | BONY | 93 RBC | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,993,625 | - | - | 6,375 | - | - | 50,000,000 |
| FUND 1000 | REPO INT | 527609 | BONY | 93 DAIWA | | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.5 | 1.5 | 63,113,000 | 63,113,000 | - | - | 7,889 | - | - | 63,120,889 |
| FUND 1000 | COMM PAPER | 527610 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/30/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527611 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/30/2019 | Purchased | 1.6 | 1.6 | 50,000,000 | 49,997,778 | 2,222 | - | - | - | - | 49,997,778 |
| FUND 1000 | COMM PAPER | 527612 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/30/2019 | Purchased | 1.6 | 1.6 | 40,000,000 | 39,998,222 | 1,778 | - | - | - | - | 39,998,222 |
| FUND 1000 | FFCB DISC | 527613 | BONY | 93 DAIWA | | 12/30/2019 | 1/17/2020 | 12/30/2019 | Purchased | 1.54 | 1.541 | 50,000,000 | 49,961,500 | 38,500 | - | - | - | - | 49,961,500 |
| FUND 1000 | T-BILL | 527614 | BONY | 93 DAIWA | | 12/30/2019 | 2/18/2020 | 12/30/2019 | Purchased | 1.485 | 1.488 | 50,000,000 | 49,896,875 | 103,125 | - | - | - | - | 49,896,875 |
| FUND 1000 | T-BILL | 527615 | BONY | 93 DAIWA | | 12/30/2019 | 2/18/2020 | 12/30/2019 | Purchased | 1.485 | 1.488 | 50,000,000 | 49,896,875 | 103,125 | - | - | - | - | 49,896,875 |
| FUND 1000 | T-BILL | 527616 | BONY | 93 DAIWA | | 12/30/2019 | 2/18/2020 | 12/30/2019 | Purchased | 1.485 | 1.488 | 50,000,000 | 49,896,875 | 103,125 | - | - | - | - | 49,896,875 |
| FUND 1000 | REPO INT | 527627 | BONY | 93 DAIWA | | 12/30/2019 | 12/31/2019 | 12/30/2019 | Purchased | 1.5 | 1.5 | 28,687,000 | 28,687,000 | - | - | - | - | - | 28,687,000 |
| FUND 1000 | COMM PAPER | 527610 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/31/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527611 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/31/2019 | Matured | 1.6 | 1.6 | 50,000,000 | 49,997,778 | - | - | 2,222 | - | - | 50,000,000 |
| FUND 1000 | COMM PAPER | 527612 | BONY | 93 MERIL | | 12/30/2019 | 12/31/2019 | 12/31/2019 | Matured | 1.6 | 1.6 | 40,000,000 | 39,998,222 | - | - | 1,778 | - | - | 40,000,000 |
| FUND 1000 | REPO INT | 527627 | BONY | 93 DAIWA | | 12/30/2019 | 12/31/2019 | 12/31/2019 | Matured | 1.5 | 1.5 | 28,687,000 | 28,687,000 | - | - | 1,195 | - | - | 28,688,195 |
| FUND 1000 | REPO INT | 527631 | BONY | 93 DAIWA | | 12/31/2019 | 1/2/2020 | 12/31/2019 | Purchased | 1.5 | 1.5 | 157,053,000 | 157,053,000 | - | - | - | - | - | 157,053,000 |
| FUND 1000 Total | | | | | | | | | | | | 168,860,926,000 | 168,823,662,844 | 18,747,938 | - | 19,521,096 | 16,526 | 177 | 168,843,167,237 |
| FUND 1992 | T-BILL | 523270 | BONY | 94 RBC | | 12/13/2018 | 2/7/2019 | 1/9/2019 | Partial Sale | 2.321 | 2.329 | 20,000 | 19,928 | 72 | - | 35 | - | 0 | 19,962 |
| FUND 1992 | T-BILL | 522928 | BONY | 94 RBC | | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 32,069,000 | 31,944,103 | - | - | 124,897 | - | - | 32,069,000 |
| FUND 1992 | T-BILL | 523573 | BONY | 94 DAIWA | | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 50,000,000 | 49,818,389 | 181,611 | - | - | - | - | 49,818,389 |
| FUND 1992 | T-BILL | 523574 | BONY | 94 DAIWA | | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 2,754,000 | 2,743,997 | 10,003 | - | - | - | - | 2,743,997 |
| FUND 1992 | T-BILL | 523640 | BONY | 94 BOFAB | | 1/15/2019 | 1/17/2019 | 1/15/2019 | Purchased | 2.32 | 2.32 | 367,000 | 366,953 | 47 | - | - | - | - | 366,953 |
| FUND 1992 | T-BILL | 523652 | BONY | 94 RBC | | 1/16/2019 | 3/7/2019 | 1/16/2019 | Purchased | 2.342 | 2.35 | 2,276,000 | 2,268,595 | 7,405 | - | - | - | - | 2,268,595 |
| FUND 1992 | T-BILL | 523640 | BONY | 94 BOFAB | | 1/15/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.32 | 2.32 | 367,000 | 366,953 | - | - | 47 | - | - | 367,000 |
| FUND 1992 | T-BILL | 523655 | BONY | 94 RBC | | 1/17/2019 | 4/11/2019 | 1/17/2019 | Purchased | 2.355 | 2.368 | 369,000 | 366,972 | 2,028 | - | - | - | - | 366,972 |
| FUND 1992 | T-BILL | 523565 | BONY | 94 RBC | | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.321 | 2.329 | 20,893,000 | 20,817,583 | - | - | 75,417 | - | - | 20,893,000 |
| FUND 1992 | T-BILL | 523900 | BONY | 94 DAIWA | | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 20,979,000 | 20,892,907 | 86,093 | - | - | - | - | 20,892,907 |
| FUND 1992 | T-BILL | 523573 | BONY | 94 DAIWA | | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 50,000,000 | 49,818,389 | - | - | 181,611 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 523574 | BONY | 94 DAIWA | | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 2,754,000 | 2,743,997 | - | - | 10,003 | - | - | 2,754,000 |
| FUND 1992 | T-BILL | 523652 | BONY | 94 RBC | | 1/16/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.342 | 2.35 | 2,276,000 | 2,268,595 | - | - | 7,405 | - | - | 2,276,000 |
| FUND 1992 | T-BILL | 524209 | BONY | 94 RBC | | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.375 | 50,000,000 | 49,884,792 | 115,208 | - | - | - | - | 49,884,792 |
| FUND 1992 | T-BILL | 524210 | BONY | 94 RBC | | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.375 | 5,157,000 | 5,145,117 | 11,883 | - | - | - | - | 5,145,117 |
| FUND 1992 | T-BILL | 523655 | BONY | 94 RBC | | 1/17/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.355 | 2.368 | 369,000 | 366,972 | - | - | 2,028 | - | - | 369,000 |
| FUND 1992 | T-BILL | 523900 | BONY | 94 DAIWA | | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 20,979,000 | 20,892,907 | - | - | 86,093 | - | - | 20,979,000 |
| FUND 1992 | T-BILL | 524209 | BONY | 94 RBC | | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.375 | 50,000,000 | 49,884,792 | - | - | 115,208 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 524210 | BONY | 94 RBC | | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.375 | 5,157,000 | 5,145,117 | - | - | 11,883 | - | - | 5,157,000 |
| FUND 1992 | T-BILL | 524588 | BONY | 94 DAIWA | | 4/11/2019 | 6/4/2019 | 4/11/2019 | Purchased | 2.355 | 2.363 | 50,000,000 | 49,823,375 | 176,625 | - | - | - | - | 49,823,375 |
| FUND 1992 | T-BILL | 524589 | BONY | 94 DAIWA | | 4/11/2019 | 6/4/2019 | 4/11/2019 | Purchased | 2.355 | 2.363 | 26,777,000 | 26,682,410 | 94,590 | - | - | - | - | 26,682,410 |
| FUND 1992 | T-BILL | 524876 | BONY | 94 MERIL | | 5/10/2019 | 6/4/2019 | 5/10/2019 | Purchased | 2.37 | 2.374 | 2,126,000 | 2,122,501 | 3,499 | - | - | - | - | 2,122,501 |
| FUND 1992 | T-BILL | 524588 | BONY | 94 DAIWA | | 4/11/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.355 | 2.363 | 50,000,000 | 49,823,375 | - | - | 176,625 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 524589 | BONY | 94 DAIWA | | 4/11/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.355 | 2.363 | 26,777,000 | 26,682,410 | - | - | 94,590 | - | - | 26,777,000 |
| FUND 1992 | T-BILL | 524876 | BONY | 94 MERIL | | 5/10/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.37 | 2.374 | 2,126,000 | 2,122,501 | - | - | 3,499 | - | - | 2,126,000 |
| FUND 1992 | T-BILL | 525205 | BONY | 94 DAIWA | | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 50,000,000 | 49,748,736 | 251,264 | - | - | - | - | 49,748,736 |
| FUND 1992 | T-BILL | 525206 | BONY | 94 DAIWA | | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 29,301,000 | 29,153,754 | 147,246 | - | - | - | - | 29,153,754 |
| FUND 1992 | T-BILL | 525205 | BONY | 94 DAIWA | | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 50,000,000 | 49,748,736 | - | - | 251,264 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 525206 | BONY | 94 DAIWA | | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 29,301,000 | 29,153,754 | - | - | 147,246 | - | - | 29,301,000 |
| FUND 1992 | T-BILL | 526088 | BONY | 94 MERIL | | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.936 | 50,000,000 | 49,855,250 | 144,750 | - | - | - | - | 49,855,250 |
| FUND 1992 | T-BILL | 526091 | BONY | 94 MERIL | | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.936 | 29,532,000 | 29,446,505 | 85,495 | - | - | - | - | 29,446,505 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 1992 | T-BILL | 526647 | BONY | 94 | DAIWA | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 50,000,000 | 49,876,250 | 123,750 | - | - | - | - | 49,876,250 |
| FUND 1992 | T-BILL | 526648 | BONY | 94 | DAIWA | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 27,949,000 | 27,879,826 | 69,174 | - | - | - | - | 27,879,826 |
| FUND 1992 | T-BILL | 526088 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.936 | 50,000,000 | 49,855,250 | - | - | 144,750 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 526091 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.936 | 29,532,000 | 29,446,505 | - | - | 85,495 | - | - | 29,532,000 |
| FUND 1992 | T-BILL | 526675 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 10/15/2019 | Purchased | 1.63 | 1.636 | 50,000,000 | 49,805,306 | 194,694 | - | - | - | - | 49,805,306 |
| FUND 1992 | T-BILL | 526676 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 10/15/2019 | Purchased | 1.63 | 1.636 | 29,843,000 | 29,726,795 | 116,205 | - | - | - | - | 29,726,795 |
| FUND 1992 | T-BILL | 526647 | BONY | 94 | DAIWA | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 50,000,000 | 49,876,250 | - | - | 123,750 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 526648 | BONY | 94 | DAIWA | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 27,949,000 | 27,879,826 | - | - | 69,174 | - | - | 27,949,000 |
| FUND 1992 | T-BILL | 527192 | BONY | 94 | CANT | 12/3/2019 | 12/5/2019 | 12/3/2019 | Purchased | 1.39 | 1.39 | 50,000,000 | 49,996,139 | 3,861 | - | - | - | - | 49,996,139 |
| FUND 1992 | T-BILL | 527193 | BONY | 94 | CANT | 12/3/2019 | 12/5/2019 | 12/3/2019 | Purchased | 1.39 | 1.39 | 27,955,000 | 27,952,841 | 2,159 | - | - | - | - | 27,952,841 |
| FUND 1992 | T-BILL | 527192 | BONY | 94 | CANT | 12/3/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.39 | 1.39 | 50,000,000 | 49,996,139 | - | - | 3,861 | - | - | 50,000,000 |
| FUND 1992 | T-BILL | 527193 | BONY | 94 | CANT | 12/3/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.39 | 1.39 | 27,955,000 | 27,952,841 | - | - | 2,159 | - | - | 27,955,000 |
| FUND 1992 | T-BILL | 527258 | BONY | 94 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 50,000,000 | 49,920,000 | 80,000 | - | - | - | - | 49,920,000 |
| FUND 1992 | T-BILL | 527259 | BONY | 94 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 28,080,000 | 28,035,072 | 44,928 | - | - | - | - | 28,035,072 |
| FUND 1992 | T-BILL | 526676 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/13/2019 | Partial Sale | 1.63 | 1.636 | 2,272,000 | 2,263,153 | 8,847 | - | 6,069 | - | 187 | 2,269,410 |
| FUND 1992 | T-BILL | 527481 | BONY | 94 | DAIWA | 12/18/2019 | 1/14/2020 | 12/18/2019 | Purchased | 1.5 | 1.502 | 10,000 | 9,989 | 11 | - | - | - | - | 9,989 |
| FUND 1992 | T-BILL | 527406 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/26/2019 | Partial Sale | 1.63 | 1.636 | 24,000 | 23,907 | 93 | - | 78 | - | 1 | 23,986 |
| FUND 1992 Total | | | | | | | | | | | | 1,264,295,000 | 1,260,616,456 | 1,961,541 | - | 1,723,186 | - | 189 | 1,262,339,829 |
| FUND 1993 | T-BILL | 522929 | BONY | 94 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.225 | 2.234 | 31,000 | 30,879 | - | - | 121 | - | - | 31,000 |
| FUND 1993 | T-BILL | 523575 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 31,000 | 30,887 | 113 | - | - | - | - | 30,887 |
| FUND 1993 | T-BILL | 523575 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 31,000 | 30,887 | - | - | 113 | - | - | 31,000 |
| FUND 1993 | T-BILL | 524211 | BONY | 94 | RBC | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.376 | 31,000 | 30,929 | 71 | - | - | - | - | 30,929 |
| FUND 1993 | T-BILL | 524211 | BONY | 94 | RBC | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.376 | 31,000 | 30,929 | - | - | 71 | - | - | 31,000 |
| FUND 1993 | T-BILL | 524590 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 4/11/2019 | Purchased | 2.355 | 2.363 | 31,000 | 30,890 | 110 | - | - | - | - | 30,890 |
| FUND 1993 | T-BILL | 524590 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.355 | 2.363 | 31,000 | 30,890 | - | - | 110 | - | - | 31,000 |
| FUND 1993 | T-BILL | 525207 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 31,000 | 30,844 | 156 | - | - | - | - | 30,844 |
| FUND 1993 | T-BILL | 525207 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 31,000 | 30,844 | - | - | 156 | - | - | 31,000 |
| FUND 1993 | T-BILL | 526090 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.935 | 31,000 | 30,910 | 90 | - | - | - | - | 30,910 |
| FUND 1993 | T-BILL | 526090 | BONY | 94 | CANT | 8/22/2019 | 10/15/2019 | 9/19/2019 | Partial Sale | 1.93 | 1.935 | 4,000 | 3,988 | 12 | - | 6 | - | 0 | 3,994 |
| FUND 1993 | T-BILL | 526412 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.935 | 27,000 | 26,922 | - | - | 78 | - | - | 27,000 |
| FUND 1993 | T-BILL | 526677 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 10/15/2019 | Purchased | 1.63 | 1.636 | 27,000 | 26,895 | 105 | - | - | - | - | 26,895 |
| FUND 1993 Total | | | | | | | | | | | | 368,000 | 366,696 | 656 | - | 654 | - | 0 | 367,350 |
| FUND 1994 | T-BILL | 523411 | BONY | 94 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.225 | 2.234 | 19,377,000 | 19,301,534 | - | - | 75,466 | - | - | 19,377,000 |
| FUND 1994 | T-BILL | 523576 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 19,447,000 | 19,376,364 | 70,636 | - | - | - | - | 19,376,364 |
| FUND 1994 | T-BILL | 523271 | BONY | 94 | DAIWA | 12/13/2018 | 2/7/2019 | 1/29/2019 | Partial Sale | 2.321 | 2.329 | 306,000 | 304,895 | 1,105 | - | 927 | - | 1 | 305,824 |
| FUND 1994 | T-BILL | 523776 | BONY | 94 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.321 | 2.329 | 13,887,000 | 13,836,873 | - | - | 50,127 | - | - | 13,887,000 |
| FUND 1994 | T-BILL | 523901 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 13,944,000 | 13,886,777 | 57,223 | - | - | - | - | 13,886,777 |
| FUND 1994 | T-BILL | 523576 | BONY | 94 | RBC | 1/10/2019 | 3/7/2019 | 2/21/2019 | Partial Sale | 2.335 | 2.344 | 7,000 | 6,975 | 25 | - | 19 | - | 0 | 6,994 |
| FUND 1994 | T-BILL | 523901 | BONY | 94 | RBC | 2/7/2019 | 4/11/2019 | 2/27/2019 | Partial Sale | 2.345 | 2.355 | 12,000 | 11,951 | 49 | - | 16 | - | 1 | 11,966 |
| FUND 1994 | T-BILL | 524083 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 19,440,000 | 19,369,390 | - | - | 70,610 | - | - | 19,440,000 |
| FUND 1994 | T-BILL | 524212 | BONY | 94 | RBC | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.375 | 19,485,000 | 19,440,103 | 44,897 | - | - | - | - | 19,440,103 |
| FUND 1994 | T-BILL | 524212 | BONY | 94 | MERIL | 3/7/2019 | 4/11/2019 | 3/14/2019 | Partial Sale | 2.37 | 2.375 | 5,000 | 4,988 | 12 | - | 2 | - | 0 | 4,991 |
| FUND 1994 | T-BILL | 524303 | BONY | 94 | MERIL | 3/7/2019 | 4/11/2019 | 4/4/2019 | Partial Sale | 2.37 | 2.375 | 11,000 | 10,975 | 25 | - | 20 | - | 0 | 10,995 |
| FUND 1994 | T-BILL | 524517 | BONY | 94 | RBC | 3/7/2019 | 4/11/2019 | 4/10/2019 | Partial Sale | 2.37 | 2.375 | 25,000 | 24,942 | 58 | - | 56 | - | 0 | 24,998 |
| FUND 1994 | T-BILL | 524133 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 13,932,000 | 13,874,827 | - | - | 57,173 | - | - | 13,932,000 |
| FUND 1994 | T-BILL | 524573 | BONY | 94 | RBC | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.375 | 19,444,000 | 19,399,198 | - | - | 44,802 | - | - | 19,444,000 |
| FUND 1994 | T-BILL | 524591 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 4/11/2019 | Purchased | 2.355 | 2.363 | 33,494,000 | 33,375,682 | 118,318 | - | - | - | - | 33,375,682 |
| FUND 1994 | T-BILL | 524591 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.355 | 2.363 | 33,494,000 | 33,375,682 | - | - | 118,318 | - | - | 33,494,000 |
| FUND 1994 | T-BILL | 525208 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 33,663,000 | 33,493,834 | 169,166 | - | - | - | - | 33,493,834 |
| FUND 1994 | T-BILL | 525208 | BONY | 94 | CANT | 6/4/2019 | 8/22/2019 | 7/18/2019 | Partial Sale | 2.29 | 2.302 | 9,000 | 8,955 | 45 | - | 25 | - | 2 | 8,982 |
| FUND 1994 | T-BILL | 525692 | BONY | 94 | RBC | 6/4/2019 | 8/22/2019 | 8/8/2019 | Partial Sale | 2.29 | 2.302 | 10,000 | 9,950 | 50 | - | 41 | - | 1 | 9,992 |
| FUND 1994 | T-BILL | 525902 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 8/20/2019 | Partial Sale | 2.29 | 2.302 | 4,000 | 3,980 | 20 | - | 20 | - | 0 | 4,000 |
| FUND 1994 | T-BILL | 526070 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 33,640,000 | 33,470,950 | - | - | 169,050 | - | - | 33,640,000 |
| FUND 1994 | T-BILL | 526089 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.936 | 33,738,000 | 33,640,328 | 97,672 | - | - | - | - | 33,640,328 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|--------------------|--------------------|----------------|---------------------|----------------|--------------|---------------|--------------------|
| FUND 1994 | T-BILL | 526089 | BONY | 94 | CANT | 8/22/2019 | 10/15/2019 | 9/19/2019 | Partial Sale | 1.93 | 1.936 | 311,000 | 310,100 | 900 | - | 467 | - | 2 | 310,564 |
| FUND 1994 | T-BILL | 526413 | BONY | 94 | BOFAB | 8/22/2019 | 10/15/2019 | 10/10/2019 | Partial Sale | 1.93 | 1.936 | 4,000 | 3,988 | 12 | - | 10 | - | 0 | 3,999 |
| FUND 1994 | T-BILL | 526652 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.936 | 33,423,000 | 33,326,240 | - | - | 96,760 | - | - | 33,423,000 |
| FUND 1994 | T-BILL | 526678 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 10/15/2019 | Purchased | 1.63 | 1.636 | 33,553,000 | 33,422,348 | 130,652 | - | - | - | - | 33,422,348 |
| FUND 1994 | T-BILL | 526678 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 10/24/2019 | Partial Sale | 1.63 | 1.636 | 137,000 | 136,467 | 533 | - | 56 | - | - | 136,522 |
| FUND 1994 | T-BILL | 526808 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 11/19/2019 | Partial Sale | 1.63 | 1.636 | 32,000 | 31,875 | 125 | - | 51 | - | 5 | 31,931 |
| FUND 1994 | T-BILL | 527065 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/12/2019 | Partial Sale | 1.63 | 1.636 | 1,000 | 996 | 4 | - | 3 | - | 0 | 999 |
| FUND 1994 | T-BILL | 527387 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 12/17/2019 | Partial Sale | 1.63 | 1.636 | 68,000 | 67,735 | 265 | - | 194 | - | 5 | 67,934 |
| FUND 1994 | T-BILL | 527463 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/30/2019 | Partial Sale | 1.63 | 1.636 | 88,000 | 87,657 | 343 | - | 303 | - | 3 | 87,963 |
| FUND 1994 Total | | | | | | | | | | | | 374,991,000 | 373,616,560 | 692,132 | - | 684,517 | - | 20 | 374,301,092 |
| FUND 1996 | T-BILL | 523272 | BONY | 94 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.321 | 2.329 | 7,930,000 | 7,901,375 | - | - | 28,625 | - | - | 7,930,000 |
| FUND 1996 | T-BILL | 523902 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 7,963,000 | 7,930,322 | 32,678 | - | - | - | - | 7,930,322 |
| FUND 1996 | T-BILL | 523902 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 7,963,000 | 7,930,322 | - | - | 32,678 | - | - | 7,963,000 |
| FUND 1996 | T-BILL | 524592 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 4/11/2019 | Purchased | 2.355 | 2.363 | 7,991,000 | 7,962,772 | 28,228 | - | - | - | - | 7,962,772 |
| FUND 1996 | T-BILL | 524592 | BONY | 94 | DAIWA | 4/11/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.355 | 2.363 | 7,991,000 | 7,962,772 | - | - | 28,228 | - | - | 7,991,000 |
| FUND 1996 | T-BILL | 525209 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 8,021,000 | 7,980,692 | 40,308 | - | - | - | - | 7,980,692 |
| FUND 1996 | T-BILL | 525209 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 6/11/2019 | Partial Sale | 2.29 | 2.302 | 5,000 | 4,975 | 25 | - | 2 | - | 1 | 4,978 |
| FUND 1996 | T-BILL | 525287 | BONY | 94 | RBC | 6/4/2019 | 8/22/2019 | 7/11/2019 | Partial Sale | 2.29 | 2.302 | 3,000 | 2,985 | 15 | - | 7 | - | 1 | 2,993 |
| FUND 1996 | T-BILL | 525606 | BONY | 94 | RBC | 6/4/2019 | 8/22/2019 | 7/25/2019 | Partial Sale | 2.29 | 2.302 | 21,000 | 20,894 | 106 | - | 68 | - | 5 | 20,967 |
| FUND 1996 | T-BILL | 525769 | BONY | 94 | RBC | 6/4/2019 | 8/22/2019 | 8/8/2019 | Partial Sale | 2.29 | 2.302 | 2,000 | 1,990 | 10 | - | 8 | - | 0 | 1,998 |
| FUND 1996 | T-BILL | 525903 | BONY | 94 | BOFAB | 6/4/2019 | 8/22/2019 | 8/12/2019 | Partial Sale | 2.29 | 2.302 | 10,000 | 9,950 | 50 | - | 44 | - | 1 | 9,994 |
| FUND 1996 | T-BILL | 525944 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 8/20/2019 | Partial Sale | 2.29 | 2.302 | 11,000 | 10,945 | 55 | - | 54 | - | 0 | 10,999 |
| FUND 1996 | T-BILL | 526071 | BONY | 94 | DAIWA | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 7,969,000 | 7,928,954 | - | - | 40,046 | - | - | 7,969,000 |
| FUND 1996 | T-BILL | 526094 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.936 | 7,991,000 | 7,967,866 | 23,134 | - | - | - | - | 7,967,866 |
| FUND 1996 | T-BILL | 526094 | BONY | 94 | BOFAB | 8/22/2019 | 10/15/2019 | 9/5/2019 | Partial Sale | 1.93 | 1.936 | 25,000 | 24,928 | 72 | - | 19 | - | 1 | 24,946 |
| FUND 1996 | T-BILL | 526223 | BONY | 94 | BOFAB | 8/22/2019 | 10/15/2019 | 9/13/2019 | Partial Sale | 1.93 | 1.936 | 14,000 | 13,959 | 41 | - | 17 | - | 0 | 13,976 |
| FUND 1996 | T-BILL | 526344 | BONY | 94 | CANT | 8/22/2019 | 10/15/2019 | 9/19/2019 | Partial Sale | 1.93 | 1.936 | 21,000 | 20,939 | 61 | - | 32 | - | 0 | 20,971 |
| FUND 1996 | T-BILL | 526414 | BONY | 94 | DAIWA | 8/22/2019 | 10/15/2019 | 9/30/2019 | Partial Sale | 1.93 | 1.936 | 9,000 | 8,974 | 26 | - | 19 | - | 0 | 8,993 |
| FUND 1996 | T-BILL | 526514 | BONY | 94 | BOFAB | 8/22/2019 | 10/15/2019 | 10/10/2019 | Partial Sale | 1.93 | 1.936 | 7,000 | 6,980 | 20 | - | 18 | - | 0 | 6,998 |
| FUND 1996 | T-BILL | 526653 | BONY | 94 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.936 | 7,915,000 | 7,892,086 | - | - | 22,914 | - | - | 7,915,000 |
| FUND 1996 | T-BILL | 526679 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 10/15/2019 | Purchased | 1.63 | 1.636 | 7,946,000 | 7,915,059 | 30,941 | - | - | - | - | 7,915,059 |
| FUND 1996 | T-BILL | 526679 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 10/31/2019 | Partial Sale | 1.63 | 1.636 | 22,000 | 21,914 | 86 | - | 16 | - | 3 | 21,933 |
| FUND 1996 | T-BILL | 526855 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 11/7/2019 | Partial Sale | 1.63 | 1.636 | 10,000 | 9,961 | 39 | - | 10 | - | 2 | 9,974 |
| FUND 1996 | T-BILL | 526939 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 11/14/2019 | Partial Sale | 1.63 | 1.636 | 23,000 | 22,910 | 90 | - | 31 | - | 4 | 22,946 |
| FUND 1996 | T-BILL | 527008 | BONY | 94 | DAIWA | 10/15/2019 | 1/9/2020 | 11/26/2019 | Partial Sale | 1.63 | 1.636 | 14,000 | 13,945 | 55 | - | 27 | - | 1 | 13,973 |
| FUND 1996 | T-BILL | 527144 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/12/2019 | Partial Sale | 1.63 | 1.636 | 17,000 | 16,934 | 66 | - | 45 | - | 2 | 16,980 |
| FUND 1996 | T-BILL | 527386 | BONY | 94 | BOFAB | 10/15/2019 | 1/9/2020 | 12/30/2019 | Partial Sale | 1.63 | 1.636 | 11,000 | 10,957 | 43 | - | 38 | - | 0 | 10,995 |
| FUND 1996 Total | | | | | | | | | | | | 79,905,000 | 79,596,361 | 156,148 | - | 152,945 | - | 21 | 79,749,326 |
| FUND 1997 | T-BILL | 523536 | BONY | 94 | RBC | 1/8/2019 | 2/7/2019 | 1/8/2019 | Purchased | 2.343 | 2.347 | 18,096,000 | 18,060,675 | 35,325 | - | - | - | - | 18,060,675 |
| FUND 1997 | T-BILL | 522931 | BONY | 94 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 50,000,000 | 49,805,269 | - | - | 194,731 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 522932 | BONY | 94 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 1,180,000 | 1,175,404 | - | - | 4,596 | - | - | 1,180,000 |
| FUND 1997 | T-BILL | 523577 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 50,000,000 | 49,818,389 | 181,611 | - | - | - | - | 49,818,389 |
| FUND 1997 | T-BILL | 523578 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.344 | 1,366,000 | 1,361,038 | 4,962 | - | - | - | - | 1,361,038 |
| FUND 1997 | T-BILL | 523144 | BONY | 94 | RBC | 11/29/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.25 | 2.257 | 3,715,000 | 3,703,623 | - | - | 11,377 | - | - | 3,715,000 |
| FUND 1997 | T-BILL | 523150 | BONY | 94 | RBC | 11/30/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.246 | 2.252 | 9,115,000 | 9,087,710 | - | - | 27,290 | - | - | 9,115,000 |
| FUND 1997 | T-BILL | 523656 | BONY | 94 | RBC | 1/17/2019 | 4/11/2019 | 1/17/2019 | Purchased | 2.355 | 2.368 | 12,901,000 | 12,830,109 | 70,891 | - | - | - | - | 12,830,109 |
| FUND 1997 | T-BILL | 523741 | BONY | 94 | RBC | 1/25/2019 | 3/7/2019 | 1/25/2019 | Purchased | 2.305 | 2.311 | 9,542,000 | 9,516,951 | 25,049 | - | - | - | - | 9,516,951 |
| FUND 1997 | T-BILL | 523751 | BONY | 94 | BOFAB | 1/28/2019 | 3/7/2019 | 1/28/2019 | Purchased | 2.305 | 2.311 | 9,139,000 | 9,116,764 | 22,236 | - | - | - | - | 9,116,764 |
| FUND 1997 | T-BILL | 523273 | BONY | 94 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.32 | 2.329 | 50,000,000 | 49,819,517 | - | - | 180,483 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 523274 | BONY | 94 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.32 | 2.329 | 8,694,000 | 8,662,618 | - | - | 31,382 | - | - | 8,694,000 |
| FUND 1997 | T-BILL | 523536 | BONY | 94 | RBC | 1/8/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.343 | 2.347 | 18,096,000 | 18,060,675 | - | - | 35,325 | - | - | 18,096,000 |
| FUND 1997 | T-BILL | 523903 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 50,000,000 | 49,794,813 | 205,188 | - | - | - | - | 49,794,813 |
| FUND 1997 | T-BILL | 523904 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 27,106,000 | 26,994,764 | 111,236 | - | - | - | - | 26,994,764 |
| FUND 1997 | T-BILL | 524108 | BONY | 94 | DAIWA | 2/26/2019 | 5/9/2019 | 2/26/2019 | Purchased | 2.375 | 2.386 | 9,328,000 | 9,283,692 | 44,308 | - | - | - | - | 9,283,692 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 1997 | T-BILL | 523577 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 50,000,000 | 49,818,389 | - | - | 181,611 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 523578 | BONY | 94 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.344 | 1,366,000 | 1,361,038 | - | - | 4,962 | - | - | 1,366,000 |
| FUND 1997 | T-BILL | 523741 | BONY | 94 | RBC | 1/25/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.305 | 2.311 | 9,542,000 | 9,516,951 | - | - | 25,049 | - | - | 9,542,000 |
| FUND 1997 | T-BILL | 523751 | BONY | 94 | BOFAB | 1/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.305 | 2.311 | 9,139,000 | 9,116,764 | - | - | 22,236 | - | - | 9,139,000 |
| FUND 1997 | T-BILL | 524217 | BONY | 94 | RBC | 3/7/2019 | 5/9/2019 | 3/7/2019 | Purchased | 2.383 | 2.392 | 50,000,000 | 49,791,531 | 208,469 | - | - | - | - | 49,791,531 |
| FUND 1997 | T-BILL | 524218 | BONY | 94 | RBC | 3/7/2019 | 5/9/2019 | 3/7/2019 | Purchased | 2.383 | 2.392 | 20,340,000 | 20,255,195 | 84,805 | - | - | - | - | 20,255,195 |
| FUND 1997 | T-BILL | 524461 | BONY | 94 | DAIWA | 3/29/2019 | 5/16/2019 | 3/29/2019 | Purchased | 2.34 | 2.347 | 14,370,000 | 14,325,166 | 44,834 | - | - | - | - | 14,325,166 |
| FUND 1997 | T-BILL | 523656 | BONY | 94 | RBC | 1/17/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.355 | 2.368 | 12,901,000 | 12,830,109 | - | - | 70,891 | - | - | 12,901,000 |
| FUND 1997 | T-BILL | 523903 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 50,000,000 | 49,794,813 | - | - | 205,188 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 523904 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 27,106,000 | 26,994,764 | - | - | 111,236 | - | - | 27,106,000 |
| FUND 1997 | T-BILL | 524593 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 50,000,000 | 49,700,838 | 299,163 | - | - | - | - | 49,700,838 |
| FUND 1997 | T-BILL | 524594 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 40,548,000 | 40,305,391 | 242,609 | - | - | - | - | 40,305,391 |
| FUND 1997 | FHLB NOTES | 524817 | BONY | 94 | RBC | 5/3/2019 | 7/22/2019 | 5/3/2019 | Purchased | 2.395 | 2.408 | 12,464,000 | 12,397,664 | 66,336 | - | - | - | - | 12,397,664 |
| FUND 1997 | T-BILL | 524108 | BONY | 94 | DAIWA | 2/26/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.375 | 2.386 | 9,328,000 | 9,283,692 | - | - | 44,308 | - | - | 9,328,000 |
| FUND 1997 | T-BILL | 524217 | BONY | 94 | RBC | 3/7/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.383 | 2.392 | 50,000,000 | 49,791,531 | - | - | 208,469 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 524218 | BONY | 94 | RBC | 3/7/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.383 | 2.392 | 20,340,000 | 20,255,195 | - | - | 84,805 | - | - | 20,340,000 |
| FUND 1997 | FHLB NOTES | 524859 | BONY | 94 | RBC | 5/9/2019 | 6/11/2019 | 5/9/2019 | Purchased | 2.385 | 2.39 | 50,000,000 | 49,890,688 | 109,313 | - | - | - | - | 49,890,688 |
| FUND 1997 | FHLB NOTES | 524860 | BONY | 94 | RBC | 5/9/2019 | 6/11/2019 | 5/9/2019 | Purchased | 2.385 | 2.39 | 29,843,000 | 29,777,756 | 65,244 | - | - | - | - | 29,777,756 |
| FUND 1997 | T-BILL | 524461 | BONY | 94 | DAIWA | 3/29/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.34 | 2.347 | 14,370,000 | 14,325,166 | - | - | 44,834 | - | - | 14,370,000 |
| FUND 1997 | T-BILL | 524965 | BONY | 94 | DAIWA | 5/16/2019 | 7/18/2019 | 5/16/2019 | Purchased | 2.345 | 2.355 | 14,429,000 | 14,369,787 | 59,213 | - | - | - | - | 14,369,787 |
| FUND 1997 | T-BILL | 525165 | BONY | 94 | DAIWA | 5/31/2019 | 7/18/2019 | 5/31/2019 | Purchased | 2.25 | 2.257 | 10,913,000 | 10,880,261 | 32,739 | - | - | - | - | 10,880,261 |
| FUND 1997 | FHLB NOTES | 524859 | BONY | 94 | RBC | 5/9/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.385 | 2.39 | 50,000,000 | 49,890,688 | - | - | 109,313 | - | - | 50,000,000 |
| FUND 1997 | FHLB NOTES | 524860 | BONY | 94 | RBC | 5/9/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.385 | 2.39 | 29,843,000 | 29,777,756 | - | - | 65,244 | - | - | 29,843,000 |
| FUND 1997 | T-BILL | 525274 | BONY | 94 | DAIWA | 6/11/2019 | 8/6/2019 | 6/11/2019 | Purchased | 2.262 | 2.27 | 30,125,000 | 30,018,977 | 106,023 | - | - | - | - | 30,018,977 |
| FUND 1997 | T-BILL | 525275 | BONY | 94 | DAIWA | 6/11/2019 | 8/6/2019 | 6/11/2019 | Purchased | 2.262 | 2.27 | 50,000,000 | 49,824,028 | 175,972 | - | - | - | - | 49,824,028 |
| FUND 1997 | FHLB NOTES | 525463 | BONY | 94 | CANT | 6/27/2019 | 7/24/2019 | 6/27/2019 | Purchased | 2.13 | 2.133 | 10,975,000 | 10,957,467 | 17,533 | - | - | - | - | 10,957,467 |
| FUND 1997 | T-BILL | 525464 | BONY | 94 | CANT | 6/27/2019 | 8/29/2019 | 6/27/2019 | Purchased | 2.05 | 2.057 | 62,000 | 61,778 | 222 | - | - | - | - | 61,778 |
| FUND 1997 | T-BILL | 524593 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 50,000,000 | 49,700,838 | - | - | 299,163 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 524594 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 40,548,000 | 40,305,391 | - | - | 242,609 | - | - | 40,548,000 |
| FUND 1997 | FNMA NOTES | 525586 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 50,000,000 | 49,808,000 | 192,000 | - | - | - | - | 49,808,000 |
| FUND 1997 | FNMA NOTES | 525587 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 40,897,000 | 40,739,956 | 157,044 | - | - | - | - | 40,739,956 |
| FUND 1997 | T-BILL | 524965 | BONY | 94 | DAIWA | 5/16/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.345 | 2.355 | 14,429,000 | 14,369,787 | - | - | 59,213 | - | - | 14,429,000 |
| FUND 1997 | T-BILL | 525165 | BONY | 94 | DAIWA | 5/31/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.25 | 2.257 | 10,913,000 | 10,880,261 | - | - | 32,739 | - | - | 10,913,000 |
| FUND 1997 | T-BILL | 525679 | BONY | 94 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 25,421,000 | 25,341,877 | 79,123 | - | - | - | - | 25,341,877 |
| FUND 1997 | FHLB NOTES | 524817 | BONY | 94 | RBC | 5/3/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.395 | 2.408 | 12,464,000 | 12,397,664 | - | - | 66,336 | - | - | 12,464,000 |
| FUND 1997 | FHLB NOTES | 525713 | BONY | 94 | CANT | 7/22/2019 | 10/25/2019 | 7/22/2019 | Purchased | 2.09 | 2.102 | 12,533,000 | 12,463,877 | 69,123 | - | - | - | - | 12,463,877 |
| FUND 1997 | FHLB NOTES | 525463 | BONY | 94 | CANT | 6/27/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.13 | 2.133 | 10,975,000 | 10,957,467 | - | - | 17,533 | - | - | 10,975,000 |
| FUND 1997 | T-BILL | 525745 | BONY | 94 | DAIWA | 7/24/2019 | 10/3/2019 | 7/24/2019 | Purchased | 2 | 2.008 | 11,019,000 | 10,975,536 | 43,464 | - | - | - | - | 10,975,536 |
| FUND 1997 | T-BILL | 525784 | BONY | 94 | MERIL | 7/29/2019 | 9/19/2019 | 7/29/2019 | Purchased | 2.06 | 2.066 | 11,669,000 | 11,634,278 | 34,722 | - | - | - | - | 11,634,278 |
| FUND 1997 | T-BILL | 525274 | BONY | 94 | DAIWA | 6/11/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.262 | 2.27 | 30,125,000 | 30,018,977 | - | - | 106,023 | - | - | 30,125,000 |
| FUND 1997 | T-BILL | 525275 | BONY | 94 | DAIWA | 6/11/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.262 | 2.27 | 50,000,000 | 49,824,028 | - | - | 175,972 | - | - | 50,000,000 |
| FUND 1997 | FFCB DISC | 525847 | BONY | 94 | DAIWA | 8/6/2019 | 9/10/2019 | 8/6/2019 | Purchased | 2.02 | 2.024 | 20,000,000 | 19,960,722 | 39,278 | - | - | - | - | 19,960,722 |
| FUND 1997 | T-BILL | 525848 | BONY | 94 | DAIWA | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 50,000,000 | 49,842,111 | 157,889 | - | - | - | - | 49,842,111 |
| FUND 1997 | T-BILL | 525849 | BONY | 94 | DAIWA | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 10,355,000 | 10,322,301 | 32,699 | - | - | - | - | 10,322,301 |
| FUND 1997 | T-BILL | 526118 | BONY | 94 | DAIWA | 8/23/2019 | 10/15/2019 | 8/23/2019 | Purchased | 1.95 | 1.956 | 10,903,000 | 10,871,699 | 31,301 | - | - | - | - | 10,871,699 |
| FUND 1997 | T-BILL | 525464 | BONY | 94 | CANT | 6/27/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.05 | 2.057 | 62,000 | 61,778 | - | - | 222 | - | - | 62,000 |
| FUND 1997 | T-BILL | 526160 | BONY | 94 | CANT | 8/29/2019 | 10/15/2019 | 8/29/2019 | Purchased | 1.995 | 2 | 62,000 | 61,839 | 161 | - | - | - | - | 61,839 |
| FUND 1997 | T-BILL | 525679 | BONY | 94 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 25,421,000 | 25,341,877 | - | - | 79,123 | - | - | 25,421,000 |
| FUND 1997 | FFCB DISC | 525847 | BONY | 94 | DAIWA | 8/6/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.02 | 2.024 | 20,000,000 | 19,960,722 | - | - | 39,278 | - | - | 20,000,000 |
| FUND 1997 | T-BILL | 526294 | BONY | 94 | BOFAB | 9/10/2019 | 1/23/2020 | 9/10/2019 | Purchased | 1.821 | 1.834 | 45,734,000 | 45,421,694 | 312,306 | - | - | - | - | 45,421,694 |
| FUND 1997 | FNMA NOTES | 525586 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 50,000,000 | 49,808,000 | - | - | 192,000 | - | - | 50,000,000 |
| FUND 1997 | FNMA NOTES | 525587 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 40,897,000 | 40,739,956 | - | - | 157,044 | - | - | 40,897,000 |
| FUND 1997 | T-BILL | 526336 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 50,000,000 | 49,915,556 | 84,444 | - | - | - | - | 49,915,556 |
| FUND 1997 | T-BILL | 526337 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 41,050,000 | 40,980,671 | 69,329 | - | - | - | - | 40,980,671 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 1997 | T-BILL | 525784 | BONY | 94 | MERIL | 7/29/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.06 | 2.066 | 11,669,000 | 11,634,278 | - | - | 34,722 | - | - | 11,669,000 |
| FUND 1997 | T-BILL | 526405 | BONY | 94 | CANT | 9/19/2019 | 11/12/2019 | 9/19/2019 | Purchased | 1.852 | 1.858 | 11,702,000 | 11,669,483 | 32,517 | - | - | - | - | 11,669,483 |
| FUND 1997 | T-BILL | 526455 | BONY | 94 | BOFAB | 9/25/2019 | 1/23/2020 | 9/25/2019 | Purchased | 1.85 | 1.861 | 10,961,000 | 10,893,407 | 67,593 | - | - | - | - | 10,893,407 |
| FUND 1997 | T-BILL | 525848 | BONY | 94 | DAIWA | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 50,000,000 | 49,842,111 | - | - | 157,889 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 525849 | BONY | 94 | DAIWA | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 10,355,000 | 10,322,301 | - | - | 32,699 | - | - | 10,355,000 |
| FUND 1997 | COMM PAPER | 526521 | BONY | 94 | MERIL | 10/1/2019 | 12/5/2019 | 10/1/2019 | Purchased | 1.96 | 1.967 | 50,000,000 | 49,823,056 | 176,944 | - | - | - | - | 49,823,056 |
| FUND 1997 | COMM PAPER | 526522 | BONY | 94 | MERIL | 10/1/2019 | 12/5/2019 | 10/1/2019 | Purchased | 1.96 | 1.967 | 10,569,000 | 10,531,597 | 37,403 | - | - | - | - | 10,531,597 |
| FUND 1997 | T-BILL | 525745 | BONY | 94 | DAIWA | 7/24/2019 | 10/3/2019 | 10/3/2019 | Matured | 2 | 2.008 | 11,019,000 | 10,975,536 | - | - | 43,464 | - | - | 11,019,000 |
| FUND 1997 | T-BILL | 526565 | BONY | 94 | BOFAB | 10/3/2019 | 11/12/2019 | 10/3/2019 | Purchased | 1.667 | 1.67 | 11,040,000 | 11,019,551 | 20,449 | - | - | - | - | 11,019,551 |
| FUND 1997 | T-BILL | 526118 | BONY | 94 | DAIWA | 8/23/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.95 | 1.956 | 10,903,000 | 10,871,699 | - | - | 31,301 | - | - | 10,903,000 |
| FUND 1997 | T-BILL | 526160 | BONY | 94 | CANT | 8/29/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.995 | 2 | 62,000 | 61,839 | - | - | 161 | - | - | 62,000 |
| FUND 1997 | T-BILL | 526336 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 50,000,000 | 49,915,556 | - | - | 84,444 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 526337 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 41,050,000 | 40,980,671 | - | - | 69,329 | - | - | 41,050,000 |
| FUND 1997 | T-BILL | 526680 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 50,000,000 | 49,869,722 | 130,278 | - | - | - | - | 49,869,722 |
| FUND 1997 | T-BILL | 526681 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 50,000,000 | 49,869,722 | 130,278 | - | - | - | - | 49,869,722 |
| FUND 1997 | T-BILL | 526682 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 2,281,000 | 2,275,057 | 5,943 | - | - | - | - | 2,275,057 |
| FUND 1997 | FHLB NOTES | 525713 | BONY | 94 | CANT | 7/22/2019 | 10/25/2019 | 10/25/2019 | Matured | 2.09 | 2.102 | 12,533,000 | 12,463,877 | - | - | 69,123 | - | - | 12,533,000 |
| FUND 1997 | T-BILL | 526819 | BONY | 94 | BOFAB | 10/25/2019 | 1/9/2020 | 10/25/2019 | Purchased | 1.62 | 1.626 | 12,576,000 | 12,532,990 | 43,010 | - | - | - | - | 12,532,990 |
| FUND 1997 | T-BILL | 526901 | BONY | 94 | DAIWA | 11/5/2019 | 1/9/2020 | 11/5/2019 | Purchased | 1.495 | 1.499 | 10,941,000 | 10,911,467 | 29,533 | - | - | - | - | 10,911,467 |
| FUND 1997 | T-BILL | 526405 | BONY | 94 | CANT | 9/19/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.852 | 1.858 | 11,702,000 | 11,669,483 | - | - | 32,517 | - | - | 11,702,000 |
| FUND 1997 | T-BILL | 526565 | BONY | 94 | BOFAB | 10/3/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.667 | 1.67 | 11,040,000 | 11,019,551 | - | - | 20,449 | - | - | 11,040,000 |
| FUND 1997 | T-BILL | 526959 | BONY | 94 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 22,796,000 | 22,741,923 | 54,077 | - | - | - | - | 22,741,923 |
| FUND 1997 | T-BILL | 527194 | BONY | 94 | DAIWA | 12/3/2019 | 3/12/2020 | 12/3/2019 | Purchased | 1.52 | 1.526 | 11,003,000 | 10,956,543 | 46,457 | - | - | - | - | 10,956,543 |
| FUND 1997 | COMM PAPER | 526521 | BONY | 94 | MERIL | 10/1/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.96 | 1.967 | 50,000,000 | 49,823,056 | - | - | 176,944 | - | - | 50,000,000 |
| FUND 1997 | COMM PAPER | 526522 | BONY | 94 | MERIL | 10/1/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.96 | 1.967 | 10,569,000 | 10,531,597 | - | - | 37,403 | - | - | 10,569,000 |
| FUND 1997 | FFCB DISC | 527260 | BONY | 94 | DAIWA | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.54 | 1.543 | 45,000,000 | 44,923,000 | 77,000 | - | - | - | - | 44,923,000 |
| FUND 1997 | T-BILL | 527261 | BONY | 94 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 15,671,000 | 15,645,926 | 25,074 | - | - | - | - | 15,645,926 |
| FUND 1997 | T-BILL | 526680 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 50,000,000 | 49,869,722 | - | - | 130,278 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 526681 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 50,000,000 | 49,869,722 | - | - | 130,278 | - | - | 50,000,000 |
| FUND 1997 | T-BILL | 526682 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 2,281,000 | 2,275,057 | - | - | 5,943 | - | - | 2,281,000 |
| FUND 1997 | T-BILL | 527313 | BONY | 94 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,925,229 | 74,771 | - | - | - | - | 49,925,229 |
| FUND 1997 | T-BILL | 527314 | BONY | 94 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,925,229 | 74,771 | - | - | - | - | 49,925,229 |
| FUND 1997 | T-BILL | 527315 | BONY | 94 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 2,434,000 | 2,430,360 | 3,640 | - | - | - | - | 2,430,360 |
| FUND 1997 Total | | | | | | | | | | | | 2,581,916,000 | 2,573,182,572 | 4,545,900 | - | 4,187,528 | - | - | 2,577,370,100 |
| FUND 1998 | T-BILL | 522933 | BONY | 115 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.225 | 2.234 | 11,000 | 10,957 | - | - | 43 | - | - | 11,000 |
| FUND 1998 | T-BILL | 523581 | BONY | 115 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.343 | 11,000 | 10,960 | 40 | - | - | - | - | 10,960 |
| FUND 1998 | T-BILL | 523581 | BONY | 115 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.343 | 11,000 | 10,960 | - | - | 40 | - | - | 11,000 |
| FUND 1998 | T-BILL | 524213 | BONY | 115 | RBC | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.376 | 11,000 | 10,975 | 25 | - | - | - | - | 10,975 |
| FUND 1998 | T-BILL | 524213 | BONY | 115 | RBC | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.376 | 11,000 | 10,975 | - | - | 25 | - | - | 11,000 |
| FUND 1998 | T-BILL | 524595 | BONY | 115 | DAIWA | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 11,000 | 10,934 | 66 | - | - | - | - | 10,934 |
| FUND 1998 | T-BILL | 524595 | BONY | 115 | DAIWA | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 11,000 | 10,934 | - | - | 66 | - | - | 11,000 |
| FUND 1998 | FNMA NOTES | 525588 | BONY | 115 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 11,000 | 10,958 | 42 | - | - | - | - | 10,958 |
| FUND 1998 | FNMA NOTES | 525588 | BONY | 115 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 11,000 | 10,958 | - | - | 42 | - | - | 11,000 |
| FUND 1998 | T-BILL | 526338 | BONY | 115 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 11,000 | 10,981 | 19 | - | - | - | - | 10,981 |
| FUND 1998 | T-BILL | 526338 | BONY | 115 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 11,000 | 10,981 | - | - | 19 | - | - | 11,000 |
| FUND 1998 | T-BILL | 526688 | BONY | 115 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 11,000 | 10,971 | 29 | - | - | - | - | 10,971 |
| FUND 1998 | T-BILL | 526688 | BONY | 115 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 11,000 | 10,971 | - | - | 29 | - | - | 11,000 |
| FUND 1998 | T-BILL | 527327 | BONY | 115 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 11,000 | 10,984 | 16 | - | - | - | - | 10,984 |
| FUND 1998 Total | | | | | | | | | | | | 154,000 | 153,500 | 237 | - | 263 | - | - | 153,763 |
| FUND 1999 | T-BILL | 523275 | BONY | 94 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.321 | 2.329 | 6,164,000 | 6,141,750 | - | - | 22,250 | - | - | 6,164,000 |
| FUND 1999 | T-BILL | 523905 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 6,190,000 | 6,164,598 | 25,402 | - | - | - | - | 6,164,598 |
| FUND 1999 | T-BILL | 523905 | BONY | 94 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 6,190,000 | 6,164,598 | - | - | 25,402 | - | - | 6,190,000 |
| FUND 1999 | T-BILL | 524596 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 6,227,000 | 6,189,742 | 37,258 | - | - | - | - | 6,189,742 |
| FUND 1999 | T-BILL | 524596 | BONY | 94 | DAIWA | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 6,227,000 | 6,189,742 | - | - | 37,258 | - | - | 6,227,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------------|-------------------|----------------|---------------------|----------------|--------------|---------------|-------------------|
| FUND 1999 | FNMA NOTES | 525589 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 6,251,000 | 6,226,996 | 24,004 | - | - | - | - | 6,226,996 |
| FUND 1999 | FNMA NOTES | 525589 | BONY | 94 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 6,251,000 | 6,226,996 | - | - | 24,004 | - | - | 6,251,000 |
| FUND 1999 | T-BILL | 526339 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 6,262,000 | 6,251,424 | 10,576 | - | - | - | - | 6,251,424 |
| FUND 1999 | T-BILL | 526339 | BONY | 94 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 6,262,000 | 6,251,424 | - | - | 10,576 | - | - | 6,262,000 |
| FUND 1999 | T-BILL | 526683 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 6,278,000 | 6,261,642 | 16,358 | - | - | - | - | 6,261,642 |
| FUND 1999 | T-BILL | 526683 | BONY | 94 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 6,278,000 | 6,261,642 | - | - | 16,358 | - | - | 6,278,000 |
| FUND 1999 | T-BILL | 527316 | BONY | 94 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 6,287,000 | 6,277,598 | 9,402 | - | - | - | - | 6,277,598 |
| FUND 1999 Total | | | | | | | | | | | | 74,867,000 | 74,608,154 | 122,999 | - | 135,847 | - | - | 74,744,001 |
| FUND 2600 | T-BILL | 522934 | BONY | 85 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 2,000 | 1,992 | - | - | 8 | - | - | 2,000 |
| FUND 2600 | T-BILL | 523579 | BONY | 85 | DAIWA | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.334 | 2.342 | 2,000 | 1,993 | 7 | - | - | - | - | 1,993 |
| FUND 2600 | FHLB NOTES | 523819 | BONY | 85 | RBC | 2/1/2019 | 2/6/2019 | 2/1/2019 | Purchased | 2.3 | 2.301 | 4,602,000 | 4,600,530 | 1,470 | - | - | - | - | 4,600,530 |
| FUND 2600 | FHLB NOTES | 523819 | BONY | 85 | RBC | 2/1/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.3 | 2.301 | 4,602,000 | 4,600,530 | - | - | 1,470 | - | - | 4,602,000 |
| FUND 2600 | T-NOTE-MID | 523875 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523876 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523877 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523878 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523879 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523880 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523881 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523882 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-NOTE-MID | 523883 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 49,629,000 | 49,800,190 | 171,190 | 177,006 | - | - | - | 49,800,190 |
| FUND 2600 | T-NOTE-MID | 523884 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2600 | T-BILL | 523276 | BONY | 85 | RBC | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.32 | 2.329 | 528,000 | 526,094 | - | - | 1,906 | - | - | 528,000 |
| FUND 2600 | T-BILL | 523906 | BONY | 85 | DAIWA | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 530,000 | 527,825 | 2,175 | - | - | - | - | 527,825 |
| FUND 2600 | T-NOTE-MID | 523919 | BONY | 85 | DAIWA | 2/7/2019 | 2/15/2019 | 2/7/2019 | Purchased | 0.75 | 1.83 | 3,637,000 | 3,649,193 | 12,193 | 13,046 | - | - | - | 3,649,193 |
| FUND 2600 | T-NOTE-MID | 523875 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523876 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523877 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523878 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523879 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523880 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523881 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523882 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523883 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,816 | - | - | - | 5,816 | - | - |
| FUND 2600 | T-NOTE-MID | 523884 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2600 | T-NOTE-MID | 523919 | BONY | 85 | - | 2/7/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.83 | - | 852 | - | - | - | 852 | - | - |
| FUND 2600 | T-NOTE-MID | 523875 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523876 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523877 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523878 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523879 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523880 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523881 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523882 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523883 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 49,629,000 | 49,806,006 | - | 177,006 | 9,103 | - | - | 49,815,109 |
| FUND 2600 | T-NOTE-MID | 523884 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2600 | T-NOTE-MID | 523919 | BONY | 85 | DAIWA | 2/7/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.83 | 3,637,000 | 3,650,046 | - | 13,046 | 593 | - | - | 3,650,639 |
| FUND 2600 | T-BILL | 524031 | BONY | 85 | BOFAB | 2/15/2019 | 4/11/2019 | 2/15/2019 | Purchased | 2.365 | 2.374 | 5,172,000 | 5,153,313 | 18,687 | - | - | - | - | 5,153,313 |
| FUND 2600 | T-BILL | 523579 | BONY | 85 | DAIWA | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.334 | 2.342 | 2,000 | 1,993 | - | - | 7 | - | - | 2,000 |
| FUND 2600 | T-BILL | 524214 | BONY | 85 | RBC | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.371 | 2.376 | 2,000 | 1,995 | 5 | - | - | - | - | 1,995 |
| FUND 2600 | T-BILL | 524031 | BONY | 85 | RBC | 2/15/2019 | 4/11/2019 | 3/8/2019 | Partial Sale | 2.365 | 2.374 | 5,011,000 | 4,992,894 | 18,106 | - | 6,913 | - | 76 | 4,999,732 |
| FUND 2600 | T-BILL | 524379 | BONY | 85 | RBC | 3/20/2019 | 3/28/2019 | 3/20/2019 | Purchased | 2.28 | 2.281 | 500,000 | 499,747 | 253 | - | - | - | - | 499,747 |
| FUND 2600 | T-BILL | 524379 | BONY | 85 | RBC | 3/20/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.28 | 2.281 | 500,000 | 499,747 | - | - | 253 | - | - | 500,000 |
| FUND 2600 | T-BILL | 523906 | BONY | 85 | DAIWA | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 530,000 | 527,825 | - | - | 2,175 | - | - | 530,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|----------------|----------------|---------------|----------------------|
| FUND 2600 | T-BILL | 524214 | BONY | 85 RBC | | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.371 | 2.376 | 2,000 | 1,995 | - | - | 5 | - | - | 2,000 |
| FUND 2600 | T-BILL | 524246 | BONY | 85 BOFAB | | 2/15/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.365 | 2.374 | 161,000 | 160,418 | - | - | 582 | - | - | 161,000 |
| FUND 2600 | T-BILL | 524597 | BONY | 85 DAIWA | | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 697,000 | 692,830 | 4,170 | - | - | - | - | 692,830 |
| FUND 2600 | T-NOTE-MID | 524868 | BONY | 85 DAIWA | | 5/9/2019 | 5/15/2019 | 5/9/2019 | Purchased | 0.875 | 0.873 | 1,793,000 | 1,800,584 | 7,584 | 7,584 | - | - | - | 1,800,584 |
| FUND 2600 | T-NOTE-MID | 524868 | BONY | 85 DAIWA | | 5/9/2019 | 5/15/2019 | 5/14/2019 | Final Sale | 0.875 | 0.873 | 1,793,000 | 1,800,584 | 7,584 | 7,584 | 217 | - | 70 | 1,800,731 |
| FUND 2600 | T-BILL | 525280 | BONY | 85 DAIWA | | 6/11/2019 | 7/25/2019 | 6/11/2019 | Purchased | 2.217 | 2.223 | 1,000 | 997 | 3 | - | - | - | - | 997 |
| FUND 2600 | T-BILL | 524597 | BONY | 85 DAIWA | | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 697,000 | 692,830 | - | - | 4,170 | - | - | 697,000 |
| FUND 2600 | FNMA NOTES | 525590 | BONY | 85 DAIWA | | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 699,000 | 696,316 | 2,684 | - | - | - | - | 696,316 |
| FUND 2600 | T-BILL | 525280 | BONY | 85 DAIWA | | 6/11/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.217 | 2.223 | 1,000 | 997 | - | - | 3 | - | - | 1,000 |
| FUND 2600 | T-BILL | 525754 | BONY | 85 BOFAB | | 7/25/2019 | 9/10/2019 | 7/25/2019 | Purchased | 2.068 | 2.074 | 1,000 | 997 | 3 | - | - | - | - | 997 |
| FUND 2600 | FHLB NOTES | 525901 | BONY | 85 DAIWA | | 8/8/2019 | 8/14/2019 | 8/8/2019 | Purchased | 1.95 | 1.951 | 4,302,000 | 4,300,602 | 1,398 | - | - | - | - | 4,300,602 |
| FUND 2600 | FHLB NOTES | 525901 | BONY | 85 DAIWA | | 8/8/2019 | 8/14/2019 | 8/14/2019 | Matured | 1.95 | 1.951 | 4,302,000 | 4,300,602 | - | - | 1,398 | - | - | 4,302,000 |
| FUND 2600 | T-BILL | 525981 | BONY | 85 BOFAB | | 8/14/2019 | 9/3/2019 | 8/14/2019 | Purchased | 1.899 | 1.901 | 2,000 | 1,998 | 2 | - | - | - | - | 1,998 |
| FUND 2600 | T-BILL | 525981 | BONY | 85 BOFAB | | 8/14/2019 | 9/3/2019 | 9/3/2019 | Matured | 1.899 | 1.901 | 2,000 | 1,998 | - | - | 2 | - | - | 2,000 |
| FUND 2600 | T-BILL | 526179 | BONY | 85 BOFAB | | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.35 | 1.35 | 2,000 | 2,000 | 0 | - | - | - | - | 2,000 |
| FUND 2600 | T-BILL | 526179 | BONY | 85 BOFAB | | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.35 | 1.35 | 2,000 | 2,000 | - | - | 0 | - | - | 2,000 |
| FUND 2600 | T-BILL | 526213 | BONY | 85 CANT | | 9/5/2019 | 10/17/2019 | 9/5/2019 | Purchased | 1.95 | 1.954 | 2,000 | 1,995 | 5 | - | - | - | - | 1,995 |
| FUND 2600 | T-BILL | 525754 | BONY | 85 BOFAB | | 7/25/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.068 | 2.074 | 1,000 | 997 | - | - | 3 | - | - | 1,000 |
| FUND 2600 | T-BILL | 526295 | BONY | 85 BOFAB | | 9/10/2019 | 1/23/2020 | 9/10/2019 | Purchased | 1.821 | 1.834 | 1,000 | 993 | 7 | - | - | - | - | 993 |
| FUND 2600 | FNMA NOTES | 525590 | BONY | 85 DAIWA | | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 699,000 | 696,316 | - | - | 2,684 | - | - | 699,000 |
| FUND 2600 | T-BILL | 526340 | BONY | 85 BOFAB | | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 700,000 | 698,818 | 1,182 | - | - | - | - | 698,818 |
| FUND 2600 | T-BILL | 526340 | BONY | 85 BOFAB | | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 700,000 | 698,818 | - | - | 1,182 | - | - | 700,000 |
| FUND 2600 | T-BILL | 526684 | BONY | 85 DAIWA | | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 702,000 | 700,171 | 1,829 | - | - | - | - | 700,171 |
| FUND 2600 | T-BILL | 526213 | BONY | 85 CANT | | 9/5/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.95 | 1.954 | 2,000 | 1,995 | - | - | 5 | - | - | 2,000 |
| FUND 2600 | T-BILL | 526723 | BONY | 85 DAIWA | | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 2,000 | 1,995 | 5 | - | - | - | - | 1,995 |
| FUND 2600 | T-BILL | 526854 | BONY | 85 BOFAB | | 10/31/2019 | 11/7/2019 | 10/31/2019 | Purchased | 1.32 | 1.32 | 2,400,000 | 2,399,384 | 616 | - | - | - | - | 2,399,384 |
| FUND 2600 | T-BILL | 526854 | BONY | 85 BOFAB | | 10/31/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.32 | 1.32 | 2,400,000 | 2,399,384 | - | - | 616 | - | - | 2,400,000 |
| FUND 2600 | T-NOTE-MID | 526922 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 50,000,000 | 50,832,456 | 832,456 | 807,065 | - | - | - | 50,832,456 |
| FUND 2600 | T-NOTE-MID | 526923 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 50,000,000 | 50,832,456 | 832,456 | 807,065 | - | - | - | 50,832,456 |
| FUND 2600 | T-NOTE-MID | 526924 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 50,000,000 | 50,832,456 | 832,456 | 807,065 | - | - | - | 50,832,456 |
| FUND 2600 | T-NOTE-MID | 526925 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 50,000,000 | 50,832,456 | 832,456 | 807,065 | - | - | - | 50,832,456 |
| FUND 2600 | T-NOTE-MID | 526926 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 50,000,000 | 50,832,456 | 832,456 | 807,065 | - | - | - | 50,832,456 |
| FUND 2600 | T-NOTE-MID | 526927 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/7/2019 | Purchased | 3.375 | 1.025 | 7,872,000 | 8,003,062 | 131,062 | 127,064 | - | - | - | 8,003,062 |
| FUND 2600 | T-NOTE-MID | 526922 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2600 | T-NOTE-MID | 526923 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2600 | T-NOTE-MID | 526924 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2600 | T-NOTE-MID | 526925 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2600 | T-NOTE-MID | 526926 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2600 | T-NOTE-MID | 526927 | BONY | 85 - | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.025 | - | 3,998 | - | - | - | 3,998 | - | - |
| FUND 2600 | T-NOTE-MID | 526922 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 50,000,000 | 50,807,065 | - | 807,065 | 36,685 | - | - | 50,843,750 |
| FUND 2600 | T-NOTE-MID | 526923 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 50,000,000 | 50,807,065 | - | 807,065 | 36,685 | - | - | 50,843,750 |
| FUND 2600 | T-NOTE-MID | 526924 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 50,000,000 | 50,807,065 | - | 807,065 | 36,685 | - | - | 50,843,750 |
| FUND 2600 | T-NOTE-MID | 526925 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 50,000,000 | 50,807,065 | - | 807,065 | 36,685 | - | - | 50,843,750 |
| FUND 2600 | T-NOTE-MID | 526926 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 50,000,000 | 50,807,065 | - | 807,065 | 36,685 | - | - | 50,843,750 |
| FUND 2600 | T-NOTE-MID | 526927 | BONY | 85 DAIWA | | 11/7/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.025 | 7,872,000 | 7,999,064 | - | 127,064 | 5,776 | - | - | 8,004,840 |
| FUND 2600 | T-BILL | 527267 | BONY | 85 DAIWA | | 12/5/2019 | 12/10/2019 | 12/5/2019 | Purchased | 1.48 | 1.48 | 54,000 | 53,989 | 11 | - | - | - | - | 53,989 |
| FUND 2600 | T-BILL | 526684 | BONY | 85 DAIWA | | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 702,000 | 700,171 | - | - | 1,829 | - | - | 702,000 |
| FUND 2600 | T-BILL | 526723 | BONY | 85 DAIWA | | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 2,000 | 1,995 | - | - | 5 | - | - | 2,000 |
| FUND 2600 | T-BILL | 527267 | BONY | 85 DAIWA | | 12/5/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.48 | 1.48 | 54,000 | 53,989 | - | - | 11 | - | - | 54,000 |
| FUND 2600 | T-BILL | 527317 | BONY | 85 BOFAB | | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 759,000 | 757,865 | 1,135 | - | - | - | - | 757,865 |
| FUND 2600 Total | | | | | | | | | | | | 1,567,896,000 | 1,580,015,805 | 6,097,871 | 11,929,971 | 306,880 | 190,353 | 146 | 1,580,132,186 |
| FUND 2601 | T-BILL | 523482 | BONY | 86 RBC | | 12/13/2018 | 2/7/2019 | 1/9/2019 | Partial Sale | 2.321 | 2.329 | 7,000 | 6,975 | 25 | - | 12 | - | 0 | 6,987 |
| FUND 2601 | T-BILL | 523412 | BONY | 86 RBC | | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 10,000 | 9,964 | - | - | 39 | - | - | 10,000 |
| FUND 2601 | T-BILL | 523580 | BONY | 86 DAIWA | | 1/10/2019 | 3/7/2019 | 1/10/2019 | Purchased | 2.335 | 2.343 | 10,000 | 9,964 | 36 | - | - | - | - | 9,964 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-----------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2601 | T-BILL | 523568 | BONY | 86 RBC | | 12/13/2018 | 2/7/2019 | 1/17/2019 | Partial Sale | 2.321 | 2.329 | 61,000 | 60,780 | 220 | - | 138 | - | 1 | 60,917 |
| FUND 2601 | T-BILL | 523675 | BONY | 86 DAIWA | | 12/13/2018 | 2/7/2019 | 1/29/2019 | Partial Sale | 2.321 | 2.329 | 7,000 | 6,975 | 25 | - | 21 | - | 0 | 6,996 |
| FUND 2601 | T-BILL | 523874 | BONY | 86 MERIL | | 2/6/2019 | 4/18/2019 | 2/6/2019 | Purchased | 2.345 | 2.356 | 591,000 | 588,267 | 2,733 | - | - | - | - | 588,267 |
| FUND 2601 | T-NOTE-MID | 523886 | BONY | 86 DAIWA | | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 735,000 | 737,535 | 2,535 | 2,621 | - | - | - | 737,535 |
| FUND 2601 | T-BILL | 523777 | BONY | 86 RBC | | 12/13/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.321 | 2.329 | 1,112,000 | 1,107,986 | - | - | 4,014 | - | - | 1,112,000 |
| FUND 2601 | T-BILL | 523907 | BONY | 86 DAIWA | | 2/7/2019 | 4/11/2019 | 2/7/2019 | Purchased | 2.345 | 2.355 | 1,117,000 | 1,112,416 | 4,584 | - | - | - | - | 1,112,416 |
| FUND 2601 | T-NOTE-MID | 523886 | BONY | 86 - | | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 86 | - | - | - | 86 | - | - |
| FUND 2601 | T-NOTE-MID | 523886 | BONY | 86 DAIWA | | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 735,000 | 737,621 | - | 2,621 | 135 | - | - | 737,756 |
| FUND 2601 | T-BILL | 524032 | BONY | 86 BOFAB | | 2/15/2019 | 4/11/2019 | 2/15/2019 | Purchased | 2.365 | 2.374 | 740,000 | 737,326 | 2,674 | - | - | - | - | 737,326 |
| FUND 2601 | T-BILL | 523907 | BONY | 86 RBC | | 2/7/2019 | 4/11/2019 | 2/27/2019 | Partial Sale | 2.345 | 2.355 | 61,000 | 60,750 | 250 | - | 79 | - | 3 | 60,826 |
| FUND 2601 | T-BILL | 524032 | BONY | 86 MERIL | | 2/15/2019 | 4/11/2019 | 3/4/2019 | Partial Sale | 2.365 | 2.374 | 35,000 | 34,874 | 126 | - | 39 | - | 1 | 34,912 |
| FUND 2601 | T-BILL | 523580 | BONY | 86 DAIWA | | 1/10/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.343 | 10,000 | 9,964 | - | - | 36 | - | - | 10,000 |
| FUND 2601 | T-BILL | 524215 | BONY | 86 RBC | | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.375 | 10,000 | 9,977 | 23 | - | - | - | - | 9,977 |
| FUND 2601 | T-BILL | 524179 | BONY | 86 BOFAB | | 2/15/2019 | 4/11/2019 | 3/21/2019 | Partial Sale | 2.365 | 2.374 | 144,000 | 143,480 | 520 | - | 322 | - | 4 | 143,797 |
| FUND 2601 | T-BILL | 524392 | BONY | 86 BOFAB | | 2/15/2019 | 4/11/2019 | 3/28/2019 | Partial Sale | 2.365 | 2.374 | 65,000 | 64,765 | 235 | - | 175 | - | - | 64,940 |
| FUND 2601 | T-BILL | 524454 | BONY | 86 MERIL | | 2/15/2019 | 4/11/2019 | 4/4/2019 | Partial Sale | 2.365 | 2.374 | 23,000 | 22,917 | 83 | - | 72 | - | 0 | 22,990 |
| FUND 2601 | T-BILL | 524518 | BONY | 86 RBC | | 2/15/2019 | 4/11/2019 | 4/10/2019 | Partial Sale | 2.365 | 2.374 | 124,000 | 123,552 | 448 | - | 440 | - | 0 | 123,992 |
| FUND 2601 | T-BILL | 524134 | BONY | 86 DAIWA | | 2/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.345 | 2.355 | 1,056,000 | 1,051,666 | - | - | 4,334 | - | - | 1,056,000 |
| FUND 2601 | T-BILL | 524215 | BONY | 86 RBC | | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.375 | 10,000 | 9,977 | - | - | 23 | - | - | 10,000 |
| FUND 2601 | T-BILL | 524574 | BONY | 86 BOFAB | | 2/15/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.365 | 2.374 | 349,000 | 347,739 | - | - | 1,261 | - | - | 349,000 |
| FUND 2601 | T-BILL | 524598 | BONY | 86 DAIWA | | 4/11/2019 | 7/11/2019 | 4/11/2019 | Purchased | 2.367 | 2.381 | 1,424,000 | 1,415,480 | 8,520 | - | - | - | - | 1,415,480 |
| FUND 2601 | T-BILL | 523874 | BONY | 86 MERIL | | 2/6/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.345 | 2.356 | 591,000 | 588,267 | - | - | 2,733 | - | - | 591,000 |
| FUND 2601 | T-BILL | 524675 | BONY | 86 MERIL | | 4/18/2019 | 5/21/2019 | 4/18/2019 | Purchased | 2.3 | 2.305 | 501,000 | 499,944 | 1,056 | - | - | - | - | 499,944 |
| FUND 2601 | T-BILL | 524682 | BONY | 86 MERIL | | 4/18/2019 | 5/21/2019 | 4/18/2019 | Purchased | 2.3 | 2.305 | 91,000 | 90,808 | 192 | - | - | - | - | 90,808 |
| FUND 2601 | T-BILL | 524905 | BONY | 86 WELLB | | 5/14/2019 | 8/8/2019 | 5/14/2019 | Purchased | 2.345 | 2.358 | 662,000 | 658,292 | 3,708 | - | - | - | - | 658,292 |
| FUND 2601 | T-BILL | 524675 | BONY | 86 DAIWA | | 4/18/2019 | 5/21/2019 | 5/16/2019 | Partial Sale | 2.3 | 2.305 | 282,000 | 281,405 | 595 | - | 504 | - | 1 | 281,909 |
| FUND 2601 | T-BILL | 524971 | BONY | 86 RBC | | 4/18/2019 | 5/21/2019 | 5/20/2019 | Partial Sale | 2.3 | 2.305 | 201,000 | 200,576 | 424 | - | 411 | - | 0 | 200,987 |
| FUND 2601 | T-BILL | 524682 | BONY | 86 MERIL | | 4/18/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.3 | 2.305 | 91,000 | 90,808 | - | - | 192 | - | - | 91,000 |
| FUND 2601 | T-BILL | 524997 | BONY | 86 MERIL | | 4/18/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.3 | 2.305 | 18,000 | 17,962 | - | - | 38 | - | - | 18,000 |
| FUND 2601 | T-BILL | 525019 | BONY | 86 DAIWA | | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 109,000 | 108,903 | 97 | - | - | - | - | 108,903 |
| FUND 2601 | T-BILL | 525056 | BONY | 86 DAIWA | | 5/22/2019 | 6/25/2019 | 5/22/2019 | Purchased | 2.27 | 2.275 | 89,000 | 88,809 | 191 | - | - | - | - | 88,809 |
| FUND 2601 | T-BILL | 525066 | BONY | 86 MIZUH | | 5/22/2019 | 8/8/2019 | 5/22/2019 | Purchased | 2.306 | 2.318 | 479,000 | 476,607 | 2,393 | - | - | - | - | 476,607 |
| FUND 2601 | T-BILL | 525019 | BONY | 86 BOFAB | | 5/21/2019 | 6/4/2019 | 5/24/2019 | Partial Sale | 2.28 | 2.282 | 77,000 | 76,932 | 68 | - | 15 | - | 1 | 76,947 |
| FUND 2601 | T-BILL | 525056 | BONY | 86 DAIWA | | 5/22/2019 | 6/25/2019 | 6/3/2019 | Final Sale | 2.27 | 2.275 | 89,000 | 88,809 | 191 | - | 67 | - | 2 | 88,875 |
| FUND 2601 | T-BILL | 525099 | BONY | 86 DAIWA | | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 32,000 | 31,972 | - | - | 28 | - | - | 32,000 |
| FUND 2601 | T-BILL | 525210 | BONY | 86 DAIWA | | 6/4/2019 | 8/22/2019 | 6/4/2019 | Purchased | 2.29 | 2.302 | 32,000 | 31,839 | 161 | - | - | - | - | 31,839 |
| FUND 2601 | T-BILL | 525066 | BONY | 86 DAIWA | | 5/22/2019 | 8/8/2019 | 6/25/2019 | Partial Sale | 2.306 | 2.318 | 64,000 | 63,680 | 320 | - | 139 | - | 17 | 63,837 |
| FUND 2601 | T-BILL | 525047 | BONY | 86 CANT | | 2/20/2019 | 8/8/2019 | 6/27/2019 | Partial Sale | 1.064 | 1.07 | 34,000 | 33,830 | 170 | - | 128 | - | 39 | 33,919 |
| FUND 2601 | T-BILL | 524598 | BONY | 86 CANT | | 4/11/2019 | 7/11/2019 | 7/2/2019 | Partial Sale | 2.367 | 2.381 | 41,000 | 40,755 | 245 | - | 221 | - | 2 | 40,978 |
| FUND 2601 | T-BILL | 525444 | BONY | 86 BOFAB | | 5/22/2019 | 8/8/2019 | 7/5/2019 | Partial Sale | 2.306 | 2.318 | 45,000 | 44,775 | 225 | - | 127 | - | 7 | 44,909 |
| FUND 2601 | T-BILL | 525515 | BONY | 86 DAIWA | | 4/11/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.367 | 2.381 | 1,383,000 | 1,374,725 | - | - | 8,275 | - | - | 1,383,000 |
| FUND 2601 | FNMA NOTES | 525591 | BONY | 86 DAIWA | | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 1,198,000 | 1,193,400 | 4,600 | - | - | - | - | 1,193,400 |
| FUND 2601 | T-BILL | 525617 | BONY | 86 CANT | | 7/12/2019 | 8/22/2019 | 7/12/2019 | Purchased | 2.09 | 2.095 | 447,000 | 445,936 | 1,064 | - | - | - | - | 445,936 |
| FUND 2601 | T-BILL | 525534 | BONY | 86 RBC | | 5/22/2019 | 8/8/2019 | 7/16/2019 | Partial Sale | 2.306 | 2.318 | 18,000 | 17,910 | 90 | - | 63 | - | 4 | 17,977 |
| FUND 2601 | T-BILL | 524905 | BONY | 86 BOFAB | | 5/14/2019 | 8/8/2019 | 7/30/2019 | Partial Sale | 2.345 | 2.358 | 104,000 | 103,417 | 583 | - | 522 | - | 9 | 103,948 |
| FUND 2601 | T-BILL | 525801 | BONY | 86 WELLB | | 5/14/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.345 | 2.358 | 558,000 | 554,874 | - | - | 3,126 | - | - | 558,000 |
| FUND 2601 | T-BILL | 525920 | BONY | 86 MIZUH | | 5/22/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.306 | 2.318 | 318,000 | 316,411 | - | - | 1,589 | - | - | 318,000 |
| FUND 2601 | FHLB NOTES | 525889 | BONY | 86 RBC | | 8/8/2019 | 10/10/2019 | 8/8/2019 | Purchased | 2 | 2.007 | 782,000 | 779,263 | 2,737 | - | - | - | - | 779,263 |
| FUND 2601 | T-BILL | 525617 | BONY | 86 BOFAB | | 7/12/2019 | 8/22/2019 | 8/12/2019 | Partial Sale | 2.09 | 2.095 | 132,000 | 131,686 | 314 | - | 238 | - | 4 | 131,927 |
| FUND 2601 | FHLB NOTES | 525982 | BONY | 86 BOFAB | | 8/14/2019 | 10/9/2019 | 8/14/2019 | Purchased | 2.03 | 2.036 | 583,000 | 581,159 | 1,841 | - | - | - | - | 581,159 |
| FUND 2601 | T-BILL | 525210 | BONY | 86 DAIWA | | 6/4/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.29 | 2.302 | 32,000 | 31,839 | - | - | 161 | - | - | 32,000 |
| FUND 2601 | T-BILL | 525945 | BONY | 86 CANT | | 7/12/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.09 | 2.095 | 315,000 | 314,250 | - | - | 750 | - | - | 315,000 |
| FUND 2601 | T-BILL | 526093 | BONY | 86 MERIL | | 8/22/2019 | 10/15/2019 | 8/22/2019 | Purchased | 1.93 | 1.936 | 348,000 | 346,993 | 1,007 | - | - | - | - | 346,993 |
| FUND 2601 | T-BILL | 526093 | BONY | 86 BOFAB | | 8/22/2019 | 10/15/2019 | 9/5/2019 | Partial Sale | 1.93 | 1.936 | 337,000 | 336,024 | 976 | - | 253 | - | 7 | 336,270 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------------|-------------------|---------------|---------------------|---------------|--------------|---------------|-------------------|
| FUND 2601 | T-BILL | 526233 | BONY | 86 | CANT | 9/6/2019 | 9/26/2019 | 9/6/2019 | Purchased | 1.91 | 1.912 | 479,000 | 478,492 | 508 | - | - | - | - | 478,492 |
| FUND 2601 | FNMA NOTES | 525591 | BONY | 86 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 1,198,000 | 1,193,400 | - | - | 4,600 | - | - | 1,198,000 |
| FUND 2601 | T-BILL | 526341 | BONY | 86 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 1,200,000 | 1,197,973 | 2,027 | - | - | - | - | 1,197,973 |
| FUND 2601 | T-BILL | 526233 | BONY | 86 | CANT | 9/6/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.91 | 1.912 | 479,000 | 478,492 | - | - | 508 | - | - | 479,000 |
| FUND 2601 | T-BILL | 526482 | BONY | 86 | CANT | 9/26/2019 | 10/10/2019 | 9/26/2019 | Purchased | 1.6 | 1.601 | 480,000 | 479,701 | 299 | - | - | - | - | 479,701 |
| FUND 2601 | T-BILL | 526341 | BONY | 86 | DAIWA | 9/13/2019 | 10/15/2019 | 10/3/2019 | Partial Sale | 1.9 | 1.903 | 60,000 | 59,899 | 101 | - | 63 | - | 3 | 59,965 |
| FUND 2601 | FHLB NOTES | 525982 | BONY | 86 | BOFAB | 8/14/2019 | 10/9/2019 | 10/9/2019 | Matured | 2.03 | 2.036 | 583,000 | 581,159 | - | - | 1,841 | - | - | 583,000 |
| FUND 2601 | T-BILL | 526620 | BONY | 86 | BOFAB | 10/9/2019 | 11/12/2019 | 10/9/2019 | Purchased | 1.645 | 1.648 | 584,000 | 583,093 | 907 | - | - | - | - | 583,093 |
| FUND 2601 | FHLB NOTES | 525889 | BONY | 86 | RBC | 8/8/2019 | 10/10/2019 | 10/10/2019 | Matured | 2 | 2.007 | 782,000 | 779,263 | - | - | 2,737 | - | - | 782,000 |
| FUND 2601 | T-BILL | 526482 | BONY | 86 | CANT | 9/26/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.6 | 1.601 | 480,000 | 479,701 | - | - | 299 | - | - | 480,000 |
| FUND 2601 | T-BILL | 526625 | BONY | 86 | DAIWA | 10/10/2019 | 10/22/2019 | 10/10/2019 | Purchased | 1.67 | 1.671 | 1,246,000 | 1,245,306 | 694 | - | - | - | - | 1,245,306 |
| FUND 2601 | T-BILL | 526224 | BONY | 86 | MERIL | 8/22/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.93 | 1.936 | 11,000 | 10,968 | - | - | 32 | - | - | 11,000 |
| FUND 2601 | T-BILL | 526574 | BONY | 86 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 1,140,000 | 1,138,075 | - | - | 1,925 | - | - | 1,140,000 |
| FUND 2601 | T-BILL | 526685 | BONY | 86 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 1,124,000 | 1,121,071 | 2,929 | - | - | - | - | 1,121,071 |
| FUND 2601 | T-BILL | 526719 | BONY | 86 | DAIWA | 10/16/2019 | 1/16/2020 | 10/16/2019 | Purchased | 1.62 | 1.627 | 440,000 | 438,178 | 1,822 | - | - | - | - | 438,178 |
| FUND 2601 | T-BILL | 526625 | BONY | 86 | DAIWA | 10/10/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.67 | 1.671 | 1,246,000 | 1,245,306 | - | - | 694 | - | - | 1,246,000 |
| FUND 2601 | T-BILL | 526779 | BONY | 86 | BOFAB | 10/22/2019 | 11/19/2019 | 10/22/2019 | Purchased | 1.715 | 1.718 | 1,247,000 | 1,245,336 | 1,664 | - | - | - | - | 1,245,336 |
| FUND 2601 | T-BILL | 526685 | BONY | 86 | BOFAB | 10/15/2019 | 12/10/2019 | 10/24/2019 | Partial Sale | 1.675 | 1.679 | 301,000 | 300,216 | 784 | - | 126 | - | 14 | 300,356 |
| FUND 2601 | T-BILL | 526809 | BONY | 86 | BOFAB | 10/15/2019 | 12/10/2019 | 10/31/2019 | Partial Sale | 1.675 | 1.679 | 151,000 | 150,607 | 393 | - | 112 | - | 17 | 150,736 |
| FUND 2601 | T-BILL | 526928 | BONY | 86 | DAIWA | 11/7/2019 | 12/10/2019 | 11/7/2019 | Purchased | 1.505 | 1.507 | 1,257,000 | 1,255,266 | 1,734 | - | - | - | - | 1,255,266 |
| FUND 2601 | T-BILL | 526620 | BONY | 86 | BOFAB | 10/9/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.645 | 1.648 | 584,000 | 583,093 | - | - | 907 | - | - | 584,000 |
| FUND 2601 | T-BILL | 526957 | BONY | 86 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 585,000 | 583,612 | 1,388 | - | - | - | - | 583,612 |
| FUND 2601 | T-BILL | 526779 | BONY | 86 | BOFAB | 10/22/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.715 | 1.718 | 1,247,000 | 1,245,336 | - | - | 1,664 | - | - | 1,247,000 |
| FUND 2601 | T-BILL | 527059 | BONY | 86 | DAIWA | 11/19/2019 | 12/17/2019 | 11/19/2019 | Purchased | 1.545 | 1.547 | 1,249,000 | 1,247,499 | 1,501 | - | - | - | - | 1,247,499 |
| FUND 2601 | T-BILL | 526719 | BONY | 86 | MERIL | 10/16/2019 | 1/16/2020 | 11/27/2019 | Partial Sale | 1.62 | 1.627 | 180,000 | 179,255 | 745 | - | 340 | - | 18 | 179,613 |
| FUND 2601 | T-BILL | 527268 | BONY | 86 | DAIWA | 12/5/2019 | 12/10/2019 | 12/5/2019 | Purchased | 1.476 | 1.476 | 4,000 | 3,999 | 1 | - | - | - | - | 3,999 |
| FUND 2601 | T-BILL | 526857 | BONY | 86 | DAIWA | 10/15/2019 | 12/10/2019 | 12/9/2019 | Final Sale | 1.675 | 1.679 | 672,000 | 670,249 | 1,751 | - | 1,720 | - | 4 | 671,973 |
| FUND 2601 | T-BILL | 526928 | BONY | 86 | DAIWA | 11/7/2019 | 12/10/2019 | 12/9/2019 | Partial Sale | 1.505 | 1.507 | 739,000 | 737,980 | 1,020 | - | 989 | - | 1 | 738,970 |
| FUND 2601 | T-BILL | 527268 | BONY | 86 | DAIWA | 12/5/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.476 | 1.476 | 4,000 | 3,999 | - | - | 1 | - | - | 4,000 |
| FUND 2601 | T-BILL | 527307 | BONY | 86 | DAIWA | 11/7/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.505 | 1.507 | 518,000 | 517,285 | - | - | 715 | - | - | 518,000 |
| FUND 2601 | T-BILL | 527318 | BONY | 86 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 523,000 | 522,218 | 782 | - | - | - | - | 522,218 |
| FUND 2601 | T-BILL | 527342 | BONY | 86 | DAIWA | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.49 | 1.49 | 404,000 | 403,883 | 117 | - | - | - | - | 403,883 |
| FUND 2601 | T-BILL | 527059 | BONY | 86 | BOFAB | 11/19/2019 | 12/17/2019 | 12/12/2019 | Partial Sale | 1.545 | 1.547 | 90,000 | 89,892 | 108 | - | 89 | - | 1 | 89,982 |
| FUND 2601 | T-BILL | 527342 | BONY | 86 | DAIWA | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.49 | 1.49 | 404,000 | 403,883 | - | - | 117 | - | - | 404,000 |
| FUND 2601 | T-BILL | 527385 | BONY | 86 | DAIWA | 11/19/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.547 | 1,159,000 | 1,157,607 | - | - | 1,393 | - | - | 1,159,000 |
| FUND 2601 | T-BILL | 527440 | BONY | 86 | DAIWA | 12/17/2019 | 1/7/2020 | 12/17/2019 | Purchased | 1.52 | 1.521 | 1,536,000 | 1,534,638 | 1,362 | - | - | - | - | 1,534,638 |
| FUND 2601 | T-BILL | 526957 | BONY | 86 | CANT | 11/12/2019 | 1/7/2020 | 12/26/2019 | Partial Sale | 1.525 | 1.529 | 176,000 | 175,582 | 418 | - | 328 | - | 1 | 175,912 |
| FUND 2601 | T-BILL | 527440 | BONY | 86 | BOFAB | 12/17/2019 | 1/7/2020 | 12/30/2019 | Partial Sale | 1.52 | 1.521 | 361,000 | 360,680 | 320 | - | 198 | - | 1 | 360,879 |
| FUND 2601 Total | | | | | | | | | | | | 43,442,000 | 43,336,087 | 69,661 | 5,243 | 52,117 | 86 | 160 | 43,388,162 |
| FUND 2602 | T-BILL | 523108 | BONY | 87 | RBC | 11/27/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.211 | 2.215 | 27,611,000 | 27,549,966 | - | - | 61,034 | - | - | 27,611,000 |
| FUND 2602 | T-BILL | 523157 | BONY | 87 | DAIWA | 11/30/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.215 | 2.22 | 28,309,000 | 28,251,521 | - | - | 57,479 | - | - | 28,309,000 |
| FUND 2602 | T-BILL | 523331 | BONY | 87 | DAIWA | 12/3/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.23 | 2.234 | 10,622,000 | 10,602,261 | - | - | 19,739 | - | - | 10,622,000 |
| FUND 2602 | T-BILL | 523490 | BONY | 87 | DAIWA | 11/30/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.215 | 2.22 | 3,142,000 | 3,135,620 | - | - | 6,380 | - | - | 3,142,000 |
| FUND 2602 | FHLB NOTES | 523498 | BONY | 87 | DAIWA | 1/2/2019 | 2/1/2019 | 1/2/2019 | Purchased | 2.405 | 2.41 | 14,996,000 | 14,965,946 | 30,054 | - | - | - | - | 14,965,946 |
| FUND 2602 | T-BILL | 523499 | BONY | 87 | DAIWA | 1/2/2019 | 1/22/2019 | 1/2/2019 | Purchased | 2.28 | 2.283 | 49,504,000 | 49,441,295 | 62,705 | - | - | - | - | 49,441,295 |
| FUND 2602 | T-BILL | 523499 | BONY | 87 | RBC | 1/2/2019 | 1/22/2019 | 1/17/2019 | Partial Sale | 2.28 | 2.283 | 11,000 | 10,986 | 14 | - | 10 | - | 0 | 10,996 |
| FUND 2602 | T-BILL | 523674 | BONY | 87 | DAIWA | 1/2/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.28 | 2.283 | 49,493,000 | 49,430,309 | - | - | 62,691 | - | - | 49,493,000 |
| FUND 2602 | T-BILL | 523705 | BONY | 87 | DAIWA | 1/22/2019 | 2/12/2019 | 1/22/2019 | Purchased | 2.31 | 2.313 | 49,559,000 | 49,492,219 | 66,781 | - | - | - | - | 49,492,219 |
| FUND 2602 | T-NOTE-MID | 523762 | BONY | 87 | BOFAB | 1/29/2019 | 5/15/2019 | 1/29/2019 | Purchased | 0.875 | 2.422 | 50,000,000 | 49,866,033 | 133,967 | 90,642 | - | - | - | 49,866,033 |
| FUND 2602 | T-NOTE-MID | 523763 | BONY | 87 | BOFAB | 1/29/2019 | 5/15/2019 | 1/29/2019 | Purchased | 0.875 | 2.422 | 50,000,000 | 49,866,033 | 133,967 | 90,642 | - | - | - | 49,866,033 |
| FUND 2602 | T-NOTE-MID | 523764 | BONY | 87 | BOFAB | 1/29/2019 | 5/15/2019 | 1/29/2019 | Purchased | 0.875 | 2.422 | 36,575,000 | 36,477,003 | 97,997 | 66,305 | - | - | - | 36,477,003 |
| FUND 2602 | T-NOTE-MID | 523770 | BONY | 87 | DAIWA | 1/29/2019 | 5/15/2019 | 1/29/2019 | Purchased | 0.875 | 2.395 | 724,000 | 722,117 | 1,883 | 1,313 | - | - | - | 722,117 |
| FUND 2602 | T-BILL | 523705 | BONY | 87 | RBC | 1/22/2019 | 2/12/2019 | 1/31/2019 | Partial Sale | 2.31 | 2.313 | 12,000 | 11,984 | 16 | - | 7 | - | 0 | 11,991 |
| FUND 2602 | FHLB NOTES | 523498 | BONY | 87 | DAIWA | 1/2/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.405 | 2.41 | 14,996,000 | 14,965,946 | - | - | 30,054 | - | - | 14,996,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2602 | T-BILL | 523810 | BONY | 87 | BOFAB | 2/1/2019 | 3/5/2019 | 2/1/2019 | Purchased | 2.345 | 2.35 | 10,149,000 | 10,127,845 | 21,155 | - | - | - | - | 10,127,845 |
| FUND 2602 | T-BILL | 523806 | BONY | 87 | MERIL | 1/22/2019 | 2/12/2019 | 2/6/2019 | Partial Sale | 2.31 | 2.313 | 5,001,000 | 4,994,261 | 6,739 | - | 4,813 | - | 42 | 4,999,116 |
| FUND 2602 | T-BILL | 523898 | BONY | 87 | DAIWA | 1/22/2019 | 2/12/2019 | 2/6/2019 | Partial Sale | 2.31 | 2.313 | 5,002,000 | 4,995,260 | 6,740 | - | - | - | 50 | 5,000,124 |
| FUND 2602 | T-NOTE-MID | 523885 | BONY | 87 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 4,982,000 | 4,999,185 | 17,185 | 17,769 | - | - | - | 4,999,185 |
| FUND 2602 | T-BILL | 523899 | BONY | 87 | DAIWA | 1/22/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.31 | 2.313 | 39,544,000 | 39,490,714 | - | - | 53,286 | - | - | 39,544,000 |
| FUND 2602 | T-BILL | 523957 | BONY | 87 | DAIWA | 2/12/2019 | 3/1/2019 | 2/12/2019 | Purchased | 2.385 | 2.388 | 39,589,000 | 39,544,413 | 44,587 | - | - | - | - | 39,544,413 |
| FUND 2602 | T-NOTE-MID | 523885 | BONY | 87 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 584 | - | - | - | 584 | - | - |
| FUND 2602 | T-NOTE-MID | 523885 | BONY | 87 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 4,982,000 | 4,999,769 | - | 17,769 | 914 | - | - | 5,000,683 |
| FUND 2602 | T-BILL | 523957 | BONY | 87 | DAIWA | 2/12/2019 | 3/1/2019 | 2/15/2019 | Partial Sale | 2.385 | 2.388 | 890,000 | 888,998 | 1,002 | - | 177 | - | 2 | 889,173 |
| FUND 2602 | T-BILL | 523810 | BONY | 87 | RBC | 2/1/2019 | 3/5/2019 | 2/20/2019 | Partial Sale | 2.345 | 2.35 | 12,000 | 11,975 | 25 | - | 15 | - | 0 | 11,990 |
| FUND 2602 | T-NOTE-MID | 524156 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 2/28/2019 | Purchased | 0.875 | 2.316 | 50,000,000 | 49,976,509 | 23,491 | 126,899 | - | - | - | 49,976,509 |
| FUND 2602 | T-NOTE-MID | 524157 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 2/28/2019 | Purchased | 0.875 | 2.316 | 50,000,000 | 49,976,509 | 23,491 | 126,899 | - | - | - | 49,976,509 |
| FUND 2602 | T-NOTE-MID | 524158 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 2/28/2019 | Purchased | 0.875 | 2.316 | 38,633,000 | 38,614,849 | 18,151 | 98,050 | - | - | - | 38,614,849 |
| FUND 2602 | T-BILL | 524040 | BONY | 87 | DAIWA | 2/12/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.385 | 2.388 | 38,699,000 | 38,655,415 | - | - | 43,585 | - | - | 38,699,000 |
| FUND 2602 | T-BILL | 524162 | BONY | 87 | DAIWA | 3/1/2019 | 4/11/2019 | 3/1/2019 | Purchased | 2.39 | 2.397 | 33,639,000 | 33,547,437 | 91,563 | - | - | - | - | 33,547,437 |
| FUND 2602 | T-BILL | 524065 | BONY | 87 | BOFAB | 2/1/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.345 | 2.35 | 10,137,000 | 10,115,870 | - | - | 21,130 | - | - | 10,137,000 |
| FUND 2602 | FNMA NOTES | 524185 | BONY | 87 | RBC | 3/5/2019 | 5/1/2019 | 3/5/2019 | Purchased | 2.375 | 2.384 | 10,176,000 | 10,137,734 | 38,266 | - | - | - | - | 10,137,734 |
| FUND 2602 | T-BILL | 524238 | BONY | 87 | BOFAB | 3/8/2019 | 4/2/2019 | 3/8/2019 | Purchased | 2.36 | 2.364 | 5,008,000 | 4,999,792 | 8,208 | - | - | - | - | 4,999,792 |
| FUND 2602 | T-BILL | 524162 | BONY | 87 | RBC | 3/1/2019 | 4/11/2019 | 3/19/2019 | Partial Sale | 2.39 | 2.397 | 10,000 | 9,973 | 27 | - | 12 | - | 1 | 9,985 |
| FUND 2602 | T-NOTE-MID | 524408 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 3/22/2019 | Purchased | 0.875 | 2.296 | 50,000,000 | 50,048,019 | 48,019 | 153,488 | - | - | - | 50,048,019 |
| FUND 2602 | T-NOTE-MID | 524409 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 3/22/2019 | Purchased | 0.875 | 2.296 | 50,000,000 | 50,048,019 | 48,019 | 153,488 | - | - | - | 50,048,019 |
| FUND 2602 | T-NOTE-MID | 524410 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 3/22/2019 | Purchased | 0.875 | 2.296 | 29,652,000 | 29,680,477 | 28,477 | 91,024 | - | - | - | 29,680,477 |
| FUND 2602 | T-BILL | 524238 | BONY | 87 | BOFAB | 3/8/2019 | 4/2/2019 | 3/28/2019 | Partial Sale | 2.36 | 2.364 | 79,000 | 78,871 | 129 | - | 104 | - | 1 | 78,975 |
| FUND 2602 | T-BILL | 524456 | BONY | 87 | BOFAB | 3/8/2019 | 4/2/2019 | 3/29/2019 | Partial Sale | 2.36 | 2.364 | 10,000 | 9,984 | 16 | - | 14 | - | 0 | 9,997 |
| FUND 2602 | T-BILL | 524360 | BONY | 87 | DAIWA | 3/1/2019 | 4/11/2019 | 4/1/2019 | Partial Sale | 2.39 | 2.397 | 5,242,000 | 5,227,732 | 14,268 | - | 10,788 | - | 29 | 5,238,549 |
| FUND 2602 | T-BILL | 524470 | BONY | 87 | BOFAB | 3/8/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.36 | 2.364 | 4,919,000 | 4,910,938 | - | - | 8,062 | - | - | 4,919,000 |
| FUND 2602 | T-NOTE-MID | 524487 | BONY | 87 | RBC | 4/2/2019 | 5/15/2019 | 4/2/2019 | Purchased | 0.875 | 2.328 | 4,911,000 | 4,918,941 | 7,941 | 16,381 | - | - | - | 4,918,941 |
| FUND 2602 | T-BILL | 524479 | BONY | 87 | DAIWA | 3/1/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.39 | 2.397 | 28,387,000 | 28,309,732 | - | - | 77,268 | - | - | 28,387,000 |
| FUND 2602 | T-NOTE-MID | 524585 | BONY | 87 | DAIWA | 4/11/2019 | 5/15/2019 | 4/11/2019 | Purchased | 0.875 | 2.169 | 28,320,000 | 28,386,332 | 66,332 | 100,626 | - | - | - | 28,386,332 |
| FUND 2602 | T-NOTE-MID | 524704 | BONY | 87 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 12,766,000 | 12,805,588 | 39,588 | 49,063 | - | - | - | 12,805,588 |
| FUND 2602 | T-NOTE-MID | 524705 | BONY | 87 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 9,619,000 | 9,648,829 | 29,829 | 36,968 | - | - | - | 9,648,829 |
| FUND 2602 | T-NOTE-MID | 523453 | BONY | 87 | - | 12/26/2018 | 5/15/2019 | 4/24/2019 | Amort/(Accr) | 0.875 | 2.426 | - | 252,344 | - | - | - | 252,344 | - | - |
| FUND 2602 | T-NOTE-MID | 523454 | BONY | 87 | - | 12/26/2018 | 5/15/2019 | 4/24/2019 | Amort/(Accr) | 0.875 | 2.426 | - | 252,344 | - | - | - | 252,344 | - | - |
| FUND 2602 | T-NOTE-MID | 523762 | BONY | 87 | - | 1/29/2019 | 5/15/2019 | 4/24/2019 | Amort/(Accr) | 0.875 | 2.422 | - | 180,111 | - | - | - | 180,111 | - | - |
| FUND 2602 | T-NOTE-MID | 523763 | BONY | 87 | - | 1/29/2019 | 5/15/2019 | 4/24/2019 | Amort/(Accr) | 0.875 | 2.422 | - | 180,111 | - | - | - | 180,111 | - | - |
| FUND 2602 | T-NOTE-MID | 523453 | BONY | 87 | DAIWA | 12/26/2018 | 5/15/2019 | 4/24/2019 | Final Sale | 0.875 | 2.426 | 50,000,000 | 50,005,020 | 5,020 | 49,551 | 143,819 | - | 4,492 | 50,153,331 |
| FUND 2602 | T-NOTE-MID | 523454 | BONY | 87 | DAIWA | 12/26/2018 | 5/15/2019 | 4/24/2019 | Final Sale | 0.875 | 2.426 | 50,000,000 | 50,005,020 | 5,020 | 49,551 | 143,819 | - | 4,492 | 50,153,331 |
| FUND 2602 | T-NOTE-MID | 523762 | BONY | 87 | DAIWA | 1/29/2019 | 5/15/2019 | 4/24/2019 | Final Sale | 0.875 | 2.422 | 50,000,000 | 50,046,144 | 46,144 | 90,642 | 102,728 | - | 4,459 | 50,153,331 |
| FUND 2602 | T-NOTE-MID | 523763 | BONY | 87 | DAIWA | 1/29/2019 | 5/15/2019 | 4/24/2019 | Final Sale | 0.875 | 2.422 | 50,000,000 | 50,046,144 | 46,144 | 90,642 | 102,728 | - | 4,459 | 50,153,331 |
| FUND 2602 | T-NOTE-MID | 524730 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.296 | 50,000,000 | 50,714,045 | 714,045 | 690,608 | - | - | - | 50,714,045 |
| FUND 2602 | T-NOTE-MID | 524731 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.296 | 50,000,000 | 50,714,045 | 714,045 | 690,608 | - | - | - | 50,714,045 |
| FUND 2602 | T-NOTE-MID | 524732 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.296 | 50,000,000 | 50,714,045 | 714,045 | 690,608 | - | - | - | 50,714,045 |
| FUND 2602 | T-NOTE-MID | 524733 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.296 | 47,788,000 | 48,470,456 | 682,456 | 660,055 | - | - | - | 48,470,456 |
| FUND 2602 | T-NOTE-MID | 524734 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.229 | 50,000,000 | 50,715,998 | 715,998 | 690,608 | - | - | - | 50,715,998 |
| FUND 2602 | T-NOTE-MID | 524735 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.229 | 50,000,000 | 50,715,998 | 715,998 | 690,608 | - | - | - | 50,715,998 |
| FUND 2602 | T-NOTE-MID | 524736 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.229 | 50,000,000 | 50,715,998 | 715,998 | 690,608 | - | - | - | 50,715,998 |
| FUND 2602 | T-NOTE-MID | 524737 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 4/24/2019 | Purchased | 3.125 | 2.229 | 45,497,000 | 46,148,516 | 651,516 | 628,412 | - | - | - | 46,148,516 |
| FUND 2602 | T-NOTE-MID | 523770 | BONY | 87 | - | 1/29/2019 | 5/15/2019 | 4/30/2019 | Amort/(Accr) | 0.875 | 2.395 | - | 170 | - | - | - | 170 | - | - |
| FUND 2602 | T-NOTE-MID | 523770 | BONY | 87 | DAIWA | 1/29/2019 | 5/15/2019 | 4/30/2019 | Partial Sale | 0.875 | 2.395 | 45,000 | 45,053 | 53 | 82 | 99 | - | 0 | 45,152 |
| FUND 2602 | T-NOTE-MID | 524487 | BONY | 87 | - | 4/2/2019 | 5/15/2019 | 5/1/2019 | Amort/(Accr) | 0.875 | 2.328 | - | 4,842 | - | - | - | 4,842 | - | - |
| FUND 2602 | FNMA NOTES | 524185 | BONY | 87 | RBC | 3/5/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.375 | 2.384 | 10,176,000 | 10,137,734 | - | - | 38,266 | - | - | 10,176,000 |
| FUND 2602 | T-NOTE-MID | 524487 | BONY | 87 | DAIWA | 4/2/2019 | 5/15/2019 | 5/1/2019 | Partial Sale | 0.875 | 2.328 | 4,177,000 | 4,188,596 | 11,596 | 13,933 | 2,928 | - | 436 | 4,191,087 |
| FUND 2602 | T-NOTE-MID | 524789 | BONY | 87 | DAIWA | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 3.125 | 1.893 | 4,546,000 | 4,613,668 | 67,668 | 65,537 | - | - | - | 4,613,668 |
| FUND 2602 | T-BILL | 524877 | BONY | 87 | MERIL | 5/10/2019 | 6/4/2019 | 5/10/2019 | Purchased | 2.37 | 2.374 | 4,620,000 | 4,612,396 | 7,604 | - | - | - | - | 4,612,396 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 2602 | REPO INT | 524895 | BONY | 87 | DAIWA | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.35 | 2.35 | 200,000,000 | 200,000,000 | - | - | - | - | - | 200,000,000 |
| FUND 2602 | T-NOTE-MID | 523455 | BONY | 87 | - | 12/26/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.426 | - | 244,209 | - | - | - | 244,209 | - | - |
| FUND 2602 | T-NOTE-MID | 523764 | BONY | 87 | - | 1/29/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.422 | - | 164,302 | - | - | - | 164,302 | - | - |
| FUND 2602 | T-NOTE-MID | 524156 | BONY | 87 | - | 2/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.316 | - | 150,391 | - | - | - | 150,391 | - | - |
| FUND 2602 | T-NOTE-MID | 524157 | BONY | 87 | - | 2/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.316 | - | 150,391 | - | - | - | 150,391 | - | - |
| FUND 2602 | T-NOTE-MID | 524158 | BONY | 87 | - | 2/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.316 | - | 116,201 | - | - | - | 116,201 | - | - |
| FUND 2602 | T-NOTE-MID | 524408 | BONY | 87 | - | 3/22/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.296 | - | 105,469 | - | - | - | 105,469 | - | - |
| FUND 2602 | T-NOTE-MID | 524409 | BONY | 87 | - | 3/22/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.296 | - | 105,469 | - | - | - | 105,469 | - | - |
| FUND 2602 | T-NOTE-MID | 524410 | BONY | 87 | - | 3/22/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.296 | - | 62,547 | - | - | - | 62,547 | - | - |
| FUND 2602 | T-NOTE-MID | 524585 | BONY | 87 | - | 4/11/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.169 | - | 34,294 | - | - | - | 34,294 | - | - |
| FUND 2602 | T-NOTE-MID | 524704 | BONY | 87 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 9,475 | - | - | - | 9,475 | - | - |
| FUND 2602 | T-NOTE-MID | 524705 | BONY | 87 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 7,139 | - | - | - | 7,139 | - | - |
| FUND 2602 | T-NOTE-MID | 524730 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.296 | - | 23,437 | - | - | - | 23,437 | - | - |
| FUND 2602 | T-NOTE-MID | 524731 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.296 | - | 23,437 | - | - | - | 23,437 | - | - |
| FUND 2602 | T-NOTE-MID | 524732 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.296 | - | 23,437 | - | - | - | 23,437 | - | - |
| FUND 2602 | T-NOTE-MID | 524733 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.296 | - | 22,401 | - | - | - | 22,401 | - | - |
| FUND 2602 | T-NOTE-MID | 524734 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.229 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2602 | T-NOTE-MID | 524735 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.229 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2602 | T-NOTE-MID | 524736 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.229 | - | 25,391 | - | - | - | 25,391 | - | - |
| FUND 2602 | T-NOTE-MID | 524737 | BONY | 87 | - | 4/24/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 2.229 | - | 23,104 | - | - | - | 23,104 | - | - |
| FUND 2602 | T-NOTE-MID | 524770 | BONY | 87 | - | 1/29/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.395 | - | 2,997 | - | - | - | 2,997 | - | - |
| FUND 2602 | T-NOTE-MID | 524789 | BONY | 87 | - | 5/1/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 1.893 | - | 2,131 | - | - | - | 2,131 | - | - |
| FUND 2602 | T-NOTE-MID | 524793 | BONY | 87 | - | 4/2/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.328 | - | 1,262 | - | - | - | 1,262 | - | - |
| FUND 2602 | T-NOTE-MID | 523455 | BONY | 87 | DAIWA | 12/26/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.426 | 41,130,000 | 41,170,761 | - | 40,761 | 139,183 | - | - | 41,309,944 |
| FUND 2602 | T-NOTE-MID | 523764 | BONY | 87 | BOFAB | 1/29/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.422 | 36,575,000 | 36,641,305 | - | 66,305 | 93,711 | - | - | 36,735,016 |
| FUND 2602 | T-NOTE-MID | 524156 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.316 | 50,000,000 | 50,126,899 | - | 126,899 | 91,851 | - | - | 50,218,750 |
| FUND 2602 | T-NOTE-MID | 524157 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.316 | 50,000,000 | 50,126,899 | - | 126,899 | 91,851 | - | - | 50,218,750 |
| FUND 2602 | T-NOTE-MID | 524158 | BONY | 87 | DAIWA | 2/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.316 | 38,633,000 | 38,731,050 | - | 98,050 | 70,969 | - | - | 38,802,019 |
| FUND 2602 | T-NOTE-MID | 524408 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.296 | 50,000,000 | 50,153,488 | - | 153,488 | 65,262 | - | - | 50,218,750 |
| FUND 2602 | T-NOTE-MID | 524409 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.296 | 50,000,000 | 50,153,488 | - | 153,488 | 65,262 | - | - | 50,218,750 |
| FUND 2602 | T-NOTE-MID | 524410 | BONY | 87 | DAIWA | 3/22/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.296 | 29,652,000 | 29,743,024 | - | 91,024 | 38,703 | - | - | 29,781,728 |
| FUND 2602 | T-NOTE-MID | 524585 | BONY | 87 | DAIWA | 4/11/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.169 | 28,320,000 | 28,420,626 | - | 100,626 | 23,274 | - | - | 28,443,900 |
| FUND 2602 | T-NOTE-MID | 524704 | BONY | 87 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 12,766,000 | 12,815,063 | - | 49,063 | 6,789 | - | - | 12,821,851 |
| FUND 2602 | T-NOTE-MID | 524705 | BONY | 87 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 9,619,000 | 9,655,968 | - | 36,968 | 5,115 | - | - | 9,661,083 |
| FUND 2602 | T-NOTE-MID | 524730 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.296 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524731 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.296 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524732 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.296 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524733 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.296 | 47,788,000 | 48,448,055 | - | 660,055 | 86,632 | - | - | 48,534,688 |
| FUND 2602 | T-NOTE-MID | 524734 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.229 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524735 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.229 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524736 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.229 | 50,000,000 | 50,690,608 | - | 690,608 | 90,642 | - | - | 50,781,250 |
| FUND 2602 | T-NOTE-MID | 524737 | BONY | 87 | DAIWA | 4/24/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 2.229 | 45,497,000 | 46,125,412 | - | 628,412 | 82,479 | - | - | 46,207,891 |
| FUND 2602 | T-NOTE-MID | 524770 | BONY | 87 | DAIWA | 1/29/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.395 | 679,000 | 680,231 | - | 1,231 | 1,740 | - | - | 681,971 |
| FUND 2602 | T-NOTE-MID | 524789 | BONY | 87 | DAIWA | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 1.893 | 4,546,000 | 4,611,537 | - | 65,537 | 5,494 | - | - | 4,617,031 |
| FUND 2602 | T-NOTE-MID | 524793 | BONY | 87 | RBC | 4/2/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.328 | 734,000 | 736,448 | - | 2,448 | 763 | - | - | 737,211 |
| FUND 2602 | REPO INT | 524895 | BONY | 87 | DAIWA | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.35 | 2.35 | 200,000,000 | 200,000,000 | - | - | 13,056 | - | - | 200,013,056 |
| FUND 2602 | T-NOTE-MID | 524925 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524926 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524927 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524928 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524929 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524930 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2602 | T-NOTE-MID | 524931 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 40,000,000 | 40,185,938 | 185,938 | - | - | - | - | 40,185,938 |
| FUND 2602 | T-NOTE-EOM | 524932 | BONY | 87 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 9,118,000 | 9,148,038 | 30,038 | 42,504 | - | - | - | 9,148,038 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 2602 | T-BILL | 524877 | BONY | 87 | DAIWA | 5/10/2019 | 6/4/2019 | 5/16/2019 | Partial Sale | 2.37 | 2.374 | 31,000 | 30,949 | 51 | - | 12 | - | 0 | 30,962 |
| FUND 2602 | T-BILL | 524970 | BONY | 87 | DAIWA | 5/10/2019 | 6/4/2019 | 5/23/2019 | Partial Sale | 2.37 | 2.374 | 11,000 | 10,982 | 18 | - | 9 | - | 0 | 10,992 |
| FUND 2602 | T-BILL | 525083 | BONY | 87 | BOFAB | 5/10/2019 | 6/4/2019 | 5/30/2019 | Partial Sale | 2.37 | 2.374 | 42,000 | 41,931 | 69 | - | 55 | - | 1 | 41,987 |
| FUND 2602 | COMM PAPER | 525153 | BONY | 87 | RBC | 5/30/2019 | 6/3/2019 | 5/30/2019 | Purchased | 2.31 | 2.311 | 25,547,000 | 25,540,443 | 6,557 | - | - | - | - | 25,540,443 |
| FUND 2602 | COMM PAPER | 525153 | BONY | 87 | RBC | 5/30/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.31 | 2.311 | 25,547,000 | 25,540,443 | - | - | 6,557 | - | - | 25,547,000 |
| FUND 2602 | T-BILL | 525180 | BONY | 87 | RBC | 6/3/2019 | 8/1/2019 | 6/3/2019 | Purchased | 2.27 | 2.278 | 19,932,000 | 19,857,847 | 74,153 | - | - | - | - | 19,857,847 |
| FUND 2602 | T-BILL | 525160 | BONY | 87 | MERIL | 5/10/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.37 | 2.374 | 4,536,000 | 4,528,535 | - | - | 7,466 | - | - | 4,536,000 |
| FUND 2602 | T-BILL | 525194 | BONY | 87 | BOFAB | 6/4/2019 | 8/1/2019 | 6/4/2019 | Purchased | 2.28 | 2.288 | 4,553,000 | 4,536,275 | 16,725 | - | - | - | - | 4,536,275 |
| FUND 2602 | T-BILL | 525279 | BONY | 87 | DAIWA | 6/11/2019 | 7/25/2019 | 6/11/2019 | Purchased | 2.217 | 2.223 | 1,000 | 997 | 3 | - | - | - | - | 997 |
| FUND 2602 | T-BILL | 525194 | BONY | 87 | DAIWA | 6/4/2019 | 8/1/2019 | 6/14/2019 | Partial Sale | 2.28 | 2.288 | 146,000 | 145,464 | 536 | - | 92 | - | 27 | 145,583 |
| FUND 2602 | T-NOTE-MID | 525324 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 6/14/2019 | Purchased | 3.375 | 2.147 | 50,000,000 | 50,391,474 | 391,474 | 137,568 | - | - | - | 50,391,474 |
| FUND 2602 | T-NOTE-MID | 525325 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 6/14/2019 | Purchased | 3.375 | 2.147 | 50,000,000 | 50,391,474 | 391,474 | 137,568 | - | - | - | 50,391,474 |
| FUND 2602 | T-NOTE-MID | 525326 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 6/14/2019 | Purchased | 3.375 | 2.147 | 35,148,000 | 35,423,191 | 275,191 | 96,705 | - | - | - | 35,423,191 |
| FUND 2602 | T-BILL | 525339 | BONY | 87 | DAIWA | 6/4/2019 | 8/1/2019 | 6/17/2019 | Partial Sale | 2.28 | 2.288 | 33,000 | 32,879 | 121 | - | 27 | - | 6 | 32,912 |
| FUND 2602 | T-BILL | 525358 | BONY | 87 | DAIWA | 6/4/2019 | 8/1/2019 | 6/24/2019 | Partial Sale | 2.28 | 2.288 | 12,000 | 11,956 | 44 | - | 15 | - | 3 | 11,974 |
| FUND 2602 | T-NOTE-EOM | 524932 | BONY | 87 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 12,466 | - | - | - | 12,466 | - | - |
| FUND 2602 | T-NOTE-EOM | 524932 | BONY | 87 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 9,118,000 | 9,160,504 | - | 42,504 | 14,483 | - | - | 9,174,988 |
| FUND 2602 | T-NOTE-MID | 525489 | BONY | 87 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 4,077,000 | 4,114,322 | 37,322 | 17,574 | - | - | - | 4,114,322 |
| FUND 2602 | T-BILL | 525426 | BONY | 87 | DAIWA | 6/4/2019 | 8/1/2019 | 7/15/2019 | Partial Sale | 2.28 | 2.288 | 22,000 | 21,919 | 81 | - | 57 | - | 2 | 21,978 |
| FUND 2602 | T-BILL | 525279 | BONY | 87 | DAIWA | 6/11/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.217 | 2.223 | 1,000 | 997 | - | - | 3 | - | - | 1,000 |
| FUND 2602 | T-BILL | 525755 | BONY | 87 | BOFAB | 7/25/2019 | 9/10/2019 | 7/25/2019 | Purchased | 2.068 | 2.074 | 1,000 | 997 | 3 | - | - | - | - | 997 |
| FUND 2602 | T-NOTE-MID | 525785 | BONY | 87 | CANT | 7/29/2019 | 11/15/2019 | 7/29/2019 | Purchased | 1 | 2.035 | 50,000,000 | 49,949,558 | 50,442 | 101,902 | - | - | - | 49,949,558 |
| FUND 2602 | T-NOTE-MID | 525786 | BONY | 87 | CANT | 7/29/2019 | 11/15/2019 | 7/29/2019 | Purchased | 1 | 2.035 | 38,250,000 | 38,211,412 | 38,588 | 77,955 | - | - | - | 38,211,412 |
| FUND 2602 | T-NOTE-MID | 525787 | BONY | 87 | CANT | 7/29/2019 | 11/15/2019 | 7/29/2019 | Purchased | 1 | 2.035 | 50,000,000 | 49,949,558 | 50,442 | 101,902 | - | - | - | 49,949,558 |
| FUND 2602 | T-BILL | 525180 | BONY | 87 | RBC | 6/3/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.27 | 2.278 | 19,932,000 | 19,857,847 | - | - | 74,153 | - | - | 19,932,000 |
| FUND 2602 | T-BILL | 525643 | BONY | 87 | BOFAB | 6/4/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.28 | 2.288 | 4,340,000 | 4,324,058 | - | - | 15,942 | - | - | 4,340,000 |
| FUND 2602 | T-NOTE-MID | 525820 | BONY | 87 | DAIWA | 8/1/2019 | 11/15/2019 | 8/1/2019 | Purchased | 3.375 | 2.055 | 18,991,000 | 19,198,069 | 207,069 | 135,853 | - | - | - | 19,198,069 |
| FUND 2602 | T-NOTE-MID | 524926 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 8/9/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 53,197 | - | - | - | 53,197 | - | - |
| FUND 2602 | T-NOTE-MID | 524926 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 8/9/2019 | Partial Sale | 3.375 | 2.434 | 24,485,000 | 24,545,620 | 60,620 | - | 193,119 | - | 20,678 | 24,759,417 |
| FUND 2602 | T-BILL | 525964 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,997,917 | 2,083 | - | - | - | - | 49,997,917 |
| FUND 2602 | T-BILL | 525965 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,997,917 | 2,083 | - | - | - | - | 49,997,917 |
| FUND 2602 | T-BILL | 525966 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,997,917 | 2,083 | - | - | - | - | 49,997,917 |
| FUND 2602 | T-BILL | 525967 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.75 | 1.75 | 50,000,000 | 49,997,569 | 2,431 | - | - | - | - | 49,997,569 |
| FUND 2602 | T-BILL | 525968 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.75 | 1.75 | 50,000,000 | 49,997,569 | 2,431 | - | - | - | - | 49,997,569 |
| FUND 2602 | T-BILL | 525969 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 1.75 | 1.75 | 50,000,000 | 49,997,569 | 2,431 | - | - | - | - | 49,997,569 |
| FUND 2602 | REPO INT | 525979 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.05 | 2.05 | 200,014,000 | 200,014,000 | - | - | - | - | - | 200,014,000 |
| FUND 2602 | T-NOTE-MID | 525325 | BONY | 87 | - | 6/14/2019 | 11/15/2019 | 8/15/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 10,097 | - | - | - | 10,097 | - | - |
| FUND 2602 | T-BILL | 525964 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,997,917 | - | - | 2,083 | - | - | 50,000,000 |
| FUND 2602 | T-BILL | 525965 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,997,917 | - | - | 2,083 | - | - | 50,000,000 |
| FUND 2602 | T-BILL | 525966 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,997,917 | - | - | 2,083 | - | - | 50,000,000 |
| FUND 2602 | T-BILL | 525967 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.75 | 1.75 | 50,000,000 | 49,997,569 | - | - | 2,431 | - | - | 50,000,000 |
| FUND 2602 | T-BILL | 525968 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.75 | 1.75 | 50,000,000 | 49,997,569 | - | - | 2,431 | - | - | 50,000,000 |
| FUND 2602 | T-BILL | 525969 | BONY | 87 | BOFAB | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 1.75 | 1.75 | 50,000,000 | 49,997,569 | - | - | 2,431 | - | - | 50,000,000 |
| FUND 2602 | REPO INT | 525979 | BONY | 87 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.05 | 2.05 | 200,014,000 | 200,014,000 | - | - | 11,390 | - | - | 200,025,390 |
| FUND 2602 | T-NOTE-MID | 525325 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 8/15/2019 | Partial Sale | 3.375 | 2.147 | 4,939,000 | 4,967,572 | 28,572 | 13,589 | 28,084 | - | 1,609 | 4,997,265 |
| FUND 2602 | T-NOTE-MID | 526083 | BONY | 87 | BOFAB | 8/21/2019 | 11/15/2019 | 8/21/2019 | Purchased | 1 | 1.856 | 16,000 | 16,011 | 11 | 43 | - | - | - | 16,011 |
| FUND 2602 | T-NOTE-MID | 526106 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 50,000,000 | 50,618,037 | 618,037 | 453,974 | - | - | - | 50,618,037 |
| FUND 2602 | T-NOTE-MID | 526107 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 50,000,000 | 50,618,037 | 618,037 | 453,974 | - | - | - | 50,618,037 |
| FUND 2602 | T-NOTE-MID | 526108 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 50,000,000 | 50,618,037 | 618,037 | 453,974 | - | - | - | 50,618,037 |
| FUND 2602 | T-NOTE-MID | 526109 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 15,663,000 | 15,856,606 | 193,606 | 142,212 | - | - | - | 15,856,606 |
| FUND 2602 | T-NOTE-MID | 525933 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 9/3/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 14,941 | - | - | - | 14,941 | - | - |
| FUND 2602 | T-NOTE-MID | 525933 | BONY | 87 | DAIWA | 5/15/2019 | 11/15/2019 | 9/3/2019 | Partial Sale | 3.375 | 2.434 | 5,328,000 | 5,337,826 | 9,826 | - | 54,239 | - | 3,702 | 5,395,767 |
| FUND 2602 | T-BILL | 525755 | BONY | 87 | BOFAB | 7/25/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.068 | 2.074 | 1,000 | 997 | - | - | 3 | - | - | 1,000 |
| FUND 2602 | T-BILL | 526296 | BONY | 87 | BOFAB | 9/10/2019 | 1/23/2020 | 9/10/2019 | Purchased | 1.821 | 1.834 | 1,000 | 993 | 7 | - | - | - | - | 993 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2602 | T-NOTE-MID | 525326 | BONY | 87 - | | 6/14/2019 | 11/15/2019 | 9/16/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 74 | - | - | - | 74 | - | - |
| FUND 2602 | T-NOTE-MID | 525326 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 9/16/2019 | Partial Sale | 3.375 | 2.147 | 24,000 | 24,114 | 114 | 66 | 207 | - | 5 | 24,325 |
| FUND 2602 | T-NOTE-MID | 526468 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 9/25/2019 | Purchased | 1 | 1.762 | 50,000,000 | 50,127,972 | 127,972 | 180,707 | - | - | - | 50,127,972 |
| FUND 2602 | T-NOTE-MID | 526469 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 9/25/2019 | Purchased | 1 | 1.762 | 50,000,000 | 50,127,972 | 127,972 | 180,707 | - | - | - | 50,127,972 |
| FUND 2602 | T-NOTE-MID | 526470 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 9/25/2019 | Purchased | 1 | 1.762 | 35,360,000 | 35,450,502 | 90,502 | 127,796 | - | - | - | 35,450,502 |
| FUND 2602 | T-NOTE-MID | 525785 | BONY | 87 - | | 7/29/2019 | 11/15/2019 | 9/30/2019 | Amort/(Accr) | 1 | 2.035 | - | 88,052 | - | - | - | 88,052 | - | - |
| FUND 2602 | T-NOTE-MID | 525787 | BONY | 87 - | | 7/29/2019 | 11/15/2019 | 9/30/2019 | Amort/(Accr) | 1 | 2.035 | - | 88,052 | - | - | - | 88,052 | - | - |
| FUND 2602 | T-NOTE-MID | 525785 | BONY | 87 | DAIWA | 7/29/2019 | 11/15/2019 | 9/30/2019 | Final Sale | 1 | 2.035 | 50,000,000 | 50,037,610 | 37,610 | 101,902 | 85,598 | - | 9,604 | 50,132,813 |
| FUND 2602 | T-NOTE-MID | 525787 | BONY | 87 | DAIWA | 7/29/2019 | 11/15/2019 | 9/30/2019 | Final Sale | 1 | 2.035 | 50,000,000 | 50,037,610 | 37,610 | 101,902 | 85,598 | - | 9,604 | 50,132,813 |
| FUND 2602 | T-NOTE-MID | 526498 | BONY | 87 | DAIWA | 9/30/2019 | 11/15/2019 | 9/30/2019 | Purchased | 3.375 | 1.886 | 50,000,000 | 50,724,609 | 724,609 | 632,813 | - | - | - | 50,724,609 |
| FUND 2602 | T-NOTE-MID | 526499 | BONY | 87 | DAIWA | 9/30/2019 | 11/15/2019 | 9/30/2019 | Purchased | 3.375 | 1.886 | 48,834,000 | 49,541,711 | 707,711 | 618,055 | - | - | - | 49,541,711 |
| FUND 2602 | T-NOTE-MID | 526191 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 10/1/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 16,392 | - | - | - | 16,392 | - | - |
| FUND 2602 | T-NOTE-MID | 526191 | BONY | 87 | DAIWA | 5/15/2019 | 11/15/2019 | 10/1/2019 | Partial Sale | 3.375 | 2.434 | 4,668,000 | 4,673,307 | 5,307 | - | 59,507 | - | 3,628 | 4,736,442 |
| FUND 2602 | T-NOTE-MID | 525820 | BONY | 87 - | | 8/1/2019 | 11/15/2019 | 10/16/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 56 | - | - | - | 56 | - | - |
| FUND 2602 | T-NOTE-MID | 525820 | BONY | 87 | CANT | 8/1/2019 | 11/15/2019 | 10/16/2019 | Partial Sale | 3.375 | 2.055 | 21,000 | 21,173 | 173 | 150 | 146 | - | 3 | 21,322 |
| FUND 2602 | T-NOTE-MID | 526753 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.61 | 50,000,000 | 50,781,760 | 781,760 | 715,353 | - | - | - | 50,781,760 |
| FUND 2602 | T-NOTE-MID | 526754 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.61 | 50,000,000 | 50,781,760 | 781,760 | 715,353 | - | - | - | 50,781,760 |
| FUND 2602 | T-NOTE-MID | 526755 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.61 | 50,000,000 | 50,781,760 | 781,760 | 715,353 | - | - | - | 50,781,760 |
| FUND 2602 | T-NOTE-MID | 526756 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.61 | 42,913,000 | 43,583,953 | 670,953 | 613,959 | - | - | - | 43,583,953 |
| FUND 2602 | FHLB NOTES | 526845 | BONY | 87 | DAIWA | 10/30/2019 | 11/1/2019 | 10/30/2019 | Purchased | 1.5 | 1.5 | 27,168,000 | 27,165,736 | 2,264 | - | - | - | - | 27,165,736 |
| FUND 2602 | T-NOTE-MID | 525489 | BONY | 87 - | | 7/1/2019 | 11/15/2019 | 10/31/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 492 | - | - | - | 492 | - | - |
| FUND 2602 | T-NOTE-MID | 525489 | BONY | 87 | CANT | 7/1/2019 | 11/15/2019 | 10/31/2019 | Partial Sale | 3.375 | 2.058 | 114,000 | 114,552 | 552 | 491 | 1,276 | - | 15 | 115,843 |
| FUND 2602 | T-NOTE-MID | 526361 | BONY | 87 - | | 6/14/2019 | 11/15/2019 | 11/1/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 81,712 | - | - | - | 81,712 | - | - |
| FUND 2602 | FHLB NOTES | 526845 | BONY | 87 | DAIWA | 10/30/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.5 | 1.5 | 27,168,000 | 27,165,736 | - | - | 2,264 | - | - | 27,168,000 |
| FUND 2602 | T-NOTE-MID | 526361 | BONY | 87 | BOFAB | 6/14/2019 | 11/15/2019 | 11/1/2019 | Partial Sale | 3.375 | 2.147 | 17,700,000 | 17,756,870 | 56,870 | 48,699 | 227,262 | - | 2,200 | 17,986,332 |
| FUND 2602 | T-NOTE-MID | 526870 | BONY | 87 | CANT | 11/1/2019 | 11/15/2019 | 11/1/2019 | Purchased | 1 | 1.409 | 1,388,000 | 1,394,195 | 6,195 | 6,412 | - | - | - | 1,394,195 |
| FUND 2602 | T-NOTE-MID | 524925 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2602 | T-NOTE-MID | 524927 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2602 | T-NOTE-MID | 524928 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2602 | T-NOTE-MID | 524929 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2602 | T-NOTE-MID | 524930 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2602 | T-NOTE-MID | 524931 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 185,938 | - | - | - | 185,938 | - | - |
| FUND 2602 | T-NOTE-MID | 525324 | BONY | 87 - | | 6/14/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 253,906 | - | - | - | 253,906 | - | - |
| FUND 2602 | T-NOTE-MID | 525786 | BONY | 87 - | | 7/29/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.035 | - | 116,543 | - | - | - | 116,543 | - | - |
| FUND 2602 | T-NOTE-MID | 526005 | BONY | 87 - | | 6/14/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 228,825 | - | - | - | 228,825 | - | - |
| FUND 2602 | T-NOTE-MID | 526083 | BONY | 87 - | | 8/21/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.856 | - | 32 | - | - | - | 32 | - | - |
| FUND 2602 | T-NOTE-MID | 526106 | BONY | 87 - | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 164,063 | - | - | - | 164,063 | - | - |
| FUND 2602 | T-NOTE-MID | 526107 | BONY | 87 - | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 164,063 | - | - | - | 164,063 | - | - |
| FUND 2602 | T-NOTE-MID | 526108 | BONY | 87 - | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 164,063 | - | - | - | 164,063 | - | - |
| FUND 2602 | T-NOTE-MID | 526109 | BONY | 87 - | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 51,394 | - | - | - | 51,394 | - | - |
| FUND 2602 | T-NOTE-MID | 526468 | BONY | 87 - | | 9/25/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.762 | - | 52,734 | - | - | - | 52,734 | - | - |
| FUND 2602 | T-NOTE-MID | 526469 | BONY | 87 - | | 9/25/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.762 | - | 52,734 | - | - | - | 52,734 | - | - |
| FUND 2602 | T-NOTE-MID | 526470 | BONY | 87 - | | 9/25/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.762 | - | 37,294 | - | - | - | 37,294 | - | - |
| FUND 2602 | T-NOTE-MID | 526498 | BONY | 87 - | | 9/30/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.886 | - | 91,797 | - | - | - | 91,797 | - | - |
| FUND 2602 | T-NOTE-MID | 526499 | BONY | 87 - | | 9/30/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.886 | - | 89,656 | - | - | - | 89,656 | - | - |
| FUND 2602 | T-NOTE-MID | 526536 | BONY | 87 - | | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 72,139 | - | - | - | 72,139 | - | - |
| FUND 2602 | T-NOTE-MID | 526722 | BONY | 87 - | | 8/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 71,138 | - | - | - | 71,138 | - | - |
| FUND 2602 | T-NOTE-MID | 526753 | BONY | 87 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.61 | - | 66,406 | - | - | - | 66,406 | - | - |
| FUND 2602 | T-NOTE-MID | 526754 | BONY | 87 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.61 | - | 66,406 | - | - | - | 66,406 | - | - |
| FUND 2602 | T-NOTE-MID | 526755 | BONY | 87 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.61 | - | 66,406 | - | - | - | 66,406 | - | - |
| FUND 2602 | T-NOTE-MID | 526756 | BONY | 87 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.61 | - | 56,994 | - | - | - | 56,994 | - | - |
| FUND 2602 | T-NOTE-MID | 526856 | BONY | 87 - | | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 19,196 | - | - | - | 19,196 | - | - |
| FUND 2602 | T-NOTE-MID | 526870 | BONY | 87 - | | 11/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.409 | - | 217 | - | - | - | 217 | - | - |
| FUND 2602 | T-NOTE-MID | 526874 | BONY | 87 - | | 6/14/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 88,481 | - | - | - | 88,481 | - | - |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|-------------------|---------------------|-------------------|------------------|---------------|----------------------|
| FUND 2602 | T-NOTE-MID | 524925 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 524927 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 524928 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 524929 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 524930 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 524931 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 40,000,000 | 40,000,000 | - | - | 675,000 | - | - | 40,675,000 |
| FUND 2602 | T-NOTE-MID | 525324 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.147 | 50,000,000 | 50,137,568 | - | 137,568 | 706,182 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 525786 | BONY | 87 | CANT | 7/29/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.035 | 38,250,000 | 38,327,955 | - | 77,955 | 113,295 | - | - | 38,441,250 |
| FUND 2602 | T-NOTE-MID | 526005 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.147 | 45,061,000 | 45,184,979 | - | 123,979 | 636,425 | - | - | 45,821,404 |
| FUND 2602 | T-NOTE-MID | 526083 | BONY | 87 | BOFAB | 8/21/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.856 | 16,000 | 16,043 | - | 43 | 37 | - | - | 16,080 |
| FUND 2602 | T-NOTE-MID | 526106 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 50,000,000 | 50,453,974 | - | 453,974 | 389,776 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526107 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 50,000,000 | 50,453,974 | - | 453,974 | 389,776 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526108 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 50,000,000 | 50,453,974 | - | 453,974 | 389,776 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526109 | BONY | 87 | MERIL | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 15,663,000 | 15,805,212 | - | 142,212 | 122,101 | - | - | 15,927,313 |
| FUND 2602 | T-NOTE-MID | 526468 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.762 | 50,000,000 | 50,180,707 | - | 180,707 | 69,293 | - | - | 50,250,000 |
| FUND 2602 | T-NOTE-MID | 526469 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.762 | 50,000,000 | 50,180,707 | - | 180,707 | 69,293 | - | - | 50,250,000 |
| FUND 2602 | T-NOTE-MID | 526470 | BONY | 87 | DAIWA | 9/25/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.762 | 35,360,000 | 35,487,796 | - | 127,796 | 49,004 | - | - | 35,536,800 |
| FUND 2602 | T-NOTE-MID | 526498 | BONY | 87 | DAIWA | 9/30/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.886 | 50,000,000 | 50,632,813 | - | 632,813 | 210,938 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526499 | BONY | 87 | DAIWA | 9/30/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.886 | 48,834,000 | 49,452,055 | - | 618,055 | 206,018 | - | - | 49,658,074 |
| FUND 2602 | T-NOTE-MID | 526536 | BONY | 87 | MIZUH | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 15,519,000 | 15,519,000 | - | - | 261,883 | - | - | 15,780,883 |
| FUND 2602 | T-NOTE-MID | 526722 | BONY | 87 | DAIWA | 8/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.055 | 18,970,000 | 19,105,703 | - | 135,703 | 184,416 | - | - | 19,290,119 |
| FUND 2602 | T-NOTE-MID | 526753 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.61 | 50,000,000 | 50,715,353 | - | 715,353 | 128,397 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526754 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.61 | 50,000,000 | 50,715,353 | - | 715,353 | 128,397 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526755 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.61 | 50,000,000 | 50,715,353 | - | 715,353 | 128,397 | - | - | 50,843,750 |
| FUND 2602 | T-NOTE-MID | 526756 | BONY | 87 | MERIL | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.61 | 42,913,000 | 43,526,959 | - | 613,959 | 110,198 | - | - | 43,637,157 |
| FUND 2602 | T-NOTE-MID | 526856 | BONY | 87 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 3,963,000 | 3,980,082 | - | 17,082 | 49,793 | - | - | 4,029,876 |
| FUND 2602 | T-NOTE-MID | 526870 | BONY | 87 | CANT | 11/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.409 | 1,388,000 | 1,394,412 | - | 6,412 | 528 | - | - | 1,394,940 |
| FUND 2602 | T-NOTE-MID | 526874 | BONY | 87 | DAIWA | 6/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.147 | 17,424,000 | 17,471,940 | - | 47,940 | 246,090 | - | - | 17,718,030 |
| FUND 2602 | T-NOTE-MID | 527015 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 38,906,000 | 38,895,362 | 10,638 | - | - | - | - | 38,895,362 |
| FUND 2602 | T-NOTE-MID | 527037 | BONY | 87 | CANT | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.563 | 315,000 | 314,902 | 98 | - | - | - | - | 314,902 |
| FUND 2602 | COMM PAPER | 527139 | BONY | 87 | CANT | 11/26/2019 | 12/2/2019 | 11/26/2019 | Purchased | 1.55 | 1.55 | 35,595,000 | 35,585,805 | 9,195 | - | - | - | - | 35,585,805 |
| FUND 2602 | COMM PAPER | 527139 | BONY | 87 | CANT | 11/26/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.55 | 35,595,000 | 35,585,805 | - | - | 9,195 | - | - | 35,595,000 |
| FUND 2602 | T-BILL | 527164 | BONY | 87 | CANT | 12/2/2019 | 1/2/2020 | 12/2/2019 | Partial Sale | 1.52 | 1.522 | 4,789,000 | 4,782,732 | 6,268 | - | - | - | 0 | 4,782,732 |
| FUND 2602 | T-BILL | 527164 | BONY | 87 | CANT | 12/2/2019 | 1/2/2020 | 12/2/2019 | Purchased | 1.52 | 1.522 | 35,641,000 | 35,594,350 | 46,650 | - | - | - | - | 35,594,350 |
| FUND 2602 | T-BILL | 527177 | BONY | 87 | BOFAB | 12/2/2019 | 1/2/2020 | 12/5/2019 | Partial Sale | 1.52 | 1.522 | 59,000 | 58,923 | 77 | - | 7 | - | 2 | 58,933 |
| FUND 2602 | T-BILL | 527271 | BONY | 87 | BOFAB | 12/2/2019 | 1/2/2020 | 12/18/2019 | Partial Sale | 1.52 | 1.522 | 21,000 | 20,973 | 27 | - | 14 | - | 0 | 20,987 |
| FUND 2602 | T-NOTE-MID | 527570 | BONY | 87 | DAIWA | 12/23/2019 | 5/15/2020 | 12/23/2019 | Purchased | 1.5 | 1.578 | 50,000,000 | 50,062,672 | 62,672 | 78,297 | - | - | - | 50,062,672 |
| FUND 2602 | T-NOTE-MID | 527571 | BONY | 87 | DAIWA | 12/23/2019 | 5/15/2020 | 12/23/2019 | Purchased | 1.5 | 1.578 | 50,000,000 | 50,062,672 | 62,672 | 78,297 | - | - | - | 50,062,672 |
| FUND 2602 | T-NOTE-MID | 527572 | BONY | 87 | DAIWA | 12/23/2019 | 5/15/2020 | 12/23/2019 | Purchased | 1.5 | 1.578 | 37,668,000 | 37,715,214 | 47,214 | 58,986 | - | - | - | 37,715,214 |
| FUND 2602 Total | | | | | | | | | | | | 6,695,858,000 | 6,729,416,278 | 17,422,354 | 27,510,286 | 12,792,024 | 5,906,835 | 69,554 | 6,736,374,959 |
| FUND 2605 | T-NOTE-MID | 522995 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 402,344 | - | - | - | 402,344 | - | - |
| FUND 2605 | T-NOTE-MID | 522996 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 402,344 | - | - | - | 402,344 | - | - |
| FUND 2605 | T-NOTE-MID | 522997 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 402,344 | - | - | - | 402,344 | - | - |
| FUND 2605 | T-NOTE-MID | 522998 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 402,344 | - | - | - | 402,344 | - | - |
| FUND 2605 | T-NOTE-MID | 522999 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 402,344 | - | - | - | 402,344 | - | - |
| FUND 2605 | T-NOTE-MID | 523000 | BONY | 87 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 165,146 | - | - | - | 165,146 | - | - |
| FUND 2605 | T-NOTE-MID | 522995 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 50,000,000 | 50,000,000 | - | - | 218,750 | - | - | 50,218,750 |
| FUND 2605 | T-NOTE-MID | 522996 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 50,000,000 | 50,000,000 | - | - | 218,750 | - | - | 50,218,750 |
| FUND 2605 | T-NOTE-MID | 522997 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 50,000,000 | 50,000,000 | - | - | 218,750 | - | - | 50,218,750 |
| FUND 2605 | T-NOTE-MID | 522998 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 50,000,000 | 50,000,000 | - | - | 218,750 | - | - | 50,218,750 |
| FUND 2605 | T-NOTE-MID | 522999 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 50,000,000 | 50,000,000 | - | - | 218,750 | - | - | 50,218,750 |
| FUND 2605 | T-NOTE-MID | 523000 | BONY | 87 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 20,523,000 | 20,523,000 | - | - | 89,788 | - | - | 20,612,788 |
| FUND 2605 | T-NOTE-MID | 524933 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2605 | T-NOTE-MID | 524934 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|------------------|---------------|----------------------|
| FUND 2605 | T-NOTE-MID | 524935 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 2605 | T-NOTE-EOM | 524936 | BONY | 87 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 46,548,000 | 46,701,348 | 153,348 | 216,988 | - | - | - | 46,701,348 |
| FUND 2605 | T-NOTE-MID | 525048 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 5/22/2019 | Purchased | 1 | 2.405 | 50,000,000 | 49,675,527 | 324,474 | 9,511 | - | - | - | 49,675,527 |
| FUND 2605 | T-NOTE-MID | 525049 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 5/22/2019 | Purchased | 1 | 2.405 | 50,000,000 | 49,675,527 | 324,474 | 9,511 | - | - | - | 49,675,527 |
| FUND 2605 | T-NOTE-MID | 525050 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 5/22/2019 | Purchased | 1 | 2.405 | 1,000 | 994 | 6 | 0 | - | - | - | 994 |
| FUND 2605 | T-NOTE-MID | 525051 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 5/22/2019 | Purchased | 1 | 2.405 | 50,000,000 | 49,675,527 | 324,474 | 9,511 | - | - | - | 49,675,527 |
| FUND 2605 | T-NOTE-EOM | 524936 | BONY | 87 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 63,640 | - | - | - | 63,640 | - | - |
| FUND 2605 | T-NOTE-EOM | 524936 | BONY | 87 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 46,548,000 | 46,764,988 | - | 216,988 | 73,937 | - | - | 46,838,925 |
| FUND 2605 | T-NOTE-MID | 525490 | BONY | 87 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 46,414,000 | 46,838,884 | 424,884 | 200,066 | - | - | - | 46,838,884 |
| FUND 2605 | T-NOTE-MID | 525929 | BONY | 87 | CANT | 8/9/2019 | 11/15/2019 | 8/9/2019 | Purchased | 1 | 1.958 | 8,792,000 | 8,790,223 | 1,777 | 20,547 | - | - | - | 8,790,223 |
| FUND 2605 | T-NOTE-MID | 526254 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 9/6/2019 | Purchased | 1 | 1.948 | 50,000,000 | 50,065,048 | 65,048 | 154,891 | - | - | - | 50,065,048 |
| FUND 2605 | T-NOTE-MID | 526255 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 9/6/2019 | Purchased | 1 | 1.948 | 50,000,000 | 50,065,048 | 65,048 | 154,891 | - | - | - | 50,065,048 |
| FUND 2605 | T-NOTE-MID | 526256 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 9/6/2019 | Purchased | 1 | 1.948 | 49,112,000 | 49,175,892 | 63,892 | 152,140 | - | - | - | 49,175,892 |
| FUND 2605 | T-NOTE-MID | 524933 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2605 | T-NOTE-MID | 524934 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2605 | T-NOTE-MID | 524935 | BONY | 87 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 2605 | T-NOTE-MID | 525048 | BONY | 87 | - | 5/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.405 | - | 333,984 | - | - | - | 333,984 | - | - |
| FUND 2605 | T-NOTE-MID | 525049 | BONY | 87 | - | 5/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.405 | - | 333,984 | - | - | - | 333,984 | - | - |
| FUND 2605 | T-NOTE-MID | 525050 | BONY | 87 | - | 5/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.405 | - | 7 | - | - | - | 7 | - | - |
| FUND 2605 | T-NOTE-MID | 525051 | BONY | 87 | - | 5/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.405 | - | 333,984 | - | - | - | 333,984 | - | - |
| FUND 2605 | T-NOTE-MID | 525490 | BONY | 87 | - | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 224,818 | - | - | - | 224,818 | - | - |
| FUND 2605 | T-NOTE-MID | 525929 | BONY | 87 | - | 8/9/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.958 | - | 22,323 | - | - | - | 22,323 | - | - |
| FUND 2605 | T-NOTE-MID | 526254 | BONY | 87 | - | 9/6/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.948 | - | 89,844 | - | - | - | 89,844 | - | - |
| FUND 2605 | T-NOTE-MID | 526255 | BONY | 87 | - | 9/6/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.948 | - | 89,844 | - | - | - | 89,844 | - | - |
| FUND 2605 | T-NOTE-MID | 526256 | BONY | 87 | - | 9/6/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.948 | - | 88,248 | - | - | - | 88,248 | - | - |
| FUND 2605 | T-NOTE-MID | 524933 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2605 | T-NOTE-MID | 524934 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2605 | T-NOTE-MID | 524935 | BONY | 87 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 2605 | T-NOTE-MID | 525048 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.405 | 50,000,000 | 50,009,511 | - | 9,511 | 240,489 | - | - | 50,250,000 |
| FUND 2605 | T-NOTE-MID | 525049 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.405 | 50,000,000 | 50,009,511 | - | 9,511 | 240,489 | - | - | 50,250,000 |
| FUND 2605 | T-NOTE-MID | 525050 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.405 | 1,000 | 1,000 | - | 0 | 5 | - | - | 1,005 |
| FUND 2605 | T-NOTE-MID | 525051 | BONY | 87 | MERIL | 5/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.405 | 50,000,000 | 50,009,511 | - | 9,511 | 240,489 | - | - | 50,250,000 |
| FUND 2605 | T-NOTE-MID | 525490 | BONY | 87 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 46,414,000 | 46,614,066 | - | 200,066 | 583,170 | - | - | 47,197,236 |
| FUND 2605 | T-NOTE-MID | 525929 | BONY | 87 | CANT | 8/9/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.958 | 8,792,000 | 8,812,547 | - | 20,547 | 23,413 | - | - | 8,835,960 |
| FUND 2605 | T-NOTE-MID | 526254 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.948 | 50,000,000 | 50,154,891 | - | 154,891 | 95,109 | - | - | 50,250,000 |
| FUND 2605 | T-NOTE-MID | 526255 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.948 | 50,000,000 | 50,154,891 | - | 154,891 | 95,109 | - | - | 50,250,000 |
| FUND 2605 | T-NOTE-MID | 526256 | BONY | 87 | DAIWA | 9/6/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.948 | 49,112,000 | 49,264,140 | - | 152,140 | 93,420 | - | - | 49,357,560 |
| FUND 2605 | T-NOTE-MID | 527016 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527017 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527018 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527019 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527020 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527021 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527022 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527023 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 2605 | T-NOTE-MID | 527024 | BONY | 87 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 13,175,000 | 13,171,397 | 3,603 | - | - | - | - | 13,171,397 |
| FUND 2605 | T-NOTE-MID | 527343 | BONY | 87 | DAIWA | 12/10/2019 | 5/15/2020 | 12/10/2019 | Purchased | 1.5 | 1.554 | 29,282,000 | 29,305,304 | 23,304 | 30,167 | - | - | - | 29,305,304 |
| FUND 2605 Total | | | | | | | | | | | | 1,814,714,000 | 1,820,501,471 | 2,580,970 | 1,886,280 | 5,400,418 | 4,454,807 | - | 1,821,447,082 |
| FUND 2606 | T-BILL | 523413 | BONY | 85 | RBC | 10/10/2018 | 2/7/2019 | 1/9/2019 | Partial Sale | 2.24 | 2.257 | 2,954,000 | 2,931,943 | 22,057 | - | 16,726 | - | 250 | 2,948,420 |
| FUND 2606 | FHLB NOTES | 523820 | BONY | 85 | RBC | 2/1/2019 | 2/6/2019 | 2/1/2019 | Purchased | 2.3 | 2.301 | 7,502,000 | 7,499,604 | 2,396 | - | - | - | - | 7,499,604 |
| FUND 2606 | FHLB NOTES | 523820 | BONY | 85 | RBC | 2/1/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.3 | 2.301 | 7,502,000 | 7,499,604 | - | - | 2,396 | - | - | 7,502,000 |
| FUND 2606 | T-NOTE-MID | 523858 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2606 | T-NOTE-MID | 523859 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2606 | T-NOTE-MID | 523860 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2606 | T-NOTE-MID | 523861 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2606 | T-NOTE-MID | 523862 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2606 | T-NOTE-MID | 523863 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/6/2019 | Purchased | 0.75 | 1.229 | 50,000,000 | 50,172,469 | 172,469 | 178,329 | - | - | - | 50,172,469 |
| FUND 2606 | T-BILL | 523864 | BONY | 85 | DAIWA | 2/6/2019 | 3/7/2019 | 2/6/2019 | Purchased | 2.34 | 2.344 | 50,000,000 | 49,905,750 | 94,250 | - | - | - | - | 49,905,750 |
| FUND 2606 | T-BILL | 523865 | BONY | 85 | DAIWA | 2/6/2019 | 3/7/2019 | 2/6/2019 | Purchased | 2.34 | 2.344 | 50,000,000 | 49,905,750 | 94,250 | - | - | - | - | 49,905,750 |
| FUND 2606 | T-BILL | 523866 | BONY | 85 | DAIWA | 2/6/2019 | 3/21/2019 | 2/6/2019 | Purchased | 2.345 | 2.352 | 50,000,000 | 49,859,951 | 140,049 | - | - | - | - | 49,859,951 |
| FUND 2606 | T-BILL | 523867 | BONY | 85 | DAIWA | 2/6/2019 | 3/21/2019 | 2/6/2019 | Purchased | 2.345 | 2.352 | 50,000,000 | 49,859,951 | 140,049 | - | - | - | - | 49,859,951 |
| FUND 2606 | T-BILL | 523868 | BONY | 85 | MERIL | 2/6/2019 | 4/2/2019 | 2/6/2019 | Purchased | 2.35 | 2.358 | 50,000,000 | 49,820,486 | 179,514 | - | - | - | - | 49,820,486 |
| FUND 2606 | T-BILL | 523869 | BONY | 85 | MERIL | 2/6/2019 | 4/2/2019 | 2/6/2019 | Purchased | 2.35 | 2.358 | 50,000,000 | 49,820,486 | 179,514 | - | - | - | - | 49,820,486 |
| FUND 2606 | T-BILL | 523870 | BONY | 85 | MERIL | 2/6/2019 | 4/2/2019 | 2/6/2019 | Purchased | 2.35 | 2.358 | 50,000,000 | 49,820,486 | 179,514 | - | - | - | - | 49,820,486 |
| FUND 2606 | T-BILL | 523871 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 2/6/2019 | Purchased | 2.345 | 2.356 | 50,000,000 | 49,768,757 | 231,243 | - | - | - | - | 49,768,757 |
| FUND 2606 | T-BILL | 523872 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 2/6/2019 | Purchased | 2.345 | 2.356 | 14,498,000 | 14,430,949 | 67,051 | - | - | - | - | 14,430,949 |
| FUND 2606 | T-BILL | 523873 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 2/6/2019 | Purchased | 2.345 | 2.356 | 50,000,000 | 49,768,757 | 231,243 | - | - | - | - | 49,768,757 |
| FUND 2606 | T-BILL | 523302 | BONY | 85 | RBC | 10/10/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.24 | 2.257 | 8,405,000 | 8,342,243 | - | - | 62,757 | - | - | 8,405,000 |
| FUND 2606 | T-BILL | 523480 | BONY | 85 | RBC | 10/10/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.24 | 2.257 | 1,705,000 | 1,692,269 | - | - | 12,731 | - | - | 1,705,000 |
| FUND 2606 | T-BILL | 523566 | BONY | 85 | RBC | 10/10/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.24 | 2.257 | 3,286,000 | 3,261,465 | - | - | 24,535 | - | - | 3,286,000 |
| FUND 2606 | T-BILL | 523908 | BONY | 85 | DAIWA | 2/7/2019 | 2/26/2019 | 2/7/2019 | Purchased | 2.335 | 2.338 | 13,413,000 | 13,396,470 | 16,530 | - | - | - | - | 13,396,470 |
| FUND 2606 | T-NOTE-MID | 523858 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/13/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 4,557 | - | - | - | 4,557 | - | - |
| FUND 2606 | T-NOTE-MID | 523859 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/13/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 4,557 | - | - | - | 4,557 | - | - |
| FUND 2606 | T-NOTE-MID | 523860 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/13/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 4,557 | - | - | - | 4,557 | - | - |
| FUND 2606 | T-NOTE-MID | 523861 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/13/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 4,557 | - | - | - | 4,557 | - | - |
| FUND 2606 | T-NOTE-MID | 523862 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/13/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 861 | - | - | - | 861 | - | - |
| FUND 2606 | T-NOTE-MID | 523858 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/13/2019 | Final Sale | 0.75 | 1.229 | 50,000,000 | 50,177,027 | 177,027 | 178,329 | 7,133 | - | 4,557 | 50,179,603 |
| FUND 2606 | T-NOTE-MID | 523859 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/13/2019 | Final Sale | 0.75 | 1.229 | 50,000,000 | 50,177,027 | 177,027 | 178,329 | 7,133 | - | 4,557 | 50,179,603 |
| FUND 2606 | T-NOTE-MID | 523860 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/13/2019 | Final Sale | 0.75 | 1.229 | 50,000,000 | 50,177,027 | 177,027 | 178,329 | 7,133 | - | 4,557 | 50,179,603 |
| FUND 2606 | T-NOTE-MID | 523861 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/13/2019 | Final Sale | 0.75 | 1.229 | 50,000,000 | 50,177,027 | 177,027 | 178,329 | 7,133 | - | 4,557 | 50,179,603 |
| FUND 2606 | T-NOTE-MID | 523862 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/13/2019 | Partial Sale | 0.75 | 1.229 | 9,448,000 | 9,481,451 | 33,451 | 33,697 | 1,348 | - | 861 | 9,481,938 |
| FUND 2606 | T-NOTE-MID | 523863 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 5,859 | - | - | - | 5,859 | - | - |
| FUND 2606 | T-NOTE-MID | 523992 | BONY | 85 | - | 2/6/2019 | 2/15/2019 | 2/15/2019 | Amort/(Accr) | 0.75 | 1.229 | - | 4,752 | - | - | - | 4,752 | - | - |
| FUND 2606 | T-NOTE-MID | 523863 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 50,000,000 | 50,178,329 | - | 178,329 | 9,171 | - | - | 50,187,500 |
| FUND 2606 | T-NOTE-MID | 523992 | BONY | 85 | DAIWA | 2/6/2019 | 2/15/2019 | 2/15/2019 | Matured | 0.75 | 1.229 | 40,552,000 | 40,696,632 | - | 144,632 | 7,438 | - | - | 40,704,070 |
| FUND 2606 | T-BILL | 524024 | BONY | 85 | DAIWA | 2/15/2019 | 3/7/2019 | 2/15/2019 | Purchased | 2.36 | 2.363 | 305,000 | 304,600 | 400 | - | - | - | - | 304,600 |
| FUND 2606 | T-BILL | 523864 | BONY | 85 | RBC | 2/6/2019 | 3/7/2019 | 2/21/2019 | Final Sale | 2.34 | 2.344 | 50,000,000 | 49,905,750 | 94,250 | - | 48,750 | - | 194 | 49,954,306 |
| FUND 2606 | T-BILL | 523865 | BONY | 85 | RBC | 2/6/2019 | 3/7/2019 | 2/21/2019 | Partial Sale | 2.34 | 2.344 | 9,996,000 | 9,977,158 | 18,842 | - | 9,746 | - | 39 | 9,986,865 |
| FUND 2606 | T-BILL | 524082 | BONY | 85 | DAIWA | 2/6/2019 | 3/7/2019 | 2/22/2019 | Partial Sale | 2.34 | 2.344 | 7,029,000 | 7,015,750 | 13,250 | - | 7,310 | - | 25 | 7,023,035 |
| FUND 2606 | T-BILL | 523908 | BONY | 85 | DAIWA | 2/7/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.335 | 2.338 | 13,413,000 | 13,396,470 | - | - | 16,530 | - | - | 13,413,000 |
| FUND 2606 | COMM PAPER | 524120 | BONY | 85 | RBC | 2/26/2019 | 2/28/2019 | 2/26/2019 | Purchased | 2.36 | 2.36 | 13,415,000 | 13,413,241 | 1,759 | - | - | - | - | 13,413,241 |
| FUND 2606 | T-BILL | 523867 | BONY | 85 | DAIWA | 2/6/2019 | 3/21/2019 | 2/27/2019 | Final Sale | 2.345 | 2.352 | 50,000,000 | 49,859,951 | 140,049 | - | 68,396 | - | 153 | 49,928,194 |
| FUND 2606 | T-BILL | 523866 | BONY | 85 | DAIWA | 2/6/2019 | 3/21/2019 | 2/27/2019 | Partial Sale | 2.345 | 2.352 | 33,651,000 | 33,556,744 | 94,256 | - | 46,032 | - | 103 | 33,602,673 |
| FUND 2606 | COMM PAPER | 524120 | BONY | 85 | RBC | 2/26/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.36 | 2.36 | 13,415,000 | 13,413,241 | - | - | 1,759 | - | - | 13,415,000 |
| FUND 2606 | T-BILL | 524147 | BONY | 85 | BOFAB | 2/28/2019 | 3/7/2019 | 2/28/2019 | Purchased | 2.335 | 2.336 | 13,421,000 | 13,414,906 | 6,094 | - | - | - | - | 13,414,906 |
| FUND 2606 | T-BILL | 524147 | BONY | 85 | MERIL | 2/28/2019 | 3/7/2019 | 3/4/2019 | Partial Sale | 2.335 | 2.336 | 12,353,000 | 12,347,391 | 5,609 | - | 3,205 | - | 36 | 12,350,632 |
| FUND 2606 | T-BILL | 524024 | BONY | 85 | DAIWA | 2/15/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.36 | 2.363 | 305,000 | 304,600 | - | - | 400 | - | - | 305,000 |
| FUND 2606 | T-BILL | 524121 | BONY | 85 | DAIWA | 2/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.34 | 2.344 | 32,975,000 | 32,912,842 | - | - | 62,158 | - | - | 32,975,000 |
| FUND 2606 | T-BILL | 524180 | BONY | 85 | BOFAB | 2/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.336 | 1,068,000 | 1,067,515 | - | - | 485 | - | - | 1,068,000 |
| FUND 2606 | T-BILL | 524219 | BONY | 85 | RBC | 3/7/2019 | 4/9/2019 | 3/7/2019 | Purchased | 2.36 | 2.365 | 27,312,000 | 27,252,915 | 59,085 | - | - | - | - | 27,252,915 |
| FUND 2606 | T-BILL | 523870 | BONY | 85 | MERIL | 2/6/2019 | 4/2/2019 | 3/14/2019 | Final Sale | 2.35 | 2.358 | 50,000,000 | 49,820,486 | 179,514 | - | 117,500 | - | 660 | 49,937,326 |
| FUND 2606 | T-BILL | 524135 | BONY | 85 | MERIL | 2/6/2019 | 3/21/2019 | 3/14/2019 | Final Sale | 2.345 | 2.352 | 16,349,000 | 16,303,207 | 45,793 | - | 38,338 | - | 48 | 16,341,498 |
| FUND 2606 | T-BILL | 523869 | BONY | 85 | MERIL | 2/6/2019 | 4/2/2019 | 3/14/2019 | Partial Sale | 2.35 | 2.358 | 24,973,000 | 24,883,340 | 89,660 | - | 58,687 | - | 330 | 24,941,697 |
| FUND 2606 | T-BILL | 523868 | BONY | 85 | DAIWA | 2/6/2019 | 4/2/2019 | 3/21/2019 | Final Sale | 2.35 | 2.358 | 50,000,000 | 49,820,486 | 179,514 | - | 140,347 | - | 833 | 49,960,000 |
| FUND 2606 | T-BILL | 524302 | BONY | 85 | DAIWA | 2/6/2019 | 4/2/2019 | 3/21/2019 | Partial Sale | 2.35 | 2.358 | 5,316,000 | 5,296,914 | 19,086 | - | 14,922 | - | 89 | 5,311,747 |
| FUND 2606 | T-BILL | 524219 | BONY | 85 | RBC | 3/7/2019 | 4/9/2019 | 3/25/2019 | Final Sale | 2.36 | 2.365 | 27,312,000 | 27,252,915 | 59,085 | - | 32,228 | - | 541 | 27,284,603 |
| FUND 2606 | T-BILL | 524393 | BONY | 85 | RBC | 2/6/2019 | 4/2/2019 | 3/25/2019 | Final Sale | 2.35 | 2.358 | 19,711,000 | 19,640,232 | 70,768 | - | 60,474 | - | 164 | 19,700,542 |
| FUND 2606 | T-BILL | 523871 | BONY | 85 | RBC | 2/6/2019 | 4/18/2019 | 3/25/2019 | Partial Sale | 2.345 | 2.356 | 42,330,000 | 42,134,230 | 195,770 | - | 129,594 | - | 1,764 | 42,262,060 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2606 | FHLB NOTES | 524418 | BONY | 85 | DAIWA | 3/25/2019 | 3/28/2019 | 3/25/2019 | Purchased | 2.34 | 2.34 | 27,289,000 | 27,283,679 | 5,321 | - | - | - | - | 27,283,679 |
| FUND 2606 | FHLB NOTES | 524418 | BONY | 85 | DAIWA | 3/25/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.34 | 2.34 | 27,289,000 | 27,283,679 | - | - | 5,321 | - | - | 27,289,000 |
| FUND 2606 | T-BILL | 524448 | BONY | 85 | DAIWA | 3/28/2019 | 4/18/2019 | 3/28/2019 | Purchased | 2.35 | 2.353 | 19,243,000 | 19,216,621 | 26,379 | - | - | - | - | 19,216,621 |
| FUND 2606 | T-BILL | 524448 | BONY | 85 | MERIL | 3/28/2019 | 4/18/2019 | 4/4/2019 | Final Sale | 2.35 | 2.353 | 19,243,000 | 19,216,621 | 26,379 | - | 8,793 | - | 56 | 19,225,358 |
| FUND 2606 | T-BILL | 523872 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 4/4/2019 | Partial Sale | 2.345 | 2.356 | 11,618,000 | 11,564,268 | 53,732 | - | 43,137 | - | 56 | 11,607,349 |
| FUND 2606 | T-BILL | 523873 | BONY | 85 | DAIWA | 2/6/2019 | 4/18/2019 | 4/10/2019 | Partial Sale | 2.345 | 2.356 | 30,708,000 | 30,565,980 | 142,020 | - | 126,018 | - | 34 | 30,691,964 |
| FUND 2606 | T-BILL | 524575 | BONY | 85 | DAIWA | 2/6/2019 | 4/18/2019 | 4/17/2019 | Partial Sale | 2.345 | 2.356 | 15,167,000 | 15,096,855 | 70,145 | - | 69,157 | - | 2 | 15,166,014 |
| FUND 2606 | T-BILL | 524421 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.345 | 2.356 | 7,670,000 | 7,634,527 | - | - | 35,473 | - | - | 7,670,000 |
| FUND 2606 | T-BILL | 524519 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.345 | 2.356 | 2,880,000 | 2,866,680 | - | - | 13,320 | - | - | 2,880,000 |
| FUND 2606 | T-BILL | 524665 | BONY | 85 | MERIL | 2/6/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.345 | 2.356 | 4,125,000 | 4,105,922 | - | - | 19,078 | - | - | 4,125,000 |
| FUND 2606 | T-BILL | 524676 | BONY | 85 | MERIL | 4/18/2019 | 5/21/2019 | 4/18/2019 | Purchased | 2.3 | 2.305 | 14,706,000 | 14,674,995 | 31,005 | - | - | - | - | 14,674,995 |
| FUND 2606 | T-BILL | 524676 | BONY | 85 | DAIWA | 4/18/2019 | 5/21/2019 | 4/22/2019 | Partial Sale | 2.3 | 2.305 | 23,000 | 22,952 | 48 | - | 6 | - | 2 | 22,956 |
| FUND 2606 | T-BILL | 524692 | BONY | 85 | RBC | 4/18/2019 | 5/21/2019 | 4/30/2019 | Partial Sale | 2.3 | 2.305 | 8,000 | 7,983 | 17 | - | 6 | - | 0 | 7,989 |
| FUND 2606 | T-BILL | 524768 | BONY | 85 | BOFAB | 4/18/2019 | 5/21/2019 | 5/2/2019 | Partial Sale | 2.3 | 2.305 | 28,000 | 27,941 | 59 | - | 25 | - | 1 | 27,965 |
| FUND 2606 | T-BILL | 524802 | BONY | 85 | RBC | 4/18/2019 | 5/21/2019 | 5/8/2019 | Partial Sale | 2.3 | 2.305 | 49,000 | 48,897 | 103 | - | 63 | - | 1 | 48,958 |
| FUND 2606 | COMM PAPER | 524878 | BONY | 85 | MERIL | 5/10/2019 | 5/15/2019 | 5/10/2019 | Purchased | 2.33 | 2.331 | 17,657,000 | 17,651,286 | 5,714 | - | - | - | - | 17,651,286 |
| FUND 2606 | COMM PAPER | 524881 | BONY | 85 | MERIL | 5/10/2019 | 5/15/2019 | 5/10/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,983,819 | 16,181 | - | - | - | - | 49,983,819 |
| FUND 2606 | COMM PAPER | 524878 | BONY | 85 | MERIL | 5/10/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.33 | 2.331 | 17,657,000 | 17,651,286 | - | - | 5,714 | - | - | 17,657,000 |
| FUND 2606 | COMM PAPER | 524881 | BONY | 85 | MERIL | 5/10/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,983,819 | - | - | 16,181 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 524921 | BONY | 85 | DAIWA | 5/15/2019 | 5/21/2019 | 5/15/2019 | Purchased | 2.32 | 2.321 | 38,489,000 | 38,474,118 | 14,882 | - | - | - | - | 38,474,118 |
| FUND 2606 | FHLB NOTES | 524951 | BONY | 85 | DAIWA | 5/16/2019 | 5/22/2019 | 5/16/2019 | Purchased | 2.28 | 2.281 | 12,004,000 | 11,999,438 | 4,562 | - | - | - | - | 11,999,438 |
| FUND 2606 | T-BILL | 524848 | BONY | 85 | RBC | 4/18/2019 | 5/21/2019 | 5/20/2019 | Final Sale | 2.3 | 2.305 | 14,598,000 | 14,567,223 | 30,777 | - | 29,845 | - | 8 | 14,597,059 |
| FUND 2606 | T-BILL | 524921 | BONY | 85 | RBC | 5/15/2019 | 5/21/2019 | 5/20/2019 | Partial Sale | 2.32 | 2.321 | 25,945,000 | 25,934,968 | 10,032 | - | 8,360 | - | 0 | 25,943,328 |
| FUND 2606 | T-BILL | 524998 | BONY | 85 | DAIWA | 5/15/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.32 | 2.321 | 12,544,000 | 12,539,150 | - | - | 4,850 | - | - | 12,544,000 |
| FUND 2606 | T-BILL | 525020 | BONY | 85 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 12,556,000 | 12,544,867 | 11,133 | - | - | - | - | 12,544,867 |
| FUND 2606 | FHLB NOTES | 524951 | BONY | 85 | DAIWA | 5/16/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.28 | 2.281 | 12,004,000 | 11,999,438 | - | - | 4,562 | - | - | 12,004,000 |
| FUND 2606 | T-BILL | 525028 | BONY | 85 | MIZUH | 5/22/2019 | 5/28/2019 | 5/22/2019 | Purchased | 2.241 | 2.242 | 50,000,000 | 49,981,325 | 18,675 | - | - | - | - | 49,981,325 |
| FUND 2606 | T-BILL | 525029 | BONY | 85 | MIZUH | 5/22/2019 | 5/28/2019 | 5/22/2019 | Purchased | 2.241 | 2.242 | 50,000,000 | 49,981,325 | 18,675 | - | - | - | - | 49,981,325 |
| FUND 2606 | T-BILL | 525030 | BONY | 85 | MERIL | 5/22/2019 | 6/4/2019 | 5/22/2019 | Purchased | 2.295 | 2.297 | 50,000,000 | 49,958,563 | 41,438 | - | - | - | - | 49,958,563 |
| FUND 2606 | T-BILL | 525031 | BONY | 85 | MERIL | 5/22/2019 | 6/4/2019 | 5/22/2019 | Purchased | 2.295 | 2.297 | 50,000,000 | 49,958,563 | 41,438 | - | - | - | - | 49,958,563 |
| FUND 2606 | T-BILL | 525032 | BONY | 85 | MERIL | 5/22/2019 | 6/11/2019 | 5/22/2019 | Purchased | 2.295 | 2.298 | 50,000,000 | 49,936,250 | 63,750 | - | - | - | - | 49,936,250 |
| FUND 2606 | T-BILL | 525033 | BONY | 85 | MERIL | 5/22/2019 | 6/11/2019 | 5/22/2019 | Purchased | 2.295 | 2.298 | 50,000,000 | 49,936,250 | 63,750 | - | - | - | - | 49,936,250 |
| FUND 2606 | T-BILL | 525034 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 5/22/2019 | Purchased | 2.32 | 2.324 | 50,000,000 | 49,913,000 | 87,000 | - | - | - | - | 49,913,000 |
| FUND 2606 | T-BILL | 525035 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 5/22/2019 | Purchased | 2.32 | 2.324 | 50,000,000 | 49,913,000 | 87,000 | - | - | - | - | 49,913,000 |
| FUND 2606 | T-BILL | 525036 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 5/22/2019 | Purchased | 2.32 | 2.324 | 50,000,000 | 49,913,000 | 87,000 | - | - | - | - | 49,913,000 |
| FUND 2606 | T-BILL | 525037 | BONY | 85 | MIZUH | 5/22/2019 | 6/25/2019 | 5/22/2019 | Purchased | 2.295 | 2.3 | 50,000,000 | 49,891,625 | 108,375 | - | - | - | - | 49,891,625 |
| FUND 2606 | T-BILL | 525038 | BONY | 85 | MIZUH | 5/22/2019 | 6/25/2019 | 5/22/2019 | Purchased | 2.295 | 2.3 | 50,000,000 | 49,891,625 | 108,375 | - | - | - | - | 49,891,625 |
| FUND 2606 | T-BILL | 525039 | BONY | 85 | MIZUH | 5/22/2019 | 7/2/2019 | 5/22/2019 | Purchased | 2.312 | 2.318 | 50,000,000 | 49,868,344 | 131,656 | - | - | - | - | 49,868,344 |
| FUND 2606 | T-BILL | 525040 | BONY | 85 | MIZUH | 5/22/2019 | 7/2/2019 | 5/22/2019 | Purchased | 2.312 | 2.318 | 50,000,000 | 49,868,344 | 131,656 | - | - | - | - | 49,868,344 |
| FUND 2606 | T-BILL | 525041 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 5/22/2019 | Purchased | 2.325 | 2.333 | 50,000,000 | 49,822,396 | 177,604 | - | - | - | - | 49,822,396 |
| FUND 2606 | T-BILL | 525042 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 5/22/2019 | Purchased | 2.325 | 2.333 | 50,000,000 | 49,822,396 | 177,604 | - | - | - | - | 49,822,396 |
| FUND 2606 | T-BILL | 525043 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 5/22/2019 | Purchased | 2.325 | 2.333 | 50,000,000 | 49,822,396 | 177,604 | - | - | - | - | 49,822,396 |
| FUND 2606 | T-BILL | 525044 | BONY | 85 | MIZUH | 5/22/2019 | 8/8/2019 | 5/22/2019 | Purchased | 2.306 | 2.318 | 50,000,000 | 49,750,183 | 249,817 | - | - | - | - | 49,750,183 |
| FUND 2606 | T-BILL | 525045 | BONY | 85 | MIZUH | 5/22/2019 | 8/8/2019 | 5/22/2019 | Purchased | 2.306 | 2.318 | 50,000,000 | 49,750,183 | 249,817 | - | - | - | - | 49,750,183 |
| FUND 2606 | T-BILL | 525046 | BONY | 85 | MIZUH | 5/22/2019 | 8/8/2019 | 5/22/2019 | Purchased | 2.306 | 2.318 | 49,554,000 | 49,306,412 | 247,588 | - | - | - | - | 49,306,412 |
| FUND 2606 | T-BILL | 525063 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 5/22/2019 | Purchased | 2.319 | 2.328 | 3,000 | 2,989 | 11 | - | - | - | - | 2,989 |
| FUND 2606 | T-BILL | 525028 | BONY | 85 | BOFAB | 5/22/2019 | 5/28/2019 | 5/24/2019 | Final Sale | 2.241 | 2.242 | 50,000,000 | 49,981,325 | 18,675 | - | 6,225 | - | 33 | 49,987,583 |
| FUND 2606 | T-BILL | 525029 | BONY | 85 | BOFAB | 5/22/2019 | 5/28/2019 | 5/24/2019 | Partial Sale | 2.241 | 2.242 | 7,280,000 | 7,277,281 | 2,719 | - | 906 | - | 5 | 7,278,192 |
| FUND 2606 | T-BILL | 525100 | BONY | 85 | MIZUH | 5/22/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.241 | 2.242 | 42,720,000 | 42,704,044 | - | - | 15,956 | - | - | 42,720,000 |
| FUND 2606 | T-BILL | 525122 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.26 | 2.261 | 42,739,000 | 42,720,219 | 18,781 | - | - | - | - | 42,720,219 |
| FUND 2606 | T-BILL | 525030 | BONY | 85 | BOFAB | 5/22/2019 | 6/4/2019 | 5/29/2019 | Partial Sale | 2.295 | 2.297 | 46,163,000 | 46,124,742 | 38,258 | - | 20,600 | - | 462 | 46,145,804 |
| FUND 2606 | T-BILL | 525020 | BONY | 85 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 12,556,000 | 12,544,867 | - | - | 11,133 | - | - | 12,556,000 |
| FUND 2606 | T-BILL | 525031 | BONY | 85 | MERIL | 5/22/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.295 | 2.297 | 50,000,000 | 49,958,563 | - | - | 41,438 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525122 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.26 | 2.261 | 42,739,000 | 42,720,219 | - | - | 18,781 | - | - | 42,739,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2606 | T-BILL | 525139 | BONY | 85 | MERIL | 5/22/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.295 | 2.297 | 3,837,000 | 3,833,820 | - | - | 3,180 | - | - | 3,837,000 |
| FUND 2606 | T-BILL | 525211 | BONY | 85 | DAIWA | 6/4/2019 | 8/15/2019 | 6/4/2019 | Purchased | 2.276 | 2.286 | 50,000,000 | 49,772,400 | 227,600 | - | - | - | - | 49,772,400 |
| FUND 2606 | T-BILL | 525212 | BONY | 85 | DAIWA | 6/4/2019 | 8/15/2019 | 6/4/2019 | Purchased | 2.276 | 2.286 | 32,771,000 | 32,621,826 | 149,174 | - | - | - | - | 32,621,826 |
| FUND 2606 | T-BILL | 525032 | BONY | 85 | MERIL | 5/22/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.295 | 2.298 | 50,000,000 | 49,936,250 | - | - | 63,750 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525033 | BONY | 85 | MERIL | 5/22/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.295 | 2.298 | 50,000,000 | 49,936,250 | - | - | 63,750 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525277 | BONY | 85 | DAIWA | 6/11/2019 | 7/25/2019 | 6/11/2019 | Purchased | 2.22 | 2.226 | 43,210,000 | 43,092,757 | 117,243 | - | - | - | - | 43,092,757 |
| FUND 2606 | T-BILL | 525278 | BONY | 85 | DAIWA | 6/11/2019 | 7/25/2019 | 6/11/2019 | Purchased | 2.22 | 2.226 | 50,000,000 | 49,864,333 | 135,667 | - | - | - | - | 49,864,333 |
| FUND 2606 | T-BILL | 525212 | BONY | 85 | DAIWA | 6/4/2019 | 8/15/2019 | 6/13/2019 | Partial Sale | 2.276 | 2.286 | 6,764,000 | 6,733,210 | 30,790 | - | 3,849 | - | 1,491 | 6,738,550 |
| FUND 2606 | T-BILL | 525034 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,913,000 | - | - | 87,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525035 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,913,000 | - | - | 87,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525036 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,913,000 | - | - | 87,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525359 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 6/18/2019 | Purchased | 2.161 | 2.168 | 50,000,000 | 49,831,922 | 168,078 | - | - | - | - | 49,831,922 |
| FUND 2606 | T-BILL | 525360 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 6/18/2019 | Purchased | 2.161 | 2.168 | 50,000,000 | 49,831,922 | 168,078 | - | - | - | - | 49,831,922 |
| FUND 2606 | T-BILL | 525361 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 6/18/2019 | Purchased | 2.161 | 2.168 | 48,934,000 | 48,769,506 | 164,494 | - | - | - | - | 48,769,506 |
| FUND 2606 | T-BILL | 525037 | BONY | 85 | MIZUH | 5/22/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.295 | 2.3 | 50,000,000 | 49,891,625 | - | - | 108,375 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525038 | BONY | 85 | MIZUH | 5/22/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.295 | 2.3 | 50,000,000 | 49,891,625 | - | - | 108,375 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525437 | BONY | 85 | DAIWA | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 1.94 | 1.941 | 26,286,000 | 26,276,084 | 9,916 | - | - | - | - | 26,276,084 |
| FUND 2606 | T-BILL | 525046 | BONY | 85 | CANT | 5/22/2019 | 8/8/2019 | 6/27/2019 | Partial Sale | 2.306 | 2.318 | 25,582,000 | 25,454,184 | 127,816 | - | 58,992 | - | 7,790 | 25,520,966 |
| FUND 2606 | T-BILL | 525039 | BONY | 85 | MIZUH | 5/22/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.312 | 2.318 | 50,000,000 | 49,868,344 | - | - | 131,656 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525040 | BONY | 85 | MIZUH | 5/22/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.312 | 2.318 | 50,000,000 | 49,868,344 | - | - | 131,656 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525437 | BONY | 85 | DAIWA | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 1.94 | 1.941 | 26,286,000 | 26,276,084 | - | - | 9,916 | - | - | 26,286,000 |
| FUND 2606 | T-BILL | 525498 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.097 | 2.098 | 50,000,000 | 49,979,608 | 20,392 | - | - | - | - | 49,979,608 |
| FUND 2606 | T-BILL | 525499 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.097 | 2.098 | 49,896,000 | 49,875,650 | 20,350 | - | - | - | - | 49,875,650 |
| FUND 2606 | T-BILL | 525045 | BONY | 85 | BOFAB | 5/22/2019 | 8/8/2019 | 7/5/2019 | Final Sale | 2.306 | 2.318 | 50,000,000 | 49,750,183 | 249,817 | - | 140,922 | - | 7,603 | 49,898,708 |
| FUND 2606 | T-BILL | 525471 | BONY | 85 | BOFAB | 5/22/2019 | 8/8/2019 | 7/5/2019 | Partial Sale | 2.306 | 2.318 | 12,641,000 | 12,577,841 | 63,159 | - | 35,628 | - | 1,922 | 12,615,391 |
| FUND 2606 | T-BILL | 525498 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.097 | 2.098 | 50,000,000 | 49,979,608 | - | - | 20,392 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525499 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.097 | 2.098 | 49,896,000 | 49,875,650 | - | - | 20,350 | - | - | 49,896,000 |
| FUND 2606 | FHLB NOTES | 525560 | BONY | 85 | CANT | 7/9/2019 | 8/9/2019 | 7/9/2019 | Purchased | 2.2 | 2.204 | 40,000,000 | 39,924,222 | 75,778 | - | - | - | - | 39,924,222 |
| FUND 2606 | T-BILL | 525561 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2606 | T-BILL | 525562 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 10,073,000 | 10,055,901 | 17,099 | - | - | - | - | 10,055,901 |
| FUND 2606 | T-BILL | 525042 | BONY | 85 | RBC | 5/22/2019 | 7/16/2019 | 7/11/2019 | Final Sale | 2.325 | 2.333 | 50,000,000 | 49,822,396 | 177,604 | - | 161,458 | - | 1,736 | 49,985,590 |
| FUND 2606 | T-BILL | 525041 | BONY | 85 | RBC | 5/22/2019 | 7/16/2019 | 7/11/2019 | Partial Sale | 2.325 | 2.333 | 10,306,000 | 10,269,392 | 36,608 | - | 33,280 | - | 358 | 10,303,030 |
| FUND 2606 | T-BILL | 525043 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.325 | 2.333 | 50,000,000 | 49,822,396 | - | - | 177,604 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525063 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.319 | 2.328 | 3,000 | 2,989 | - | - | 11 | - | - | 3,000 |
| FUND 2606 | T-BILL | 525607 | BONY | 85 | DAIWA | 5/22/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.325 | 2.333 | 39,694,000 | 39,553,004 | - | - | 140,996 | - | - | 39,694,000 |
| FUND 2606 | T-BILL | 525644 | BONY | 85 | BOFAB | 7/16/2019 | 9/10/2019 | 7/16/2019 | Purchased | 2.135 | 2.142 | 50,000,000 | 49,833,944 | 166,056 | - | - | - | - | 49,833,944 |
| FUND 2606 | T-BILL | 525645 | BONY | 85 | BOFAB | 7/16/2019 | 9/10/2019 | 7/16/2019 | Purchased | 2.135 | 2.142 | 13,111,000 | 13,067,457 | 43,543 | - | - | - | - | 13,067,457 |
| FUND 2606 | T-BILL | 525644 | BONY | 85 | CANT | 7/16/2019 | 9/10/2019 | 7/18/2019 | Partial Sale | 2.135 | 2.142 | 44,811,000 | 44,662,178 | 148,822 | - | 5,315 | - | 3,025 | 44,670,518 |
| FUND 2606 | T-BILL | 525277 | BONY | 85 | DAIWA | 6/11/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.22 | 2.226 | 43,210,000 | 43,092,757 | - | - | 117,243 | - | - | 43,210,000 |
| FUND 2606 | T-BILL | 525278 | BONY | 85 | DAIWA | 6/11/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.22 | 2.226 | 50,000,000 | 49,864,333 | - | - | 135,667 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525756 | BONY | 85 | BOFAB | 7/25/2019 | 9/10/2019 | 7/25/2019 | Purchased | 2.07 | 2.076 | 49,979,000 | 49,843,932 | 135,068 | - | - | - | - | 49,843,932 |
| FUND 2606 | T-BILL | 525044 | BONY | 85 | BOFAB | 5/22/2019 | 8/8/2019 | 7/30/2019 | Partial Sale | 2.306 | 2.318 | 29,849,000 | 29,699,864 | 149,136 | - | 131,928 | - | 2,283 | 29,834,076 |
| FUND 2606 | T-BILL | 525756 | BONY | 85 | DAIWA | 7/25/2019 | 9/10/2019 | 7/31/2019 | Partial Sale | 2.07 | 2.076 | 24,249,000 | 24,183,467 | 65,533 | - | 8,366 | - | 552 | 24,192,385 |
| FUND 2606 | T-BILL | 525561 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 50,000,000 | 49,915,125 | - | - | 84,875 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525562 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 10,073,000 | 10,055,901 | - | - | 17,099 | - | - | 10,073,000 |
| FUND 2606 | T-BILL | 525855 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 50,000,000 | 49,921,444 | 78,556 | - | - | - | - | 49,921,444 |
| FUND 2606 | T-BILL | 525856 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 10,167,000 | 10,151,027 | 15,973 | - | - | - | - | 10,151,027 |
| FUND 2606 | T-BILL | 525535 | BONY | 85 | MIZUH | 5/22/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.306 | 2.318 | 11,331,000 | 11,274,387 | - | - | 56,613 | - | - | 11,331,000 |
| FUND 2606 | T-BILL | 525802 | BONY | 85 | MIZUH | 5/22/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.306 | 2.318 | 20,151,000 | 20,050,319 | - | - | 100,681 | - | - | 20,151,000 |
| FUND 2606 | T-BILL | 525812 | BONY | 85 | RBC | 7/25/2019 | 9/10/2019 | 8/8/2019 | Partial Sale | 2.07 | 2.076 | 18,995,000 | 18,943,666 | 51,334 | - | 15,291 | - | 1,828 | 18,960,785 |
| FUND 2606 | FHLB NOTES | 525560 | BONY | 85 | CANT | 7/9/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.2 | 2.204 | 40,000,000 | 39,924,222 | - | - | 75,778 | - | - | 40,000,000 |
| FUND 2606 | T-BILL | 525927 | BONY | 85 | CANT | 8/9/2019 | 9/10/2019 | 8/9/2019 | Purchased | 1.985 | 1.989 | 40,071,000 | 40,000,297 | 70,703 | - | - | - | - | 40,000,297 |
| FUND 2606 | T-BILL | 525928 | BONY | 85 | CANT | 8/9/2019 | 9/10/2019 | 8/9/2019 | Purchased | 1.985 | 1.989 | 15,998,000 | 15,969,772 | 28,228 | - | - | - | - | 15,969,772 |
| FUND 2606 | T-BILL | 525360 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 8/12/2019 | Final Sale | 2.161 | 2.168 | 50,000,000 | 49,831,922 | 168,078 | - | 165,076 | - | 223 | 49,997,222 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2606 | T-BILL | 525359 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 8/12/2019 | Partial Sale | 2.161 | 2.168 | 28,099,000 | 28,004,544 | 94,456 | - | 92,770 | - | 126 | 28,097,439 |
| FUND 2606 | T-BILL | 525361 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.161 | 2.168 | 48,934,000 | 48,769,506 | - | - | 164,494 | - | - | 48,934,000 |
| FUND 2606 | T-BILL | 525947 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.161 | 2.168 | 21,901,000 | 21,827,379 | - | - | 73,621 | - | - | 21,901,000 |
| FUND 2606 | COMM PAPER | 525958 | BONY | 85 | MERIL | 8/13/2019 | 8/20/2019 | 8/13/2019 | Purchased | 2.07 | 2.071 | 20,863,000 | 20,854,603 | 8,397 | - | - | - | - | 20,854,603 |
| FUND 2606 | COMM PAPER | 525959 | BONY | 85 | MERIL | 8/13/2019 | 8/20/2019 | 8/13/2019 | Purchased | 2.07 | 2.071 | 50,000,000 | 49,979,875 | 20,125 | - | - | - | - | 49,979,875 |
| FUND 2606 | T-BILL | 525211 | BONY | 85 | DAIWA | 6/4/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.276 | 2.286 | 50,000,000 | 49,772,400 | - | - | 227,600 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525321 | BONY | 85 | DAIWA | 6/4/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.276 | 2.286 | 26,007,000 | 25,888,616 | - | - | 118,384 | - | - | 26,007,000 |
| FUND 2606 | T-BILL | 525995 | BONY | 85 | CANT | 8/15/2019 | 8/22/2019 | 8/15/2019 | Purchased | 1.82 | 1.821 | 50,000,000 | 49,982,306 | 17,694 | - | - | - | - | 49,982,306 |
| FUND 2606 | T-BILL | 525996 | BONY | 85 | CANT | 8/15/2019 | 8/22/2019 | 8/15/2019 | Purchased | 1.82 | 1.821 | 2,335,000 | 2,334,174 | 826 | - | - | - | - | 2,334,174 |
| FUND 2606 | COMM PAPER | 525958 | BONY | 85 | MERIL | 8/13/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.07 | 2.071 | 20,863,000 | 20,854,603 | - | - | 8,397 | - | - | 20,863,000 |
| FUND 2606 | COMM PAPER | 525959 | BONY | 85 | MERIL | 8/13/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.07 | 2.071 | 50,000,000 | 49,979,875 | - | - | 20,125 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526046 | BONY | 85 | DAIWA | 8/20/2019 | 9/17/2019 | 8/20/2019 | Purchased | 2.015 | 2.018 | 42,277,000 | 42,210,743 | 66,257 | - | - | - | - | 42,210,743 |
| FUND 2606 | T-BILL | 525995 | BONY | 85 | CANT | 8/15/2019 | 8/22/2019 | 8/22/2019 | Matured | 1.82 | 1.821 | 50,000,000 | 49,982,306 | - | - | 17,694 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 525996 | BONY | 85 | CANT | 8/15/2019 | 8/22/2019 | 8/22/2019 | Matured | 1.82 | 1.821 | 2,335,000 | 2,334,174 | - | - | 826 | - | - | 2,335,000 |
| FUND 2606 | T-BILL | 526092 | BONY | 85 | MERIL | 8/22/2019 | 9/17/2019 | 8/22/2019 | Purchased | 2 | 2.003 | 18,330,000 | 18,303,523 | 26,477 | - | - | - | - | 18,303,523 |
| FUND 2606 | T-BILL | 525855 | BONY | 85 | CANT | 8/6/2019 | 9/3/2019 | 8/29/2019 | Final Sale | 2.02 | 2.023 | 50,000,000 | 49,921,444 | 78,556 | - | 64,528 | - | 139 | 49,986,111 |
| FUND 2606 | T-BILL | 525856 | BONY | 85 | CANT | 8/6/2019 | 9/3/2019 | 8/29/2019 | Partial Sale | 2.02 | 2.023 | 2,405,000 | 2,401,221 | 3,779 | - | 3,104 | - | 7 | 2,404,332 |
| FUND 2606 | T-BILL | 526163 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.02 | 2.023 | 7,762,000 | 7,749,805 | - | - | 12,195 | - | - | 7,762,000 |
| FUND 2606 | T-BILL | 526180 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 7,762,000 | 7,761,414 | 586 | - | - | - | - | 7,761,414 |
| FUND 2606 | COMM PAPER | 526200 | BONY | 85 | CANT | 9/4/2019 | 9/6/2019 | 9/4/2019 | Purchased | 2.09 | 2.09 | 10,001,000 | 9,999,839 | 1,161 | - | - | - | - | 9,999,839 |
| FUND 2606 | T-BILL | 526180 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 7,762,000 | 7,761,414 | - | - | 586 | - | - | 7,762,000 |
| FUND 2606 | T-BILL | 525927 | BONY | 85 | BOFAB | 8/9/2019 | 9/10/2019 | 9/5/2019 | Partial Sale | 1.985 | 1.989 | 19,926,000 | 19,890,842 | 35,158 | - | 29,665 | - | 97 | 19,920,410 |
| FUND 2606 | COMM PAPER | 526200 | BONY | 85 | CANT | 9/4/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.09 | 2.09 | 10,001,000 | 9,999,839 | - | - | 1,161 | - | - | 10,001,000 |
| FUND 2606 | T-BILL | 526234 | BONY | 85 | BOFAB | 9/6/2019 | 9/17/2019 | 9/6/2019 | Purchased | 2.005 | 2.006 | 50,000,000 | 49,969,368 | 30,632 | - | - | - | - | 49,969,368 |
| FUND 2606 | T-BILL | 526235 | BONY | 85 | BOFAB | 9/6/2019 | 9/17/2019 | 9/6/2019 | Purchased | 2.005 | 2.006 | 50,000,000 | 49,969,368 | 30,632 | - | - | - | - | 49,969,368 |
| FUND 2606 | T-BILL | 526236 | BONY | 85 | BOFAB | 9/6/2019 | 9/24/2019 | 9/6/2019 | Purchased | 2 | 2.002 | 50,000,000 | 49,950,000 | 50,000 | - | - | - | - | 49,950,000 |
| FUND 2606 | T-BILL | 526237 | BONY | 85 | BOFAB | 9/6/2019 | 9/24/2019 | 9/6/2019 | Purchased | 2 | 2.002 | 50,000,000 | 49,950,000 | 50,000 | - | - | - | - | 49,950,000 |
| FUND 2606 | T-BILL | 526238 | BONY | 85 | CANT | 9/6/2019 | 10/1/2019 | 9/6/2019 | Purchased | 1.995 | 1.998 | 50,000,000 | 49,930,729 | 69,271 | - | - | - | - | 49,930,729 |
| FUND 2606 | T-BILL | 526239 | BONY | 85 | CANT | 9/6/2019 | 10/1/2019 | 9/6/2019 | Purchased | 1.995 | 1.998 | 50,000,000 | 49,930,729 | 69,271 | - | - | - | - | 49,930,729 |
| FUND 2606 | T-BILL | 526240 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 9/6/2019 | Purchased | 1.955 | 1.958 | 50,000,000 | 49,913,111 | 86,889 | - | - | - | - | 49,913,111 |
| FUND 2606 | T-BILL | 526241 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 9/6/2019 | Purchased | 1.955 | 1.958 | 50,000,000 | 49,913,111 | 86,889 | - | - | - | - | 49,913,111 |
| FUND 2606 | T-BILL | 526242 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 9/6/2019 | Purchased | 1.955 | 1.958 | 50,000,000 | 49,913,111 | 86,889 | - | - | - | - | 49,913,111 |
| FUND 2606 | T-BILL | 526243 | BONY | 85 | DAIWA | 9/6/2019 | 10/15/2019 | 9/6/2019 | Purchased | 1.97 | 1.974 | 50,000,000 | 49,893,292 | 106,708 | - | - | - | - | 49,893,292 |
| FUND 2606 | T-BILL | 526244 | BONY | 85 | DAIWA | 9/6/2019 | 10/15/2019 | 9/6/2019 | Purchased | 1.97 | 1.974 | 50,000,000 | 49,893,292 | 106,708 | - | - | - | - | 49,893,292 |
| FUND 2606 | T-BILL | 526245 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 9/6/2019 | Purchased | 1.92 | 1.925 | 50,000,000 | 49,872,000 | 128,000 | - | - | - | - | 49,872,000 |
| FUND 2606 | T-BILL | 526246 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 9/6/2019 | Purchased | 1.92 | 1.925 | 50,000,000 | 49,872,000 | 128,000 | - | - | - | - | 49,872,000 |
| FUND 2606 | T-BILL | 526247 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 9/6/2019 | Purchased | 1.92 | 1.925 | 50,000,000 | 49,872,000 | 128,000 | - | - | - | - | 49,872,000 |
| FUND 2606 | T-BILL | 526248 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 9/6/2019 | Purchased | 1.915 | 1.921 | 50,000,000 | 49,835,097 | 164,903 | - | - | - | - | 49,835,097 |
| FUND 2606 | T-BILL | 526249 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 9/6/2019 | Purchased | 1.915 | 1.921 | 50,000,000 | 49,835,097 | 164,903 | - | - | - | - | 49,835,097 |
| FUND 2606 | T-BILL | 526250 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 9/6/2019 | Purchased | 1.915 | 1.921 | 50,000,000 | 49,835,097 | 164,903 | - | - | - | - | 49,835,097 |
| FUND 2606 | T-BILL | 526251 | BONY | 85 | CANT | 9/6/2019 | 12/12/2019 | 9/6/2019 | Purchased | 1.865 | 1.874 | 50,000,000 | 49,748,743 | 251,257 | - | - | - | - | 49,748,743 |
| FUND 2606 | T-BILL | 526252 | BONY | 85 | CANT | 9/6/2019 | 12/12/2019 | 9/6/2019 | Purchased | 1.865 | 1.874 | 50,000,000 | 49,748,743 | 251,257 | - | - | - | - | 49,748,743 |
| FUND 2606 | T-BILL | 526253 | BONY | 85 | CANT | 9/6/2019 | 12/12/2019 | 9/6/2019 | Purchased | 1.865 | 1.874 | 10,012,000 | 9,961,688 | 50,312 | - | - | - | - | 9,961,688 |
| FUND 2606 | T-BILL | 525645 | BONY | 85 | BOFAB | 7/16/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.135 | 2.142 | 13,111,000 | 13,067,457 | - | - | 43,543 | - | - | 13,111,000 |
| FUND 2606 | T-BILL | 525691 | BONY | 85 | BOFAB | 7/16/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.135 | 2.142 | 5,189,000 | 5,171,767 | - | - | 17,233 | - | - | 5,189,000 |
| FUND 2606 | T-BILL | 525904 | BONY | 85 | BOFAB | 7/25/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.07 | 2.076 | 6,735,000 | 6,716,799 | - | - | 18,201 | - | - | 6,735,000 |
| FUND 2606 | T-BILL | 525928 | BONY | 85 | CANT | 8/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 1.985 | 1.989 | 15,998,000 | 15,969,772 | - | - | 28,228 | - | - | 15,998,000 |
| FUND 2606 | T-BILL | 526225 | BONY | 85 | CANT | 8/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 1.985 | 1.989 | 20,145,000 | 20,109,455 | - | - | 35,545 | - | - | 20,145,000 |
| FUND 2606 | T-BILL | 526297 | BONY | 85 | BOFAB | 9/10/2019 | 1/23/2020 | 9/10/2019 | Purchased | 1.821 | 1.834 | 21,910,000 | 21,760,382 | 149,618 | - | - | - | - | 21,760,382 |
| FUND 2606 | T-BILL | 526046 | BONY | 85 | BOFAB | 8/20/2019 | 9/17/2019 | 9/13/2019 | Final Sale | 2.015 | 2.018 | 42,277,000 | 42,210,743 | 66,257 | - | 56,792 | - | 117 | 42,267,417 |
| FUND 2606 | T-BILL | 526234 | BONY | 85 | BOFAB | 9/6/2019 | 9/17/2019 | 9/13/2019 | Partial Sale | 2.005 | 2.006 | 25,138,000 | 25,122,599 | 15,401 | - | 9,800 | - | 98 | 25,132,302 |
| FUND 2606 | T-BILL | 526092 | BONY | 85 | MERIL | 8/22/2019 | 9/17/2019 | 9/17/2019 | Matured | 2 | 2.003 | 18,330,000 | 18,303,523 | - | - | 26,477 | - | - | 18,330,000 |
| FUND 2606 | T-BILL | 526235 | BONY | 85 | BOFAB | 9/6/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.005 | 2.006 | 50,000,000 | 49,969,368 | - | - | 30,632 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526345 | BONY | 85 | BOFAB | 9/6/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.005 | 2.006 | 24,862,000 | 24,846,769 | - | - | 15,231 | - | - | 24,862,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2606 | T-BILL | 526370 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/17/2019 | Purchased | 2.01 | 2.011 | 43,009,000 | 42,992,191 | 16,809 | - | - | - | - | 42,992,191 |
| FUND 2606 | T-BILL | 526248 | BONY | 85 | CANT | 9/6/2019 | 11/7/2019 | 9/19/2019 | Partial Sale | 1.915 | 1.921 | 27,290,000 | 27,199,996 | 90,004 | - | 18,872 | - | 371 | 27,218,496 |
| FUND 2606 | T-BILL | 526236 | BONY | 85 | BOFAB | 9/6/2019 | 9/24/2019 | 9/24/2019 | Matured | 2 | 2.002 | 50,000,000 | 49,950,000 | - | - | 50,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526237 | BONY | 85 | BOFAB | 9/6/2019 | 9/24/2019 | 9/24/2019 | Matured | 2 | 2.002 | 50,000,000 | 49,950,000 | - | - | 50,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526370 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.01 | 2.011 | 43,009,000 | 42,992,191 | - | - | 16,809 | - | - | 43,009,000 |
| FUND 2606 | T-BILL | 526442 | BONY | 85 | CANT | 9/24/2019 | 1/9/2020 | 9/24/2019 | Purchased | 1.828 | 1.837 | 50,000,000 | 49,728,413 | 271,587 | - | - | - | - | 49,728,413 |
| FUND 2606 | T-BILL | 526443 | BONY | 85 | CANT | 9/24/2019 | 1/9/2020 | 9/24/2019 | Purchased | 1.828 | 1.837 | 50,000,000 | 49,728,413 | 271,587 | - | - | - | - | 49,728,413 |
| FUND 2606 | T-BILL | 526444 | BONY | 85 | CANT | 9/24/2019 | 1/9/2020 | 9/24/2019 | Purchased | 1.828 | 1.837 | 16,973,000 | 16,880,807 | 92,193 | - | - | - | - | 16,880,807 |
| FUND 2606 | T-BILL | 526239 | BONY | 85 | DAIWA | 9/6/2019 | 10/1/2019 | 9/30/2019 | Final Sale | 1.995 | 1.998 | 50,000,000 | 49,930,729 | 69,271 | - | 66,500 | - | 271 | 49,997,500 |
| FUND 2606 | T-BILL | 526238 | BONY | 85 | DAIWA | 9/6/2019 | 10/1/2019 | 9/30/2019 | Partial Sale | 1.995 | 1.998 | 23,151,000 | 23,118,926 | 32,074 | - | 30,791 | - | 125 | 23,149,842 |
| FUND 2606 | T-BILL | 526515 | BONY | 85 | CANT | 9/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.995 | 1.998 | 26,849,000 | 26,811,803 | - | - | 37,197 | - | - | 26,849,000 |
| FUND 2606 | T-BILL | 526523 | BONY | 85 | DAIWA | 10/1/2019 | 1/23/2020 | 10/1/2019 | Purchased | 1.76 | 1.77 | 26,999,000 | 26,848,526 | 150,474 | - | - | - | - | 26,848,526 |
| FUND 2606 | T-BILL | 526523 | BONY | 85 | DAIWA | 10/1/2019 | 1/23/2020 | 10/3/2019 | Partial Sale | 1.76 | 1.77 | 12,907,000 | 12,835,065 | 71,935 | - | 1,262 | - | 3,012 | 12,839,339 |
| FUND 2606 | T-BILL | 526240 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.955 | 1.958 | 50,000,000 | 49,913,111 | - | - | 86,889 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526241 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.955 | 1.958 | 50,000,000 | 49,913,111 | - | - | 86,889 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526242 | BONY | 85 | BOFAB | 9/6/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.955 | 1.958 | 50,000,000 | 49,913,111 | - | - | 86,889 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526604 | BONY | 85 | DAIWA | 10/8/2019 | 11/19/2019 | 10/8/2019 | Purchased | 1.67 | 1.673 | 50,000,000 | 49,902,583 | 97,417 | - | - | - | - | 49,902,583 |
| FUND 2606 | T-BILL | 526605 | BONY | 85 | DAIWA | 10/8/2019 | 11/19/2019 | 10/8/2019 | Purchased | 1.67 | 1.673 | 17,568,000 | 17,533,772 | 34,228 | - | - | - | - | 17,533,772 |
| FUND 2606 | T-BILL | 526244 | BONY | 85 | BOFAB | 9/6/2019 | 10/15/2019 | 10/10/2019 | Partial Sale | 1.97 | 1.974 | 33,706,000 | 33,634,066 | 71,934 | - | 62,712 | - | 1,264 | 33,698,042 |
| FUND 2606 | T-BILL | 526243 | BONY | 85 | DAIWA | 9/6/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.97 | 1.974 | 50,000,000 | 49,893,292 | - | - | 106,708 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526654 | BONY | 85 | DAIWA | 9/6/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.97 | 1.974 | 16,294,000 | 16,259,226 | - | - | 34,774 | - | - | 16,294,000 |
| FUND 2606 | T-BILL | 526246 | BONY | 85 | BOFAB | 9/6/2019 | 10/24/2019 | 10/15/2019 | Partial Sale | 1.92 | 1.925 | 270,000 | 269,309 | 691 | - | 562 | - | 14 | 269,885 |
| FUND 2606 | T-BILL | 526693 | BONY | 85 | BOFAB | 9/6/2019 | 10/24/2019 | 10/17/2019 | Partial Sale | 1.92 | 1.925 | 25,925,000 | 25,858,632 | 66,368 | - | 56,689 | - | 1,210 | 25,916,531 |
| FUND 2606 | T-BILL | 526245 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.92 | 1.925 | 50,000,000 | 49,872,000 | - | - | 128,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526247 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.92 | 1.925 | 50,000,000 | 49,872,000 | - | - | 128,000 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526743 | BONY | 85 | CANT | 9/6/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.92 | 1.925 | 23,805,000 | 23,744,059 | - | - | 60,941 | - | - | 23,805,000 |
| FUND 2606 | T-BILL | 526802 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 10/24/2019 | Purchased | 1.705 | 1.707 | 50,000,000 | 49,938,431 | 61,569 | - | - | - | - | 49,938,431 |
| FUND 2606 | T-BILL | 526803 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 10/24/2019 | Purchased | 1.705 | 1.707 | 49,974,000 | 49,912,463 | 61,537 | - | - | - | - | 49,912,463 |
| FUND 2606 | T-BILL | 526604 | BONY | 85 | BOFAB | 10/8/2019 | 11/19/2019 | 10/31/2019 | Final Sale | 1.67 | 1.673 | 50,000,000 | 49,902,583 | 97,417 | - | 53,347 | - | 1,847 | 49,957,778 |
| FUND 2606 | T-BILL | 526803 | BONY | 85 | BOFAB | 10/24/2019 | 11/19/2019 | 10/31/2019 | Partial Sale | 1.705 | 1.707 | 17,827,000 | 17,805,048 | 21,952 | - | 5,910 | - | 988 | 17,811,946 |
| FUND 2606 | T-BILL | 526859 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 11/5/2019 | Partial Sale | 1.705 | 1.707 | 21,998,000 | 21,970,912 | 27,088 | - | 12,502 | - | 1,625 | 21,985,040 |
| FUND 2606 | T-BILL | 526249 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.915 | 1.921 | 50,000,000 | 49,835,097 | - | - | 164,903 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526250 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.915 | 1.921 | 50,000,000 | 49,835,097 | - | - | 164,903 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 526415 | BONY | 85 | DAIWA | 9/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.915 | 1.921 | 22,710,000 | 22,635,101 | - | - | 74,899 | - | - | 22,710,000 |
| FUND 2606 | T-BILL | 526919 | BONY | 85 | CANT | 11/7/2019 | 12/19/2019 | 11/7/2019 | Purchased | 1.45 | 1.452 | 49,985,000 | 49,900,442 | 84,558 | - | - | - | - | 49,900,442 |
| FUND 2606 | REPO INT | 526942 | BONY | 85 | DAIWA | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.45 | 1.45 | 49,916,000 | 49,916,000 | - | - | - | - | - | 49,916,000 |
| FUND 2606 | REPO INT | 526942 | BONY | 85 | DAIWA | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.45 | 1.45 | 49,916,000 | 49,916,000 | - | - | 2,011 | - | - | 49,918,011 |
| FUND 2606 | T-BILL | 526952 | BONY | 85 | BOFAB | 11/8/2019 | 12/10/2019 | 11/8/2019 | Purchased | 1.525 | 1.527 | 49,985,000 | 49,917,243 | 67,757 | - | - | - | - | 49,917,243 |
| FUND 2606 | T-BILL | 526802 | BONY | 85 | MERIL | 10/24/2019 | 11/19/2019 | 11/12/2019 | Final Sale | 1.705 | 1.707 | 50,000,000 | 49,938,431 | 61,569 | - | 44,993 | - | 1,750 | 49,985,174 |
| FUND 2606 | T-BILL | 526605 | BONY | 85 | MERIL | 10/8/2019 | 11/19/2019 | 11/12/2019 | Partial Sale | 1.67 | 1.673 | 6,223,000 | 6,210,876 | 12,124 | - | 10,104 | - | 175 | 6,221,155 |
| FUND 2606 | T-BILL | 526443 | BONY | 85 | DAIWA | 9/24/2019 | 1/9/2020 | 11/14/2019 | Partial Sale | 1.828 | 1.837 | 17,641,000 | 17,545,179 | 95,821 | - | 45,672 | - | 8,438 | 17,599,289 |
| FUND 2606 | T-BILL | 526905 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.705 | 1.707 | 10,149,000 | 10,136,503 | - | - | 12,497 | - | - | 10,149,000 |
| FUND 2606 | T-BILL | 526979 | BONY | 85 | DAIWA | 10/8/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.67 | 1.673 | 11,345,000 | 11,322,896 | - | - | 22,104 | - | - | 11,345,000 |
| FUND 2606 | T-BILL | 526444 | BONY | 85 | BOFAB | 9/24/2019 | 1/9/2020 | 11/19/2019 | Partial Sale | 1.828 | 1.837 | 12,434,000 | 12,366,462 | 67,538 | - | 35,347 | - | 5,505 | 12,407,314 |
| FUND 2606 | T-BILL | 526952 | BONY | 85 | CANT | 11/8/2019 | 12/10/2019 | 11/21/2019 | Partial Sale | 1.525 | 1.527 | 33,774,000 | 33,728,217 | 45,783 | - | 18,599 | - | - | 33,746,817 |
| FUND 2606 | T-BILL | 526442 | BONY | 85 | DAIWA | 9/24/2019 | 1/9/2020 | 11/26/2019 | Partial Sale | 1.828 | 1.837 | 34,641,000 | 34,452,839 | 188,161 | - | 110,786 | - | 11,749 | 34,575,375 |
| FUND 2606 | T-BILL | 527011 | BONY | 85 | MERIL | 9/24/2019 | 1/9/2020 | 11/27/2019 | Final Sale | 1.828 | 1.837 | 32,359,000 | 32,183,234 | 175,766 | - | 105,131 | - | 10,726 | 32,299,091 |
| FUND 2606 | T-BILL | 527066 | BONY | 85 | MERIL | 9/24/2019 | 1/9/2020 | 11/27/2019 | Partial Sale | 1.827 | 1.837 | 3,235,000 | 3,217,428 | 17,572 | - | 10,510 | - | 1,072 | 3,229,011 |
| FUND 2606 | T-BILL | 526251 | BONY | 85 | DAIWA | 9/6/2019 | 12/12/2019 | 12/3/2019 | Partial Sale | 1.865 | 1.874 | 39,993,000 | 39,792,030 | 200,970 | - | 182,324 | - | 3,449 | 39,977,803 |
| FUND 2606 | T-BILL | 527247 | BONY | 85 | DAIWA | 12/4/2019 | 12/10/2019 | 12/4/2019 | Purchased | 1.5 | 1.5 | 2,000,000 | 1,999,500 | 500 | - | - | - | - | 1,999,500 |
| FUND 2606 | T-BILL | 526252 | BONY | 85 | DAIWA | 9/6/2019 | 12/12/2019 | 12/9/2019 | Final Sale | 1.865 | 1.874 | 50,000,000 | 49,748,743 | 251,257 | - | 243,486 | - | 1,771 | 49,994,000 |
| FUND 2606 | T-BILL | 526253 | BONY | 85 | DAIWA | 9/6/2019 | 12/12/2019 | 12/9/2019 | Partial Sale | 1.865 | 1.874 | 6,330,000 | 6,298,191 | 31,809 | - | 30,825 | - | 224 | 6,329,240 |
| FUND 2606 | T-BILL | 527102 | BONY | 85 | BOFAB | 11/8/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.525 | 1.527 | 16,211,000 | 16,189,025 | - | - | 21,975 | - | - | 16,211,000 |
| FUND 2606 | T-BILL | 527247 | BONY | 85 | DAIWA | 12/4/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.5 | 1.5 | 2,000,000 | 1,999,500 | - | - | 500 | - | - | 2,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|-------------------|---------------------|------------------|---------------|----------------|----------------------|
| FUND 2606 | T-BILL | 527319 | BONY | 85 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 16,235,000 | 16,210,722 | 24,278 | - | - | - | - | 16,210,722 |
| FUND 2606 | T-BILL | 527338 | BONY | 85 | DAIWA | 12/10/2019 | 12/12/2019 | 12/10/2019 | Purchased | 1.45 | 1.45 | 50,000,000 | 49,995,972 | 4,028 | - | - | - | - | 49,995,972 |
| FUND 2606 | T-BILL | 527339 | BONY | 85 | DAIWA | 12/10/2019 | 12/12/2019 | 12/10/2019 | Purchased | 1.45 | 1.45 | 50,000,000 | 49,995,972 | 4,028 | - | - | - | - | 49,995,972 |
| FUND 2606 | T-BILL | 527340 | BONY | 85 | DAIWA | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.49 | 1.49 | 50,000,000 | 49,985,514 | 14,486 | - | - | - | - | 49,985,514 |
| FUND 2606 | T-BILL | 527341 | BONY | 85 | DAIWA | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.49 | 1.49 | 41,022,000 | 41,010,115 | 11,885 | - | - | - | - | 41,010,115 |
| FUND 2606 | T-BILL | 527214 | BONY | 85 | CANT | 9/6/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.865 | 1.874 | 10,007,000 | 9,956,713 | - | - | 50,287 | - | - | 10,007,000 |
| FUND 2606 | T-BILL | 527311 | BONY | 85 | CANT | 9/6/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.865 | 1.874 | 3,682,000 | 3,663,497 | - | - | 18,503 | - | - | 3,682,000 |
| FUND 2606 | T-BILL | 527338 | BONY | 85 | DAIWA | 12/10/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.45 | 1.45 | 50,000,000 | 49,995,972 | - | - | 4,028 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 527339 | BONY | 85 | DAIWA | 12/10/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.45 | 1.45 | 50,000,000 | 49,995,972 | - | - | 4,028 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 527371 | BONY | 85 | BOFAB | 12/12/2019 | 1/2/2020 | 12/12/2019 | Purchased | 1.49 | 1.491 | 50,000,000 | 49,956,542 | 43,458 | - | - | - | - | 49,956,542 |
| FUND 2606 | T-BILL | 527372 | BONY | 85 | BOFAB | 12/12/2019 | 1/2/2020 | 12/12/2019 | Purchased | 1.49 | 1.491 | 19,622,000 | 19,604,945 | 17,055 | - | - | - | - | 19,604,945 |
| FUND 2606 | T-BILL | 527340 | BONY | 85 | DAIWA | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.49 | 1.49 | 50,000,000 | 49,985,514 | - | - | 14,486 | - | - | 50,000,000 |
| FUND 2606 | T-BILL | 527341 | BONY | 85 | DAIWA | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.49 | 1.49 | 41,022,000 | 41,010,115 | - | - | 11,885 | - | - | 41,022,000 |
| FUND 2606 | T-BILL | 527441 | BONY | 85 | DAIWA | 12/17/2019 | 1/7/2020 | 12/17/2019 | Purchased | 1.52 | 1.521 | 34,787,000 | 34,756,156 | 30,844 | - | - | - | - | 34,756,156 |
| FUND 2606 | T-BILL | 526919 | BONY | 85 | CANT | 11/7/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.45 | 1.452 | 49,985,000 | 49,900,442 | - | - | 84,558 | - | - | 49,985,000 |
| FUND 2606 | T-BILL | 526297 | BONY | 85 | MERIL | 9/10/2019 | 1/23/2020 | 12/19/2019 | Partial Sale | 1.821 | 1.834 | 20,031,000 | 19,894,213 | 136,787 | - | 101,323 | - | 6,057 | 20,001,593 |
| FUND 2606 | T-BILL | 527371 | BONY | 85 | BOFAB | 12/12/2019 | 1/2/2020 | 12/26/2019 | Final Sale | 1.49 | 1.491 | 50,000,000 | 49,956,542 | 43,458 | - | 28,972 | - | 97 | 49,985,611 |
| FUND 2606 | T-BILL | 527372 | BONY | 85 | BOFAB | 12/12/2019 | 1/2/2020 | 12/26/2019 | Final Sale | 1.49 | 1.491 | 19,622,000 | 19,604,945 | 17,055 | - | 11,370 | - | 38 | 19,616,353 |
| FUND 2606 | T-BILL | 527441 | BONY | 85 | CANT | 12/17/2019 | 1/7/2020 | 12/26/2019 | Partial Sale | 1.52 | 1.521 | 21,658,000 | 21,638,797 | 19,203 | - | 8,230 | - | 108 | 21,647,135 |
| FUND 2606 | T-BILL | 527595 | BONY | 85 | BOFAB | 12/17/2019 | 1/7/2020 | 12/30/2019 | Partial Sale | 1.52 | 1.521 | 12,772,000 | 12,760,675 | 11,325 | - | 7,010 | - | 28 | 12,767,714 |
| FUND 2606 Total | | | | | | | | | | | | 9,579,458,000 | 9,562,112,543 | 16,663,519 | 2,139,946 | 8,061,839 | 29,702 | 116,291 | 9,570,210,723 |
| FUND 2608 | T-BILL | 523481 | BONY | 85 | DAIWA | 12/13/2018 | 1/24/2019 | 1/24/2019 | Matured | 2.25 | 2.256 | 3,498,000 | 3,488,818 | - | - | 9,182 | - | - | 3,498,000 |
| FUND 2608 | T-BILL | 523735 | BONY | 85 | DAIWA | 1/24/2019 | 3/19/2019 | 1/24/2019 | Purchased | 2.325 | 2.333 | 3,510,000 | 3,497,759 | 12,241 | - | - | - | - | 3,497,759 |
| FUND 2608 | T-BILL | 523735 | BONY | 85 | DAIWA | 1/24/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.325 | 2.333 | 3,510,000 | 3,497,759 | - | - | 12,241 | - | - | 3,510,000 |
| FUND 2608 | T-BILL | 524353 | BONY | 85 | RBC | 3/19/2019 | 6/13/2019 | 3/19/2019 | Purchased | 2.388 | 2.401 | 3,530,000 | 3,509,867 | 20,133 | - | - | - | - | 3,509,867 |
| FUND 2608 | T-BILL | 524353 | BONY | 85 | DAIWA | 3/19/2019 | 6/13/2019 | 4/10/2019 | Partial Sale | 2.388 | 2.401 | 100,000 | 99,430 | 570 | - | 146 | - | 5 | 99,580 |
| FUND 2608 | COMM PAPER | 524775 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 2608 | COMM PAPER | 524776 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 2608 | COMM PAPER | 524777 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 2608 | COMM PAPER | 524778 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 2608 | COMM PAPER | 524779 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 2608 | COMM PAPER | 524780 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 2608 | COMM PAPER | 524781 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 2.41 | 2.412 | 280,000 | 279,738 | 262 | - | - | - | - | 279,738 |
| FUND 2608 | COMM PAPER | 524775 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524776 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524777 | BONY | 85 | RBC | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524778 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524779 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524780 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 2608 | COMM PAPER | 524781 | BONY | 85 | MERIL | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.41 | 2.412 | 280,000 | 279,738 | - | - | 262 | - | - | 280,000 |
| FUND 2608 | T-BILL | 524950 | BONY | 85 | DAIWA | 5/15/2019 | 5/21/2019 | 5/15/2019 | Purchased | 2.325 | 2.326 | 281,000 | 280,891 | 109 | - | - | - | - | 280,891 |
| FUND 2608 | T-BILL | 524950 | BONY | 85 | DAIWA | 5/15/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.325 | 2.326 | 281,000 | 280,891 | - | - | 109 | - | - | 281,000 |
| FUND 2608 | T-BILL | 525021 | BONY | 85 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 281,000 | 280,751 | 249 | - | - | - | - | 280,751 |
| FUND 2608 | T-BILL | 525021 | BONY | 85 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 281,000 | 280,751 | - | - | 249 | - | - | 281,000 |
| FUND 2608 | T-BILL | 525213 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 6/4/2019 | Purchased | 2.27 | 2.275 | 281,000 | 280,380 | 620 | - | - | - | - | 280,380 |
| FUND 2608 | T-BILL | 524576 | BONY | 85 | RBC | 3/19/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.388 | 2.401 | 3,430,000 | 3,410,437 | - | - | 19,563 | - | - | 3,430,000 |
| FUND 2608 | T-BILL | 525303 | BONY | 85 | DAIWA | 6/13/2019 | 7/9/2019 | 6/13/2019 | Purchased | 2.13 | 2.133 | 3,436,000 | 3,430,714 | 5,286 | - | - | - | - | 3,430,714 |
| FUND 2608 | T-BILL | 525213 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.27 | 2.275 | 281,000 | 280,380 | - | - | 620 | - | - | 281,000 |
| FUND 2608 | T-BILL | 525303 | BONY | 85 | DAIWA | 6/13/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.13 | 2.133 | 3,436,000 | 3,430,714 | - | - | 5,286 | - | - | 3,436,000 |
| FUND 2608 | T-BILL | 525563 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.182 | 2.186 | 3,723,000 | 3,716,680 | 6,320 | - | - | - | - | 3,716,680 |
| FUND 2608 | T-BILL | 525563 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.182 | 2.186 | 3,723,000 | 3,716,680 | - | - | 6,320 | - | - | 3,723,000 |
| FUND 2608 | T-BILL | 525857 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 3,729,000 | 3,723,141 | 5,859 | - | - | - | - | 3,723,141 |
| FUND 2608 | T-BILL | 525857 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.02 | 2.023 | 3,729,000 | 3,723,141 | - | - | 5,859 | - | - | 3,729,000 |
| FUND 2608 | T-BILL | 526181 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 3,729,000 | 3,728,718 | 282 | - | - | - | - | 3,728,718 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|--------------------|--------------------|----------------|---------------------|----------------|--------------|---------------|--------------------|
| FUND 2608 | T-BILL | 526181 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 3,729,000 | 3,728,718 | - | - | 282 | - | - | 3,729,000 |
| FUND 2608 | T-BILL | 526214 | BONY | 85 | CANT | 9/5/2019 | 10/17/2019 | 9/5/2019 | Purchased | 1.95 | 1.954 | 3,738,000 | 3,729,496 | 8,504 | - | - | - | - | 3,729,496 |
| FUND 2608 | T-BILL | 526214 | BONY | 85 | CANT | 9/5/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.95 | 1.954 | 3,738,000 | 3,729,496 | - | - | 8,504 | - | - | 3,738,000 |
| FUND 2608 | T-BILL | 526724 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 3,747,000 | 3,737,839 | 9,161 | - | - | - | - | 3,737,839 |
| FUND 2608 | T-BILL | 526724 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 3,747,000 | 3,737,839 | - | - | 9,161 | - | - | 3,747,000 |
| FUND 2608 | T-BILL | 527320 | BONY | 85 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 3,752,000 | 3,746,389 | 5,611 | - | - | - | - | 3,746,389 |
| FUND 2608 Total | | | | | | | | | | | | 667,780,000 | 667,065,988 | 355,791 | - | 358,367 | - | 5 | 667,424,360 |
| FUND 2609 | T-BILL | 523677 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523678 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523679 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523680 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523681 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523682 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 50,000,000 | 49,942,500 | 57,500 | - | - | - | - | 49,942,500 |
| FUND 2609 | T-BILL | 523683 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/18/2019 | Purchased | 2.3 | 2.303 | 345,000 | 344,603 | 397 | - | - | - | - | 344,603 |
| FUND 2609 | T-BILL | 523677 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 1/29/2019 | Partial Sale | 2.3 | 2.303 | 34,860,000 | 34,819,911 | 40,089 | - | 24,499 | - | 169 | 34,844,579 |
| FUND 2609 | T-BILL | 523678 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 50,000,000 | 49,942,500 | - | - | 57,500 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523679 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 50,000,000 | 49,942,500 | - | - | 57,500 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523680 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 50,000,000 | 49,942,500 | - | - | 57,500 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523681 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 50,000,000 | 49,942,500 | - | - | 57,500 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523682 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 50,000,000 | 49,942,500 | - | - | 57,500 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523683 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 345,000 | 344,603 | - | - | 397 | - | - | 345,000 |
| FUND 2609 | T-BILL | 523778 | BONY | 85 | DAIWA | 1/18/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.3 | 2.303 | 15,140,000 | 15,122,589 | - | - | 17,411 | - | - | 15,140,000 |
| FUND 2609 | T-BILL | 523834 | BONY | 85 | BOFAB | 2/5/2019 | 2/7/2019 | 2/5/2019 | Purchased | 2.26 | 2.26 | 50,000,000 | 49,993,722 | 6,278 | - | - | - | - | 49,993,722 |
| FUND 2609 | T-BILL | 523835 | BONY | 85 | BOFAB | 2/5/2019 | 2/7/2019 | 2/5/2019 | Purchased | 2.26 | 2.26 | 50,000,000 | 49,993,722 | 6,278 | - | - | - | - | 49,993,722 |
| FUND 2609 | T-BILL | 523836 | BONY | 85 | BOFAB | 2/5/2019 | 2/14/2019 | 2/5/2019 | Purchased | 2.325 | 2.326 | 50,000,000 | 49,970,938 | 29,063 | - | - | - | - | 49,970,938 |
| FUND 2609 | T-BILL | 523837 | BONY | 85 | BOFAB | 2/5/2019 | 2/14/2019 | 2/5/2019 | Purchased | 2.325 | 2.326 | 50,000,000 | 49,970,938 | 29,063 | - | - | - | - | 49,970,938 |
| FUND 2609 | T-BILL | 523838 | BONY | 85 | BOFAB | 2/5/2019 | 2/21/2019 | 2/5/2019 | Purchased | 2.335 | 2.337 | 50,000,000 | 49,948,111 | 51,889 | - | - | - | - | 49,948,111 |
| FUND 2609 | T-BILL | 523839 | BONY | 85 | BOFAB | 2/5/2019 | 2/21/2019 | 2/5/2019 | Purchased | 2.335 | 2.337 | 15,623,000 | 15,606,787 | 16,213 | - | - | - | - | 15,606,787 |
| FUND 2609 | T-BILL | 523210 | BONY | 85 | DAIWA | 12/6/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.325 | 2.334 | 7,117,000 | 7,088,043 | - | - | 28,957 | - | - | 7,117,000 |
| FUND 2609 | T-BILL | 523834 | BONY | 85 | BOFAB | 2/5/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.26 | 2.26 | 50,000,000 | 49,993,722 | - | - | 6,278 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523835 | BONY | 85 | BOFAB | 2/5/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.26 | 2.26 | 50,000,000 | 49,993,722 | - | - | 6,278 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523909 | BONY | 85 | DAIWA | 2/7/2019 | 2/26/2019 | 2/7/2019 | Purchased | 2.335 | 2.338 | 48,752,000 | 48,691,920 | 60,080 | - | - | - | - | 48,691,920 |
| FUND 2609 | T-BILL | 523837 | BONY | 85 | DAIWA | 2/5/2019 | 2/14/2019 | 2/13/2019 | Partial Sale | 2.325 | 2.326 | 4,908,000 | 4,905,147 | 2,853 | - | 2,536 | - | 2 | 4,907,681 |
| FUND 2609 | T-BILL | 523836 | BONY | 85 | BOFAB | 2/5/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.325 | 2.326 | 50,000,000 | 49,970,938 | - | - | 29,063 | - | - | 50,000,000 |
| FUND 2609 | T-BILL | 523993 | BONY | 85 | BOFAB | 2/5/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.325 | 2.326 | 45,092,000 | 45,065,790 | - | - | 26,210 | - | - | 45,092,000 |
| FUND 2609 | COMM PAPER | 524013 | BONY | 85 | RBC | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 2609 | COMM PAPER | 524014 | BONY | 85 | RBC | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.36 | 2.36 | 45,098,000 | 45,095,044 | 2,956 | - | - | - | - | 45,095,044 |
| FUND 2609 | T-BILL | 523838 | BONY | 85 | DAIWA | 2/5/2019 | 2/21/2019 | 2/15/2019 | Final Sale | 2.335 | 2.337 | 50,000,000 | 49,948,111 | 51,889 | - | 32,431 | - | 292 | 49,980,833 |
| FUND 2609 | T-BILL | 523839 | BONY | 85 | DAIWA | 2/5/2019 | 2/21/2019 | 2/15/2019 | Final Sale | 2.335 | 2.337 | 15,623,000 | 15,606,787 | 16,213 | - | 10,133 | - | 91 | 15,617,011 |
| FUND 2609 | T-BILL | 523909 | BONY | 85 | RBC | 2/7/2019 | 2/26/2019 | 2/15/2019 | Final Sale | 2.335 | 2.338 | 48,752,000 | 48,691,920 | 60,080 | - | 25,297 | - | 290 | 48,716,926 |
| FUND 2609 | COMM PAPER | 524013 | BONY | 85 | RBC | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 2609 | COMM PAPER | 524014 | BONY | 85 | RBC | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.36 | 2.36 | 45,098,000 | 45,095,044 | - | - | 2,956 | - | - | 45,098,000 |
| FUND 2609 | T-BILL | 524096 | BONY | 85 | DAIWA | 2/22/2019 | 2/28/2019 | 2/22/2019 | Purchased | 2.305 | 2.306 | 6,678,000 | 6,675,435 | 2,565 | - | - | - | - | 6,675,435 |
| FUND 2609 | T-BILL | 524096 | BONY | 85 | BOFAB | 2/22/2019 | 2/28/2019 | 2/27/2019 | Partial Sale | 2.305 | 2.306 | 23,000 | 22,991 | 9 | - | 7 | - | - | 22,999 |
| FUND 2609 | T-BILL | 524137 | BONY | 85 | DAIWA | 2/22/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.305 | 2.306 | 6,655,000 | 6,652,443 | - | - | 2,557 | - | - | 6,655,000 |
| FUND 2609 | T-BILL | 524148 | BONY | 85 | BOFAB | 2/28/2019 | 3/7/2019 | 2/28/2019 | Purchased | 2.335 | 2.336 | 6,658,000 | 6,654,977 | 3,023 | - | - | - | - | 6,654,977 |
| FUND 2609 | T-BILL | 524148 | BONY | 85 | MERIL | 2/28/2019 | 3/7/2019 | 3/4/2019 | Partial Sale | 2.335 | 2.336 | 1,143,000 | 1,142,481 | 519 | - | 297 | - | 3 | 1,142,781 |
| FUND 2609 | T-BILL | 524181 | BONY | 85 | BOFAB | 2/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.336 | 5,515,000 | 5,512,496 | - | - | 2,504 | - | - | 5,515,000 |
| FUND 2609 | T-BILL | 524220 | BONY | 85 | RBC | 3/7/2019 | 4/9/2019 | 3/7/2019 | Purchased | 2.36 | 2.365 | 5,520,000 | 5,508,058 | 11,942 | - | - | - | - | 5,508,058 |
| FUND 2609 | T-BILL | 524220 | BONY | 85 | MERIL | 3/7/2019 | 4/9/2019 | 3/14/2019 | Partial Sale | 2.36 | 2.365 | 249,000 | 248,461 | 539 | - | 114 | - | 4 | 248,572 |
| FUND 2609 | T-BILL | 524304 | BONY | 85 | BOFAB | 3/7/2019 | 4/9/2019 | 3/21/2019 | Partial Sale | 2.36 | 2.365 | 67,000 | 66,855 | 145 | - | 61 | - | 2 | 66,914 |
| FUND 2609 | T-BILL | 524394 | BONY | 85 | | 3/7/2019 | 4/9/2019 | 3/25/2019 | Partial Sale | 2.36 | 2.365 | 632,000 | 630,633 | 1,367 | - | 746 | - | 13 | 631,366 |
| FUND 2609 | T-BILL | 524464 | BONY | 85 | DAIWA | 3/29/2019 | 5/16/2019 | 3/29/2019 | Purchased | 2.32 | 2.327 | 10,031,000 | 9,999,971 | 31,029 | - | - | - | - | 9,999,971 |
| FUND 2609 | T-BILL | 524422 | BONY | 85 | MERIL | 3/7/2019 | 4/9/2019 | 4/4/2019 | Final Sale | 2.36 | 2.365 | 4,572,000 | 4,562,109 | 9,891 | - | 8,392 | - | 13 | 4,570,489 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|----------------|--------------|---------------|----------------------|
| FUND 2609 | T-BILL | 524464 | BONY | 85 | MERIL | 3/29/2019 | 5/16/2019 | 4/4/2019 | Partial Sale | 2.32 | 2.327 | 2,198,000 | 2,191,201 | 6,799 | - | 850 | - | 90 | 2,191,961 |
| FUND 2609 | T-BILL | 524522 | BONY | 85 | DAIWA | 3/29/2019 | 5/16/2019 | 4/10/2019 | Partial Sale | 2.32 | 2.327 | 4,541,000 | 4,526,953 | 14,047 | - | 3,512 | - | 136 | 4,530,329 |
| FUND 2609 | T-BILL | 524647 | BONY | 85 | DAIWA | 4/16/2019 | 5/16/2019 | 4/16/2019 | Purchased | 2.33 | 2.335 | 10,019,000 | 9,999,546 | 19,454 | - | - | - | - | 9,999,546 |
| FUND 2609 | T-BILL | 524577 | BONY | 85 | DAIWA | 3/29/2019 | 5/16/2019 | 4/17/2019 | Partial Sale | 2.32 | 2.327 | 672,000 | 669,921 | 2,079 | - | 823 | - | 11 | 670,733 |
| FUND 2609 | T-BILL | 524667 | BONY | 85 | RBC | 3/29/2019 | 5/16/2019 | 4/22/2019 | Partial Sale | 2.32 | 2.327 | 263,000 | 262,186 | 814 | - | 407 | - | 8 | 262,585 |
| FUND 2609 | T-BILL | 524647 | BONY | 85 | RBC | 4/16/2019 | 5/16/2019 | 4/30/2019 | Partial Sale | 2.33 | 2.335 | 38,000 | 37,926 | 74 | - | 34 | - | 1 | 37,959 |
| FUND 2609 | T-BILL | 524769 | BONY | 85 | BOFAB | 4/16/2019 | 5/16/2019 | 5/2/2019 | Partial Sale | 2.33 | 2.335 | 2,056,000 | 2,052,008 | 3,992 | - | 2,129 | - | 28 | 2,054,109 |
| FUND 2609 | T-BILL | 524693 | BONY | 85 | | 3/29/2019 | 5/16/2019 | 5/8/2019 | Partial Sale | 2.32 | 2.327 | 1,311,000 | 1,306,945 | 4,055 | - | 3,379 | - | 10 | 1,310,314 |
| FUND 2609 | T-BILL | 524849 | BONY | 85 | MERIL | 3/29/2019 | 5/16/2019 | 5/10/2019 | Partial Sale | 2.32 | 2.327 | 776,000 | 773,600 | 2,400 | - | 2,100 | - | 3 | 775,697 |
| FUND 2609 | T-BILL | 524906 | BONY | 85 | DAIWA | 5/14/2019 | 5/16/2019 | 5/14/2019 | Purchased | 2.27 | 2.27 | 45,006,000 | 45,000,324 | 5,676 | - | - | - | - | 45,000,324 |
| FUND 2609 | T-BILL | 524906 | BONY | 85 | DAIWA | 5/14/2019 | 5/16/2019 | 5/15/2019 | Partial Sale | 2.27 | 2.27 | 22,401,000 | 22,398,175 | 2,825 | - | 1,413 | - | 81 | 22,399,507 |
| FUND 2609 | T-BILL | 524803 | BONY | 85 | DAIWA | 4/16/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.33 | 2.335 | 7,925,000 | 7,909,612 | - | - | 15,388 | - | - | 7,925,000 |
| FUND 2609 | T-BILL | 524885 | BONY | 85 | DAIWA | 3/29/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.32 | 2.327 | 270,000 | 269,165 | - | - | 835 | - | - | 270,000 |
| FUND 2609 | T-BILL | 524946 | BONY | 85 | DAIWA | 5/14/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.27 | 2.27 | 22,605,000 | 22,602,149 | - | - | 2,851 | - | - | 22,605,000 |
| FUND 2609 | T-BILL | 524966 | BONY | 85 | DAIWA | 5/16/2019 | 7/18/2019 | 5/16/2019 | Purchased | 2.345 | 2.355 | 30,927,000 | 30,800,083 | 126,917 | - | - | - | - | 30,800,083 |
| FUND 2609 | T-BILL | 524966 | BONY | 85 | DAIWA | 5/16/2019 | 7/18/2019 | 5/20/2019 | Partial Sale | 2.345 | 2.355 | 30,916,000 | 30,789,128 | 126,872 | - | 8,055 | - | 760 | 30,797,944 |
| FUND 2609 | T-BILL | 525097 | BONY | 85 | RBC | 5/24/2019 | 6/4/2019 | 5/24/2019 | Purchased | 2.24 | 2.242 | 998,000 | 997,317 | 683 | - | - | - | - | 997,317 |
| FUND 2609 | T-BILL | 525136 | BONY | 85 | DAIWA | 5/29/2019 | 7/9/2019 | 5/29/2019 | Purchased | 2.28 | 2.286 | 8,571,000 | 8,548,744 | 22,256 | - | - | - | - | 8,548,744 |
| FUND 2609 | T-BILL | 525097 | BONY | 85 | RBC | 5/24/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.24 | 2.242 | 998,000 | 997,317 | - | - | 683 | - | - | 998,000 |
| FUND 2609 | T-BILL | 525214 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 6/4/2019 | Purchased | 2.27 | 2.275 | 1,000,000 | 997,793 | 2,207 | - | - | - | - | 997,793 |
| FUND 2609 | T-BILL | 525136 | BONY | 85 | DAIWA | 5/29/2019 | 7/9/2019 | 6/14/2019 | Partial Sale | 2.28 | 2.286 | 1,911,000 | 1,906,038 | 4,962 | - | 1,936 | - | 186 | 1,908,160 |
| FUND 2609 | T-BILL | 525214 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.27 | 2.275 | 1,000,000 | 997,793 | - | - | 2,207 | - | - | 1,000,000 |
| FUND 2609 | T-BILL | 525342 | BONY | 85 | DAIWA | 5/29/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.28 | 2.286 | 6,660,000 | 6,642,706 | - | - | 17,294 | - | - | 6,660,000 |
| FUND 2609 | T-BILL | 525564 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 7,673,000 | 7,659,975 | 13,025 | - | - | - | - | 7,659,975 |
| FUND 2609 | T-BILL | 524999 | BONY | 85 | DAIWA | 5/16/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.345 | 2.355 | 11,000 | 10,955 | - | - | 45 | - | - | 11,000 |
| FUND 2609 | T-BILL | 525680 | BONY | 85 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.082 | 11,000 | 10,966 | 34 | - | - | - | - | 10,966 |
| FUND 2609 | T-BILL | 525564 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 7,673,000 | 7,659,975 | - | - | 13,025 | - | - | 7,673,000 |
| FUND 2609 | T-BILL | 525858 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 7,685,000 | 7,672,926 | 12,074 | - | - | - | - | 7,672,926 |
| FUND 2609 | T-BILL | 526015 | BONY | 85 | CANT | 8/16/2019 | 9/3/2019 | 8/16/2019 | Purchased | 1.91 | 1.912 | 1,001,000 | 1,000,044 | 956 | - | - | - | - | 1,000,044 |
| FUND 2609 | T-BILL | 525858 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.02 | 2.023 | 7,685,000 | 7,672,926 | - | - | 12,074 | - | - | 7,685,000 |
| FUND 2609 | T-BILL | 526015 | BONY | 85 | CANT | 8/16/2019 | 9/3/2019 | 9/3/2019 | Matured | 1.91 | 1.912 | 1,001,000 | 1,000,044 | - | - | 956 | - | - | 1,001,000 |
| FUND 2609 | T-BILL | 526182 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 8,686,000 | 8,685,344 | 656 | - | - | - | - | 8,685,344 |
| FUND 2609 | T-BILL | 526182 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 8,686,000 | 8,685,344 | - | - | 656 | - | - | 8,686,000 |
| FUND 2609 | T-BILL | 526215 | BONY | 85 | CANT | 9/5/2019 | 10/17/2019 | 9/5/2019 | Purchased | 1.95 | 1.954 | 8,706,000 | 8,686,194 | 19,806 | - | - | - | - | 8,686,194 |
| FUND 2609 | T-BILL | 525680 | BONY | 85 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.082 | 11,000 | 10,966 | - | - | 34 | - | - | 11,000 |
| FUND 2609 | T-BILL | 526298 | BONY | 85 | BOFAB | 9/10/2019 | 1/23/2020 | 9/10/2019 | Purchased | 1.821 | 1.834 | 11,000 | 10,925 | 75 | - | - | - | - | 10,925 |
| FUND 2609 | T-BILL | 526215 | BONY | 85 | CANT | 9/5/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.95 | 1.954 | 8,706,000 | 8,686,194 | - | - | 19,806 | - | - | 8,706,000 |
| FUND 2609 | T-BILL | 526725 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 8,728,000 | 8,706,660 | 21,340 | - | - | - | - | 8,706,660 |
| FUND 2609 | T-BILL | 526725 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 8,728,000 | 8,706,660 | - | - | 21,340 | - | - | 8,728,000 |
| FUND 2609 | T-BILL | 527321 | BONY | 85 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 8,741,000 | 8,727,929 | 13,071 | - | - | - | - | 8,727,929 |
| FUND 2609 Total | | | | | | | | | | | | 1,771,301,000 | 1,769,570,623 | 1,209,795 | - | 649,733 | - | 2,193 | 1,770,221,167 |
| FUND 2610 | T-BILL | 525052 | BONY | 85 | DAIWA | 5/22/2019 | 6/11/2019 | 5/22/2019 | Purchased | 2.29 | 2.293 | 50,000,000 | 49,936,389 | 63,611 | - | - | - | - | 49,936,389 |
| FUND 2610 | T-BILL | 525053 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 5/22/2019 | Purchased | 2.315 | 2.319 | 50,000,000 | 49,913,188 | 86,813 | - | - | - | - | 49,913,188 |
| FUND 2610 | T-BILL | 525054 | BONY | 85 | DAIWA | 5/22/2019 | 6/25/2019 | 5/22/2019 | Purchased | 2.27 | 2.275 | 50,000,000 | 49,892,806 | 107,194 | - | - | - | - | 49,892,806 |
| FUND 2610 | T-BILL | 525055 | BONY | 85 | DAIWA | 5/22/2019 | 6/25/2019 | 5/22/2019 | Purchased | 2.27 | 2.275 | 5,042,000 | 5,031,191 | 10,809 | - | - | - | - | 5,031,191 |
| FUND 2610 | T-BILL | 525057 | BONY | 85 | DAIWA | 5/22/2019 | 5/28/2019 | 5/22/2019 | Purchased | 2.24 | 2.241 | 50,000,000 | 49,981,333 | 18,667 | - | - | - | - | 49,981,333 |
| FUND 2610 | T-BILL | 525057 | BONY | 85 | BOFAB | 5/22/2019 | 5/28/2019 | 5/24/2019 | Partial Sale | 2.24 | 2.241 | 3,431,000 | 3,429,719 | 1,281 | - | 427 | - | 2 | 3,430,148 |
| FUND 2610 | T-BILL | 525101 | BONY | 85 | DAIWA | 5/22/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.24 | 2.241 | 46,569,000 | 46,551,614 | - | - | 17,386 | - | - | 46,569,000 |
| FUND 2610 | T-BILL | 525123 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.26 | 2.261 | 46,589,000 | 46,568,527 | 20,473 | - | - | - | - | 46,568,527 |
| FUND 2610 | T-BILL | 525123 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 5/29/2019 | Partial Sale | 2.26 | 2.261 | 9,337,000 | 9,332,897 | 4,103 | - | 586 | - | 39 | 9,333,522 |
| FUND 2610 | T-BILL | 525140 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 5/30/2019 | Partial Sale | 2.26 | 2.261 | 13,504,000 | 13,498,066 | 5,934 | - | 1,696 | - | 38 | 13,499,799 |
| FUND 2610 | T-BILL | 525156 | BONY | 85 | BOFAB | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.26 | 2.261 | 23,748,000 | 23,737,564 | - | - | 10,436 | - | - | 23,748,000 |
| FUND 2610 | T-BILL | 525215 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 6/4/2019 | Purchased | 2.27 | 2.275 | 20,907,000 | 20,860,859 | 46,141 | - | - | - | - | 20,860,859 |
| FUND 2610 | T-BILL | 525052 | BONY | 85 | DAIWA | 5/22/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.29 | 2.293 | 50,000,000 | 49,936,389 | - | - | 63,611 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|-------------|-------------|--------------|---------------------|------------|--------------|---------------|-------------|
| FUND 2610 | T-BILL | 525281 | BONY | 85 | DAIWA | 6/11/2019 | 7/9/2019 | 6/11/2019 | Purchased | 2.26 | 2.264 | 16,755,000 | 16,725,548 | 29,452 | - | - | - | - | 16,725,548 |
| FUND 2610 | T-BILL | 525281 | BONY | 85 | DAIWA | 6/11/2019 | 7/9/2019 | 6/13/2019 | Partial Sale | 2.26 | 2.264 | 386,000 | 385,322 | 679 | - | 48 | - | 31 | 385,401 |
| FUND 2610 | T-BILL | 525053 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 6/14/2019 | Partial Sale | 2.315 | 2.319 | 36,100,000 | 36,037,321 | 62,679 | - | 53,393 | - | 622 | 36,091,336 |
| FUND 2610 | T-BILL | 525338 | BONY | 85 | BOFAB | 5/22/2019 | 6/18/2019 | 6/17/2019 | Partial Sale | 2.315 | 2.319 | 10,001,000 | 9,983,636 | 17,364 | - | 16,721 | - | 32 | 10,000,389 |
| FUND 2610 | T-BILL | 525357 | BONY | 85 | DAIWA | 5/22/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.315 | 2.319 | 3,899,000 | 3,892,230 | - | - | 6,770 | - | - | 3,899,000 |
| FUND 2610 | T-BILL | 525362 | BONY | 85 | BOFAB | 6/18/2019 | 8/13/2019 | 6/18/2019 | Purchased | 2.161 | 2.168 | 2,826,000 | 2,816,500 | 9,500 | - | - | - | - | 2,816,500 |
| FUND 2610 | T-BILL | 525055 | BONY | 85 | DAIWA | 5/22/2019 | 6/25/2019 | 6/24/2019 | Partial Sale | 2.27 | 2.275 | 3,500,000 | 3,492,496 | 7,504 | - | 7,283 | - | 2 | 3,499,781 |
| FUND 2610 | T-BILL | 525054 | BONY | 85 | DAIWA | 5/22/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.27 | 2.275 | 50,000,000 | 49,892,806 | - | - | 107,194 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 525425 | BONY | 85 | DAIWA | 5/22/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.27 | 2.275 | 1,542,000 | 1,538,694 | - | - | 3,306 | - | - | 1,542,000 |
| FUND 2610 | T-BILL | 525438 | BONY | 85 | DAIWA | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 1.94 | 1.941 | 33,697,000 | 33,684,289 | 12,711 | - | - | - | - | 33,684,289 |
| FUND 2610 | T-BILL | 525438 | BONY | 85 | CANT | 6/25/2019 | 7/2/2019 | 6/27/2019 | Partial Sale | 1.94 | 1.941 | 3,684,000 | 3,682,610 | 1,390 | - | 397 | - | 23 | 3,682,984 |
| FUND 2610 | T-BILL | 525472 | BONY | 85 | DAIWA | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 1.94 | 1.941 | 30,013,000 | 30,001,678 | - | - | 11,322 | - | - | 30,013,000 |
| FUND 2610 | T-BILL | 525500 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.097 | 2.098 | 7,774,000 | 7,770,829 | 3,171 | - | - | - | - | 7,770,829 |
| FUND 2610 | T-BILL | 525215 | BONY | 85 | BOFAB | 6/4/2019 | 7/9/2019 | 7/5/2019 | Partial Sale | 2.27 | 2.275 | 17,234,000 | 17,195,966 | 38,034 | - | 33,688 | - | 96 | 17,229,749 |
| FUND 2610 | T-BILL | 525322 | BONY | 85 | DAIWA | 6/11/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.26 | 2.264 | 16,369,000 | 16,340,227 | - | - | 28,773 | - | - | 16,369,000 |
| FUND 2610 | T-BILL | 525500 | BONY | 85 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.097 | 2.098 | 7,774,000 | 7,770,829 | - | - | 3,171 | - | - | 7,774,000 |
| FUND 2610 | T-BILL | 525536 | BONY | 85 | DAIWA | 6/4/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.27 | 2.275 | 3,673,000 | 3,664,894 | - | - | 8,106 | - | - | 3,673,000 |
| FUND 2610 | T-BILL | 525565 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.182 | 2.186 | 27,863,000 | 27,815,703 | 47,297 | - | - | - | - | 27,815,703 |
| FUND 2610 | REPO INT | 525574 | BONY | 85 | DAIWA | 7/9/2019 | 7/12/2019 | 7/9/2019 | Purchased | 2.35 | 2.35 | 3,000,000 | 3,000,000 | - | - | - | - | - | 3,000,000 |
| FUND 2610 | T-BILL | 525362 | BONY | 85 | RBC | 6/18/2019 | 8/13/2019 | 7/11/2019 | Final Sale | 2.161 | 2.168 | 2,826,000 | 2,816,500 | 9,500 | - | 3,902 | - | 48 | 2,820,450 |
| FUND 2610 | T-BILL | 525565 | BONY | 85 | BOFAB | 7/9/2019 | 8/6/2019 | 7/11/2019 | Partial Sale | 2.182 | 2.186 | 3,321,000 | 3,315,363 | 5,637 | - | 403 | - | 108 | 3,315,873 |
| FUND 2610 | REPO INT | 525574 | BONY | 85 | DAIWA | 7/9/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.35 | 2.35 | 3,000,000 | 3,000,000 | - | - | 588 | - | - | 3,000,588 |
| FUND 2610 | REPO INT | 525611 | BONY | 85 | DAIWA | 7/12/2019 | 7/18/2019 | 7/12/2019 | Purchased | 2.35 | 2.35 | 100,000,000 | 100,000,000 | - | - | - | - | - | 100,000,000 |
| FUND 2610 | T-BILL | 525612 | BONY | 85 | CANT | 7/12/2019 | 7/30/2019 | 7/12/2019 | Purchased | 2.13 | 2.132 | 50,000,000 | 49,946,750 | 53,250 | - | - | - | - | 49,946,750 |
| FUND 2610 | T-BILL | 525613 | BONY | 85 | CANT | 7/12/2019 | 7/30/2019 | 7/12/2019 | Purchased | 2.13 | 2.132 | 50,000,000 | 49,946,750 | 53,250 | - | - | - | - | 49,946,750 |
| FUND 2610 | T-BILL | 525614 | BONY | 85 | CANT | 7/12/2019 | 8/6/2019 | 7/12/2019 | Purchased | 2.118 | 2.121 | 50,000,000 | 49,926,476 | 73,524 | - | - | - | - | 49,926,476 |
| FUND 2610 | T-BILL | 525615 | BONY | 85 | CANT | 7/12/2019 | 8/22/2019 | 7/12/2019 | Purchased | 2.09 | 2.095 | 50,000,000 | 49,880,986 | 119,014 | - | - | - | - | 49,880,986 |
| FUND 2610 | T-BILL | 525616 | BONY | 85 | CANT | 7/12/2019 | 8/22/2019 | 7/12/2019 | Purchased | 2.09 | 2.095 | 7,493,000 | 7,475,165 | 17,835 | - | - | - | - | 7,475,165 |
| FUND 2610 | T-BILL | 525610 | BONY | 85 | RBC | 7/9/2019 | 8/6/2019 | 7/16/2019 | Partial Sale | 2.182 | 2.186 | 6,153,000 | 6,142,555 | 10,445 | - | 2,611 | - | 180 | 6,145,347 |
| FUND 2610 | REPO INT | 525611 | BONY | 85 | DAIWA | 7/12/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.35 | 2.35 | 100,000,000 | 100,000,000 | - | - | 39,167 | - | - | 100,039,167 |
| FUND 2610 | T-BILL | 525681 | BONY | 85 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 50,000,000 | 49,844,375 | 155,625 | - | - | - | - | 49,844,375 |
| FUND 2610 | T-BILL | 525682 | BONY | 85 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 37,084,000 | 36,968,576 | 115,424 | - | - | - | - | 36,968,576 |
| FUND 2610 | T-BILL | 525612 | BONY | 85 | RBC | 7/12/2019 | 7/30/2019 | 7/25/2019 | Partial Sale | 2.13 | 2.132 | 9,198,000 | 9,188,204 | 9,796 | - | 7,075 | - | 109 | 9,195,388 |
| FUND 2610 | T-BILL | 525613 | BONY | 85 | CANT | 7/12/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.13 | 2.132 | 50,000,000 | 49,946,750 | - | - | 53,250 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 525770 | BONY | 85 | CANT | 7/12/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.13 | 2.132 | 40,802,000 | 40,758,546 | - | - | 43,454 | - | - | 40,802,000 |
| FUND 2610 | T-BILL | 525796 | BONY | 85 | BOFAB | 7/30/2019 | 8/15/2019 | 7/30/2019 | Purchased | 2 | 2.002 | 50,000,000 | 49,955,556 | 44,444 | - | - | - | - | 49,955,556 |
| FUND 2610 | T-BILL | 525797 | BONY | 85 | BOFAB | 7/30/2019 | 8/15/2019 | 7/30/2019 | Purchased | 2 | 2.002 | 19,188,000 | 19,170,944 | 17,056 | - | - | - | - | 19,170,944 |
| FUND 2610 | T-BILL | 525682 | BONY | 85 | DAIWA | 7/18/2019 | 9/10/2019 | 7/31/2019 | Partial Sale | 2.075 | 2.081 | 2,715,000 | 2,706,550 | 8,450 | - | 2,034 | - | 77 | 2,708,661 |
| FUND 2610 | T-BILL | 525614 | BONY | 85 | CANT | 7/12/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.118 | 2.121 | 50,000,000 | 49,926,476 | - | - | 73,524 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 525659 | BONY | 85 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.182 | 2.186 | 18,389,000 | 18,357,785 | - | - | 31,215 | - | - | 18,389,000 |
| FUND 2610 | T-BILL | 525859 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 50,000,000 | 49,921,444 | 78,556 | - | - | - | - | 49,921,444 |
| FUND 2610 | T-BILL | 525860 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 8/6/2019 | Purchased | 2.02 | 2.023 | 18,497,000 | 18,467,939 | 29,061 | - | - | - | - | 18,467,939 |
| FUND 2610 | T-BILL | 525681 | BONY | 85 | RBC | 7/18/2019 | 9/10/2019 | 8/8/2019 | Final Sale | 2.075 | 2.081 | 50,000,000 | 49,844,375 | 155,625 | - | 60,521 | - | 5,042 | 49,909,938 |
| FUND 2610 | T-BILL | 525813 | BONY | 85 | RBC | 7/18/2019 | 9/10/2019 | 8/8/2019 | Partial Sale | 2.075 | 2.081 | 2,471,000 | 2,463,309 | 7,691 | - | 2,991 | - | 249 | 2,466,549 |
| FUND 2610 | T-BILL | 525616 | BONY | 85 | BOFAB | 7/12/2019 | 8/22/2019 | 8/12/2019 | Partial Sale | 2.09 | 2.095 | 1,212,000 | 1,209,115 | 2,885 | - | 2,181 | - | 34 | 1,211,330 |
| FUND 2610 | T-BILL | 525796 | BONY | 85 | BOFAB | 7/30/2019 | 8/15/2019 | 8/15/2019 | Matured | 2 | 2.002 | 50,000,000 | 49,955,556 | - | - | 44,444 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 525797 | BONY | 85 | BOFAB | 7/30/2019 | 8/15/2019 | 8/15/2019 | Matured | 2 | 2.002 | 19,188,000 | 19,170,944 | - | - | 17,056 | - | - | 19,188,000 |
| FUND 2610 | T-BILL | 525997 | BONY | 85 | RBC | 8/15/2019 | 8/20/2019 | 8/15/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,987,431 | 12,569 | - | - | - | - | 49,987,431 |
| FUND 2610 | T-BILL | 525998 | BONY | 85 | RBC | 8/15/2019 | 8/20/2019 | 8/15/2019 | Purchased | 1.81 | 1.81 | 16,192,000 | 16,187,930 | 4,070 | - | - | - | - | 16,187,930 |
| FUND 2610 | T-BILL | 525997 | BONY | 85 | RBC | 8/15/2019 | 8/20/2019 | 8/20/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,987,431 | - | - | 12,569 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 525998 | BONY | 85 | RBC | 8/15/2019 | 8/20/2019 | 8/20/2019 | Matured | 1.81 | 1.81 | 16,192,000 | 16,187,930 | - | - | 4,070 | - | - | 16,192,000 |
| FUND 2610 | T-BILL | 526047 | BONY | 85 | DAIWA | 8/20/2019 | 9/17/2019 | 8/20/2019 | Purchased | 2.015 | 2.018 | 50,000,000 | 49,921,639 | 78,361 | - | - | - | - | 49,921,639 |
| FUND 2610 | T-BILL | 526048 | BONY | 85 | DAIWA | 8/20/2019 | 9/17/2019 | 8/20/2019 | Purchased | 2.015 | 2.018 | 4,281,000 | 4,274,291 | 6,709 | - | - | - | - | 4,274,291 |
| FUND 2610 | T-BILL | 525615 | BONY | 85 | CANT | 7/12/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.09 | 2.095 | 50,000,000 | 49,880,986 | - | - | 119,014 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2610 | T-BILL | 525946 | BONY | 85 | CANT | 7/12/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.09 | 2.095 | 6,281,000 | 6,266,049 | - | - | 14,951 | - | - | 6,281,000 |
| FUND 2610 | T-BILL | 526096 | BONY | 85 | MERIL | 8/22/2019 | 9/17/2019 | 8/22/2019 | Purchased | 2 | 2.003 | 15,626,000 | 15,603,429 | 22,571 | - | - | - | - | 15,603,429 |
| FUND 2610 | T-BILL | 525860 | BONY | 85 | CANT | 8/6/2019 | 9/3/2019 | 8/29/2019 | Partial Sale | 2.02 | 2.023 | 11,862,000 | 11,843,363 | 18,637 | - | 15,309 | - | 33 | 11,858,705 |
| FUND 2610 | T-BILL | 525859 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.02 | 2.023 | 50,000,000 | 49,921,444 | - | - | 78,556 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526164 | BONY | 85 | DAIWA | 8/6/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.02 | 2.023 | 6,635,000 | 6,624,576 | - | - | 10,424 | - | - | 6,635,000 |
| FUND 2610 | T-BILL | 526183 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 50,000,000 | 49,996,222 | 3,778 | - | - | - | - | 49,996,222 |
| FUND 2610 | T-BILL | 526184 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 6,639,000 | 6,638,498 | 502 | - | - | - | - | 6,638,498 |
| FUND 2610 | COMM PAPER | 526201 | BONY | 85 | CANT | 9/4/2019 | 9/6/2019 | 9/4/2019 | Purchased | 2.09 | 2.09 | 2,000,000 | 1,999,768 | 232 | - | - | - | - | 1,999,768 |
| FUND 2610 | T-BILL | 526183 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 50,000,000 | 49,996,222 | - | - | 3,778 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526184 | BONY | 85 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 6,639,000 | 6,638,498 | - | - | 502 | - | - | 6,639,000 |
| FUND 2610 | T-BILL | 526218 | BONY | 85 | BOFAB | 9/5/2019 | 9/17/2019 | 9/5/2019 | Purchased | 2.02 | 2.021 | 3,365,000 | 3,362,734 | 2,266 | - | - | - | - | 3,362,734 |
| FUND 2610 | COMM PAPER | 526201 | BONY | 85 | CANT | 9/4/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.09 | 2.09 | 2,000,000 | 1,999,768 | - | - | 232 | - | - | 2,000,000 |
| FUND 2610 | T-BILL | 526228 | BONY | 85 | BOFAB | 9/6/2019 | 9/10/2019 | 9/6/2019 | Purchased | 1.997 | 1.998 | 50,000,000 | 49,988,903 | 11,097 | - | - | - | - | 49,988,903 |
| FUND 2610 | T-BILL | 526229 | BONY | 85 | CANT | 9/6/2019 | 9/19/2019 | 9/6/2019 | Purchased | 1.98 | 1.981 | 50,000,000 | 49,964,250 | 35,750 | - | - | - | - | 49,964,250 |
| FUND 2610 | T-BILL | 526230 | BONY | 85 | CANT | 9/6/2019 | 9/19/2019 | 9/6/2019 | Purchased | 1.98 | 1.981 | 50,000,000 | 49,964,250 | 35,750 | - | - | - | - | 49,964,250 |
| FUND 2610 | T-BILL | 526231 | BONY | 85 | CANT | 9/6/2019 | 9/26/2019 | 9/6/2019 | Purchased | 1.91 | 1.912 | 50,000,000 | 49,946,944 | 53,056 | - | - | - | - | 49,946,944 |
| FUND 2610 | T-BILL | 526232 | BONY | 85 | CANT | 9/6/2019 | 9/26/2019 | 9/6/2019 | Purchased | 1.91 | 1.912 | 4,537,000 | 4,532,186 | 4,814 | - | - | - | - | 4,532,186 |
| FUND 2610 | T-BILL | 525907 | BONY | 85 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 31,898,000 | 31,798,717 | - | - | 99,283 | - | - | 31,898,000 |
| FUND 2610 | T-BILL | 526228 | BONY | 85 | BOFAB | 9/6/2019 | 9/10/2019 | 9/10/2019 | Matured | 1.997 | 1.998 | 50,000,000 | 49,988,903 | - | - | 11,097 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526299 | BONY | 85 | BOFAB | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 49,528,000 | 49,446,898 | 81,102 | - | - | - | - | 49,446,898 |
| FUND 2610 | T-BILL | 526047 | BONY | 85 | BOFAB | 8/20/2019 | 9/17/2019 | 9/13/2019 | Partial Sale | 2.015 | 2.018 | 17,445,000 | 17,417,660 | 27,340 | - | 23,434 | - | 48 | 17,441,046 |
| FUND 2610 | T-BILL | 526048 | BONY | 85 | DAIWA | 8/20/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.015 | 2.018 | 4,281,000 | 4,274,291 | - | - | 6,709 | - | - | 4,281,000 |
| FUND 2610 | T-BILL | 526096 | BONY | 85 | MERIL | 8/22/2019 | 9/17/2019 | 9/17/2019 | Matured | 2 | 2.003 | 15,626,000 | 15,603,429 | - | - | 22,571 | - | - | 15,626,000 |
| FUND 2610 | T-BILL | 526218 | BONY | 85 | BOFAB | 9/5/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.02 | 2.021 | 3,365,000 | 3,362,734 | - | - | 2,266 | - | - | 3,365,000 |
| FUND 2610 | T-BILL | 526348 | BONY | 85 | DAIWA | 8/20/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.015 | 2.018 | 32,555,000 | 32,503,979 | - | - | 51,021 | - | - | 32,555,000 |
| FUND 2610 | T-BILL | 526371 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/17/2019 | Purchased | 2.01 | 2.011 | 50,000,000 | 49,980,458 | 19,542 | - | - | - | - | 49,980,458 |
| FUND 2610 | T-BILL | 526372 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/17/2019 | Purchased | 2.01 | 2.011 | 5,849,000 | 5,846,714 | 2,286 | - | - | - | - | 5,846,714 |
| FUND 2610 | T-BILL | 526229 | BONY | 85 | CANT | 9/6/2019 | 9/19/2019 | 9/19/2019 | Matured | 1.98 | 1.981 | 50,000,000 | 49,964,250 | - | - | 35,750 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526230 | BONY | 85 | CANT | 9/6/2019 | 9/19/2019 | 9/19/2019 | Matured | 1.98 | 1.981 | 50,000,000 | 49,964,250 | - | - | 35,750 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526406 | BONY | 85 | CANT | 9/19/2019 | 10/17/2019 | 9/19/2019 | Purchased | 1.823 | 1.825 | 50,000,000 | 49,929,125 | 70,875 | - | - | - | - | 49,929,125 |
| FUND 2610 | T-BILL | 526407 | BONY | 85 | CANT | 9/19/2019 | 10/17/2019 | 9/19/2019 | Purchased | 1.822 | 1.825 | 26,103,000 | 26,065,999 | 37,001 | - | - | - | - | 26,065,999 |
| FUND 2610 | T-BILL | 526371 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.01 | 2.011 | 50,000,000 | 49,980,458 | - | - | 19,542 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526372 | BONY | 85 | MERIL | 9/17/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.01 | 2.011 | 5,849,000 | 5,846,714 | - | - | 2,286 | - | - | 5,849,000 |
| FUND 2610 | T-BILL | 526445 | BONY | 85 | DAIWA | 9/24/2019 | 10/22/2019 | 9/24/2019 | Purchased | 1.89 | 1.893 | 41,622,000 | 41,560,816 | 61,184 | - | - | - | - | 41,560,816 |
| FUND 2610 | T-BILL | 526231 | BONY | 85 | CANT | 9/6/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.91 | 1.912 | 50,000,000 | 49,946,944 | - | - | 53,056 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526232 | BONY | 85 | CANT | 9/6/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.91 | 1.912 | 4,537,000 | 4,532,186 | - | - | 4,814 | - | - | 4,537,000 |
| FUND 2610 | T-BILL | 526483 | BONY | 85 | CANT | 9/26/2019 | 10/10/2019 | 9/26/2019 | Purchased | 1.6 | 1.601 | 50,000,000 | 49,968,889 | 31,111 | - | - | - | - | 49,968,889 |
| FUND 2610 | T-BILL | 526484 | BONY | 85 | CANT | 9/26/2019 | 10/10/2019 | 9/26/2019 | Purchased | 1.6 | 1.601 | 4,571,000 | 4,568,156 | 2,844 | - | - | - | - | 4,568,156 |
| FUND 2610 | T-BILL | 526299 | BONY | 85 | DAIWA | 9/10/2019 | 10/10/2019 | 9/30/2019 | Partial Sale | 1.965 | 1.968 | 15,242,000 | 15,217,041 | 24,959 | - | 16,639 | - | 699 | 15,234,379 |
| FUND 2610 | T-BILL | 526406 | BONY | 85 | BOFAB | 9/19/2019 | 10/17/2019 | 10/3/2019 | Partial Sale | 1.823 | 1.825 | 48,862,000 | 48,792,738 | 69,262 | - | 34,631 | - | 1,378 | 48,828,747 |
| FUND 2610 | T-BILL | 526407 | BONY | 85 | DAIWA | 9/19/2019 | 10/17/2019 | 10/8/2019 | Partial Sale | 1.822 | 1.825 | 3,134,000 | 3,129,558 | 4,442 | - | 3,015 | - | 80 | 3,132,652 |
| FUND 2610 | T-BILL | 526483 | BONY | 85 | CANT | 9/26/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.6 | 1.601 | 50,000,000 | 49,968,889 | - | - | 31,111 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526484 | BONY | 85 | CANT | 9/26/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.6 | 1.601 | 4,571,000 | 4,568,156 | - | - | 2,844 | - | - | 4,571,000 |
| FUND 2610 | T-BILL | 526517 | BONY | 85 | BOFAB | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 34,286,000 | 34,229,857 | - | - | 56,143 | - | - | 34,286,000 |
| FUND 2610 | T-BILL | 526626 | BONY | 85 | DAIWA | 10/10/2019 | 10/22/2019 | 10/10/2019 | Purchased | 1.67 | 1.671 | 50,000,000 | 49,972,167 | 27,833 | - | - | - | - | 49,972,167 |
| FUND 2610 | T-BILL | 526627 | BONY | 85 | DAIWA | 10/10/2019 | 10/22/2019 | 10/10/2019 | Purchased | 1.67 | 1.671 | 22,426,000 | 22,413,516 | 12,484 | - | - | - | - | 22,413,516 |
| FUND 2610 | FHLB NOTES | 526694 | BONY | 85 | CANT | 10/10/2019 | 10/16/2019 | 10/10/2019 | Purchased | 1.65 | 1.65 | 6,002,000 | 6,000,349 | 1,651 | - | - | - | - | 6,000,349 |
| FUND 2610 | T-BILL | 526445 | BONY | 85 | BOFAB | 9/24/2019 | 10/22/2019 | 10/15/2019 | Partial Sale | 1.89 | 1.893 | 20,281,000 | 20,251,187 | 29,813 | - | 22,360 | - | 670 | 20,274,217 |
| FUND 2610 | FHLB NOTES | 526694 | BONY | 85 | CANT | 10/10/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.65 | 1.65 | 6,002,000 | 6,000,349 | - | - | 1,651 | - | - | 6,002,000 |
| FUND 2610 | T-BILL | 526706 | BONY | 85 | BOFAB | 10/16/2019 | 10/24/2019 | 10/16/2019 | Purchased | 1.61 | 1.611 | 50,000,000 | 49,982,111 | 17,889 | - | - | - | - | 49,982,111 |
| FUND 2610 | T-BILL | 526707 | BONY | 85 | BOFAB | 10/16/2019 | 10/24/2019 | 10/16/2019 | Purchased | 1.61 | 1.611 | 50,000,000 | 49,982,111 | 17,889 | - | - | - | - | 49,982,111 |
| FUND 2610 | T-BILL | 526708 | BONY | 85 | DAIWA | 10/16/2019 | 10/29/2019 | 10/16/2019 | Purchased | 1.62 | 1.621 | 50,000,000 | 49,970,750 | 29,250 | - | - | - | - | 49,970,750 |
| FUND 2610 | T-BILL | 526709 | BONY | 85 | DAIWA | 10/16/2019 | 10/29/2019 | 10/16/2019 | Purchased | 1.62 | 1.621 | 50,000,000 | 49,970,750 | 29,250 | - | - | - | - | 49,970,750 |
| FUND 2610 | T-BILL | 526710 | BONY | 85 | BOFAB | 10/16/2019 | 11/12/2019 | 10/16/2019 | Purchased | 1.675 | 1.677 | 50,000,000 | 49,937,188 | 62,813 | - | - | - | - | 49,937,188 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2610 | T-BILL | 526711 | BONY | 85 | BOFAB | 10/16/2019 | 11/12/2019 | 10/16/2019 | Purchased | 1.675 | 1.677 | 50,000,000 | 49,937,188 | 62,813 | - | - | - | - | 49,937,188 |
| FUND 2610 | T-BILL | 526712 | BONY | 85 | BOFAB | 10/16/2019 | 11/12/2019 | 10/16/2019 | Purchased | 1.675 | 1.677 | 50,000,000 | 49,937,188 | 62,813 | - | - | - | - | 49,937,188 |
| FUND 2610 | T-BILL | 526713 | BONY | 85 | BOFAB | 10/16/2019 | 12/3/2019 | 10/16/2019 | Purchased | 1.62 | 1.624 | 50,000,000 | 49,892,000 | 108,000 | - | - | - | - | 49,892,000 |
| FUND 2610 | T-BILL | 526714 | BONY | 85 | BOFAB | 10/16/2019 | 12/3/2019 | 10/16/2019 | Purchased | 1.62 | 1.624 | 50,000,000 | 49,892,000 | 108,000 | - | - | - | - | 49,892,000 |
| FUND 2610 | T-BILL | 526715 | BONY | 85 | BOFAB | 10/16/2019 | 12/10/2019 | 10/16/2019 | Purchased | 1.635 | 1.639 | 50,000,000 | 49,875,104 | 124,896 | - | - | - | - | 49,875,104 |
| FUND 2610 | T-BILL | 526716 | BONY | 85 | BOFAB | 10/16/2019 | 12/10/2019 | 10/16/2019 | Purchased | 1.635 | 1.639 | 50,000,000 | 49,875,104 | 124,896 | - | - | - | - | 49,875,104 |
| FUND 2610 | T-BILL | 526717 | BONY | 85 | DAIWA | 10/16/2019 | 1/16/2020 | 10/16/2019 | Purchased | 1.62 | 1.627 | 50,000,000 | 49,793,000 | 207,000 | - | - | - | - | 49,793,000 |
| FUND 2610 | T-BILL | 526718 | BONY | 85 | DAIWA | 10/16/2019 | 1/16/2020 | 10/16/2019 | Purchased | 1.62 | 1.627 | 14,220,000 | 14,161,129 | 58,871 | - | - | - | - | 14,161,129 |
| FUND 2610 | T-BILL | 526576 | BONY | 85 | CANT | 9/19/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.823 | 1.825 | 1,138,000 | 1,136,387 | - | - | 1,613 | - | - | 1,138,000 |
| FUND 2610 | T-BILL | 526611 | BONY | 85 | CANT | 9/19/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.822 | 1.825 | 22,969,000 | 22,936,441 | - | - | 32,559 | - | - | 22,969,000 |
| FUND 2610 | T-BILL | 526726 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 22,003,000 | 21,949,203 | 53,797 | - | - | - | - | 21,949,203 |
| FUND 2610 | T-BILL | 526626 | BONY | 85 | DAIWA | 10/10/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.67 | 1.671 | 50,000,000 | 49,972,167 | - | - | 27,833 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526627 | BONY | 85 | DAIWA | 10/10/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.67 | 1.671 | 22,426,000 | 22,413,516 | - | - | 12,484 | - | - | 22,426,000 |
| FUND 2610 | T-BILL | 526691 | BONY | 85 | DAIWA | 9/24/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.89 | 1.893 | 21,341,000 | 21,309,629 | - | - | 31,371 | - | - | 21,341,000 |
| FUND 2610 | T-BILL | 526780 | BONY | 85 | BOFAB | 10/22/2019 | 11/19/2019 | 10/22/2019 | Purchased | 1.716 | 1.718 | 50,000,000 | 49,933,286 | 66,714 | - | - | - | - | 49,933,286 |
| FUND 2610 | T-BILL | 526781 | BONY | 85 | BOFAB | 10/22/2019 | 11/19/2019 | 10/22/2019 | Purchased | 1.715 | 1.718 | 43,893,000 | 43,834,435 | 58,565 | - | - | - | - | 43,834,435 |
| FUND 2610 | T-BILL | 526706 | BONY | 85 | BOFAB | 10/16/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.61 | 1.611 | 50,000,000 | 49,982,111 | - | - | 17,889 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526707 | BONY | 85 | BOFAB | 10/16/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.61 | 1.611 | 50,000,000 | 49,982,111 | - | - | 17,889 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526804 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 10/24/2019 | Purchased | 1.705 | 1.707 | 50,000,000 | 49,938,431 | 61,569 | - | - | - | - | 49,938,431 |
| FUND 2610 | T-BILL | 526805 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 10/24/2019 | Purchased | 1.705 | 1.707 | 36,956,000 | 36,910,493 | 45,507 | - | - | - | - | 36,910,493 |
| FUND 2610 | T-BILL | 526708 | BONY | 85 | DAIWA | 10/16/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.62 | 1.621 | 50,000,000 | 49,970,750 | - | - | 29,250 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526709 | BONY | 85 | DAIWA | 10/16/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.62 | 1.621 | 50,000,000 | 49,970,750 | - | - | 29,250 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526835 | BONY | 85 | BOFAB | 10/29/2019 | 10/31/2019 | 10/29/2019 | Purchased | 1.67 | 1.67 | 50,000,000 | 49,995,361 | 4,639 | - | - | - | - | 49,995,361 |
| FUND 2610 | T-BILL | 526836 | BONY | 85 | DAIWA | 10/29/2019 | 1/9/2020 | 10/29/2019 | Purchased | 1.55 | 1.555 | 50,000,000 | 49,845,000 | 155,000 | - | - | - | - | 49,845,000 |
| FUND 2610 | T-BILL | 526837 | BONY | 85 | DAIWA | 10/29/2019 | 1/9/2020 | 10/29/2019 | Purchased | 1.55 | 1.555 | 160,000 | 159,504 | 496 | - | - | - | - | 159,504 |
| FUND 2610 | T-BILL | 526835 | BONY | 85 | BOFAB | 10/29/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.67 | 1.67 | 50,000,000 | 49,995,361 | - | - | 4,639 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526850 | BONY | 85 | CANT | 10/31/2019 | 12/17/2019 | 10/31/2019 | Purchased | 1.516 | 1.519 | 20,448,000 | 20,407,542 | 40,458 | - | - | - | - | 20,407,542 |
| FUND 2610 | T-BILL | 526780 | BONY | 85 | DAIWA | 10/22/2019 | 11/19/2019 | 11/5/2019 | Partial Sale | 1.716 | 1.718 | 46,101,000 | 46,039,488 | 61,512 | - | 30,756 | - | 3,595 | 46,073,839 |
| FUND 2610 | T-BILL | 526710 | BONY | 85 | DAIWA | 10/16/2019 | 11/12/2019 | 11/7/2019 | Final Sale | 1.675 | 1.677 | 50,000,000 | 49,937,188 | 62,813 | - | 51,181 | - | 1,354 | 49,989,722 |
| FUND 2610 | T-BILL | 526711 | BONY | 85 | DAIWA | 10/16/2019 | 11/12/2019 | 11/7/2019 | Partial Sale | 1.675 | 1.677 | 4,184,000 | 4,178,744 | 5,256 | - | 4,283 | - | 113 | 4,183,140 |
| FUND 2610 | T-BILL | 526935 | BONY | 85 | CANT | 11/7/2019 | 12/17/2019 | 11/7/2019 | Purchased | 1.47 | 1.472 | 46,000 | 45,925 | 75 | - | - | - | - | 45,925 |
| FUND 2610 | T-BILL | 526712 | BONY | 85 | BOFAB | 10/16/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.675 | 1.677 | 50,000,000 | 49,937,188 | - | - | 62,813 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526940 | BONY | 85 | BOFAB | 10/16/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.675 | 1.677 | 45,816,000 | 45,758,444 | - | - | 57,556 | - | - | 45,816,000 |
| FUND 2610 | T-BILL | 526958 | BONY | 85 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 37,522,000 | 37,432,989 | 89,011 | - | - | - | - | 37,432,989 |
| FUND 2610 | T-BILL | 526962 | BONY | 85 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 50,000,000 | 49,881,389 | 118,611 | - | - | - | - | 49,881,389 |
| FUND 2610 | T-BILL | 526836 | BONY | 85 | DAIWA | 10/29/2019 | 1/9/2020 | 11/14/2019 | Partial Sale | 1.55 | 1.555 | 8,065,000 | 8,039,999 | 25,002 | - | 5,556 | - | 376 | 8,045,931 |
| FUND 2610 | T-BILL | 526781 | BONY | 85 | BOFAB | 10/22/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.715 | 1.718 | 43,893,000 | 43,834,435 | - | - | 58,565 | - | - | 43,893,000 |
| FUND 2610 | T-BILL | 526804 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.705 | 1.707 | 50,000,000 | 49,938,431 | - | - | 61,569 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526805 | BONY | 85 | DAIWA | 10/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.705 | 1.707 | 36,956,000 | 36,910,493 | - | - | 45,507 | - | - | 36,956,000 |
| FUND 2610 | T-BILL | 526906 | BONY | 85 | BOFAB | 10/22/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.716 | 1.718 | 3,899,000 | 3,893,798 | - | - | 5,202 | - | - | 3,899,000 |
| FUND 2610 | T-BILL | 527060 | BONY | 85 | DAIWA | 11/19/2019 | 12/17/2019 | 11/19/2019 | Purchased | 1.545 | 1.547 | 50,000,000 | 49,939,917 | 60,083 | - | - | - | - | 49,939,917 |
| FUND 2610 | T-BILL | 527061 | BONY | 85 | DAIWA | 11/19/2019 | 12/17/2019 | 11/19/2019 | Purchased | 1.545 | 1.547 | 48,298,000 | 48,239,962 | 58,038 | - | - | - | - | 48,239,962 |
| FUND 2610 | T-BILL | 526726 | BONY | 85 | CANT | 10/17/2019 | 12/10/2019 | 11/21/2019 | Partial Sale | 1.63 | 1.634 | 13,104,000 | 13,071,961 | 32,039 | - | 20,766 | - | 726 | 13,093,453 |
| FUND 2610 | T-BILL | 527009 | BONY | 85 | DAIWA | 10/29/2019 | 1/9/2020 | 11/26/2019 | Partial Sale | 1.55 | 1.555 | 6,493,000 | 6,472,872 | 20,128 | - | 7,828 | - | - | 6,480,699 |
| FUND 2610 | T-BILL | 527146 | BONY | 85 | MERIL | 10/29/2019 | 1/9/2020 | 11/27/2019 | Partial Sale | 1.55 | 1.555 | 5,579,000 | 5,561,705 | 17,295 | - | 6,966 | - | - | 5,568,671 |
| FUND 2610 | T-BILL | 526713 | BONY | 85 | BOFAB | 10/16/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.62 | 1.624 | 50,000,000 | 49,892,000 | - | - | 108,000 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 526714 | BONY | 85 | BOFAB | 10/16/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.62 | 1.624 | 50,000,000 | 49,892,000 | - | - | 108,000 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 527195 | BONY | 85 | CANT | 12/3/2019 | 12/5/2019 | 12/3/2019 | Purchased | 1.39 | 1.39 | 50,000,000 | 49,996,139 | 3,861 | - | - | - | - | 49,996,139 |
| FUND 2610 | T-BILL | 527196 | BONY | 85 | CANT | 12/3/2019 | 12/5/2019 | 12/3/2019 | Purchased | 1.39 | 1.39 | 18,650,000 | 18,648,560 | 1,440 | - | - | - | - | 18,648,560 |
| FUND 2610 | T-BILL | 527195 | BONY | 85 | CANT | 12/3/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.39 | 1.39 | 50,000,000 | 49,996,139 | - | - | 3,861 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 527196 | BONY | 85 | CANT | 12/3/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.39 | 1.39 | 18,650,000 | 18,648,560 | - | - | 1,440 | - | - | 18,650,000 |
| FUND 2610 | T-BILL | 527262 | BONY | 85 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 50,000,000 | 49,920,000 | 80,000 | - | - | - | - | 49,920,000 |
| FUND 2610 | T-BILL | 527263 | BONY | 85 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 18,760,000 | 18,729,984 | 30,016 | - | - | - | - | 18,729,984 |
| FUND 2610 | T-BILL | 526715 | BONY | 85 | DAIWA | 10/16/2019 | 12/10/2019 | 12/9/2019 | Final Sale | 1.635 | 1.639 | 50,000,000 | 49,875,104 | 124,896 | - | 122,625 | - | 271 | 49,998,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 2610 | T-BILL | 526716 | BONY | 85 | DAIWA | 10/16/2019 | 12/10/2019 | 12/9/2019 | Partial Sale | 1.635 | 1.639 | 11,813,000 | 11,783,492 | 29,508 | - | 28,971 | - | 64 | 11,812,527 |
| FUND 2610 | T-BILL | 527103 | BONY | 85 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 8,899,000 | 8,877,242 | - | - | 21,758 | - | - | 8,899,000 |
| FUND 2610 | T-BILL | 527308 | BONY | 85 | BOFAB | 10/16/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.635 | 1.639 | 38,187,000 | 38,091,612 | - | - | 95,388 | - | - | 38,187,000 |
| FUND 2610 | T-BILL | 527322 | BONY | 85 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 47,156,000 | 47,085,482 | 70,518 | - | - | - | - | 47,085,482 |
| FUND 2610 | T-BILL | 527061 | BONY | 85 | BOFAB | 11/19/2019 | 12/17/2019 | 12/12/2019 | Partial Sale | 1.545 | 1.547 | 22,215,000 | 22,188,305 | 26,695 | - | 21,928 | - | 201 | 22,210,434 |
| FUND 2610 | T-BILL | 526850 | BONY | 85 | CANT | 10/31/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.516 | 1.519 | 20,448,000 | 20,407,542 | - | - | 40,458 | - | - | 20,448,000 |
| FUND 2610 | T-BILL | 526935 | BONY | 85 | CANT | 11/7/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.47 | 1.472 | 46,000 | 45,925 | - | - | 75 | - | - | 46,000 |
| FUND 2610 | T-BILL | 527060 | BONY | 85 | DAIWA | 11/19/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.547 | 50,000,000 | 49,939,917 | - | - | 60,083 | - | - | 50,000,000 |
| FUND 2610 | T-BILL | 527388 | BONY | 85 | DAIWA | 11/19/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.547 | 26,083,000 | 26,051,657 | - | - | 31,343 | - | - | 26,083,000 |
| FUND 2610 | T-BILL | 527442 | BONY | 85 | DAIWA | 12/17/2019 | 1/7/2020 | 12/17/2019 | Purchased | 1.52 | 1.521 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2610 | T-BILL | 527443 | BONY | 85 | DAIWA | 12/17/2019 | 1/7/2020 | 12/17/2019 | Purchased | 1.52 | 1.521 | 37,515,000 | 37,481,737 | 33,263 | - | - | - | - | 37,481,737 |
| FUND 2610 | T-BILL | 527158 | BONY | 85 | MERIL | 10/29/2019 | 1/9/2020 | 12/19/2019 | Partial Sale | 1.55 | 1.555 | 3,868,000 | 3,856,009 | 11,991 | - | 8,493 | - | 79 | 3,864,582 |
| FUND 2610 | T-BILL | 527442 | BONY | 85 | CANT | 12/17/2019 | 1/7/2020 | 12/26/2019 | Partial Sale | 1.52 | 1.521 | 44,000,000 | 43,960,987 | 39,013 | - | 16,720 | - | 220 | 43,977,927 |
| FUND 2610 | T-BILL | 526958 | BONY | 85 | BOFAB | 11/12/2019 | 1/7/2020 | 12/30/2019 | Partial Sale | 1.525 | 1.529 | 34,590,000 | 34,507,945 | 82,055 | - | 70,333 | - | 115 | 34,578,393 |
| FUND 2610 Total | | | | | | | | | | | | 5,799,428,000 | 5,792,274,254 | 4,984,342 | - | 2,916,908 | - | 16,753 | 5,795,207,771 |
| FUND 2631 | T-BILL | 523471 | BONY | 89 | DAIWA | 10/4/2018 | 1/3/2019 | 1/3/2019 | Matured | 2.175 | 2.187 | 6,008,000 | 5,974,969 | - | - | 33,031 | - | - | 6,008,000 |
| FUND 2631 | FNMA NOTES | 523513 | BONY | 89 | BOFAB | 1/3/2019 | 3/14/2019 | 1/3/2019 | Purchased | 2.36 | 2.371 | 6,036,000 | 6,008,301 | 27,699 | - | - | - | - | 6,008,301 |
| FUND 2631 | FHLB NOTES | 520009 | BONY | 89 | DAIWA | 1/8/2018 | 1/4/2019 | 1/4/2019 | Matured | 1.79 | 1.823 | 9,457,000 | 9,287,250 | - | - | 169,751 | - | - | 9,457,000 |
| FUND 2631 | COMM PAPER | 523406 | BONY | 89 | RBC | 12/20/2018 | 1/4/2019 | 1/4/2019 | Matured | 2.395 | 2.397 | 2,444,000 | 2,441,561 | - | - | 2,439 | - | - | 2,444,000 |
| FUND 2631 | COMM PAPER | 523523 | BONY | 89 | RBC | 1/4/2019 | 3/4/2019 | 1/4/2019 | Purchased | 2.6 | 2.611 | 11,951,000 | 11,900,075 | 50,925 | - | - | - | - | 11,900,075 |
| FUND 2631 | COMM PAPER | 523181 | BONY | 89 | MERIL | 12/5/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.405 | 2.41 | 50,000,000 | 49,886,431 | - | - | 113,569 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 523182 | BONY | 89 | MERIL | 12/5/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.405 | 2.41 | 6,617,000 | 6,601,970 | - | - | 15,030 | - | - | 6,617,000 |
| FUND 2631 | T-BILL | 523472 | BONY | 89 | BOFAB | 12/11/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.27 | 2.274 | 11,832,000 | 11,811,110 | - | - | 20,890 | - | - | 11,832,000 |
| FUND 2631 | T-BILL | 523479 | BONY | 89 | BOFAB | 12/11/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.27 | 2.274 | 7,391,000 | 7,377,951 | - | - | 13,049 | - | - | 7,391,000 |
| FUND 2631 | COMM PAPER | 523541 | BONY | 89 | MERIL | 1/8/2019 | 2/11/2019 | 1/8/2019 | Purchased | 2.46 | 2.466 | 26,016,000 | 25,955,556 | 60,444 | - | - | - | - | 25,955,556 |
| FUND 2631 | COMM PAPER | 523542 | BONY | 89 | MERIL | 1/8/2019 | 2/11/2019 | 1/8/2019 | Purchased | 2.46 | 2.466 | 50,000,000 | 49,883,833 | 116,167 | - | - | - | - | 49,883,833 |
| FUND 2631 | T-BILL | 522367 | BONY | 89 | DAIWA | 9/13/2018 | 1/10/2019 | 1/9/2019 | Final Sale | 2.145 | 2.16 | 50,000,000 | 49,645,479 | 354,521 | - | 351,542 | - | 361 | 49,996,660 |
| FUND 2631 | T-BILL | 522368 | BONY | 89 | DAIWA | 9/13/2018 | 1/10/2019 | 1/9/2019 | Final Sale | 2.145 | 2.16 | 21,800,000 | 21,645,429 | 154,571 | - | 153,272 | - | 157 | 21,798,544 |
| FUND 2631 | T-BILL | 523377 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/9/2019 | Final Sale | 2.29 | 2.294 | 50,000,000 | 49,917,306 | 82,694 | - | 63,611 | - | 125 | 49,980,792 |
| FUND 2631 | T-BILL | 523388 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/9/2019 | Partial Sale | 2.29 | 2.294 | 43,117,000 | 43,045,689 | 71,311 | - | 54,854 | - | 108 | 43,100,436 |
| FUND 2631 | COMM PAPER | 522988 | BONY | 89 | RBC | 11/14/2018 | 1/14/2019 | 1/14/2019 | Matured | 2.385 | 2.395 | 34,961,000 | 34,819,714 | - | - | 141,286 | - | - | 34,961,000 |
| FUND 2631 | COMM PAPER | 523612 | BONY | 89 | MERIL | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.36 | 2.36 | 34,963,000 | 34,960,708 | 2,292 | - | - | - | - | 34,960,708 |
| FUND 2631 | T-BILL | 523459 | BONY | 89 | BOFAB | 12/27/2018 | 1/22/2019 | 1/15/2019 | Final Sale | 2.32 | 2.324 | 50,000,000 | 49,916,222 | 83,778 | - | 61,222 | - | 146 | 49,977,299 |
| FUND 2631 | T-BILL | 523378 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523379 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523380 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523381 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523382 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523383 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523384 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523385 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523386 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523387 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523389 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523390 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 50,000,000 | 49,917,306 | - | - | 82,694 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523391 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 1,160,000 | 1,158,081 | - | - | 1,919 | - | - | 1,160,000 |
| FUND 2631 | T-BILL | 523564 | BONY | 89 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.29 | 2.294 | 6,883,000 | 6,871,616 | - | - | 11,384 | - | - | 6,883,000 |
| FUND 2631 | COMM PAPER | 523612 | BONY | 89 | MERIL | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.36 | 2.36 | 34,963,000 | 34,960,708 | - | - | 2,292 | - | - | 34,963,000 |
| FUND 2631 | T-BILL | 523461 | BONY | 89 | BOFAB | 12/27/2018 | 1/22/2019 | 1/15/2019 | Partial Sale | 2.32 | 2.324 | 7,020,000 | 7,008,238 | 11,762 | - | 8,596 | - | 20 | 7,016,813 |
| FUND 2631 | T-BILL | 522808 | BONY | 89 | RBC | 10/25/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.246 | 2.258 | 50,000,000 | 49,737,967 | - | - | 262,033 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 522809 | BONY | 89 | RBC | 10/25/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.246 | 2.258 | 1,388,000 | 1,380,726 | - | - | 7,274 | - | - | 1,388,000 |
| FUND 2631 | T-BILL | 523657 | BONY | 89 | RBC | 1/17/2019 | 4/11/2019 | 1/17/2019 | Partial Sale | 2.355 | 2.368 | 7,988,000 | 7,944,106 | 43,894 | - | - | - | - | 7,944,106 |
| FUND 2631 | T-BILL | 523657 | BONY | 89 | RBC | 1/17/2019 | 4/11/2019 | 1/17/2019 | Purchased | 2.355 | 2.368 | 18,705,000 | 18,602,216 | 102,784 | - | - | - | - | 18,602,216 |
| FUND 2631 | FFCB DISC | 523178 | BONY | 89 | DAIWA | 12/4/2018 | 1/18/2019 | 1/18/2019 | Matured | 2.31 | 2.317 | 26,479,000 | 26,402,542 | - | - | 76,458 | - | - | 26,479,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | COMM PAPER | 523694 | BONY | 89 | RBC | 1/18/2019 | 2/19/2019 | 1/18/2019 | Purchased | 2.45 | 2.455 | 26,537,000 | 26,479,208 | 57,792 | - | - | - | - | 26,479,208 |
| FUND 2631 | T-BILL | 523460 | BONY | 89 | DAIWA | 12/27/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,916,222 | - | - | 83,778 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523642 | BONY | 89 | DAIWA | 12/27/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.32 | 2.324 | 32,714,000 | 32,659,186 | - | - | 54,814 | - | - | 32,714,000 |
| FUND 2631 | COMM PAPER | 523702 | BONY | 89 | MERIL | 1/22/2019 | 3/8/2019 | 1/22/2019 | Purchased | 2.47 | 2.478 | 50,000,000 | 49,845,625 | 154,375 | - | - | - | - | 49,845,625 |
| FUND 2631 | COMM PAPER | 523703 | BONY | 89 | MERIL | 1/22/2019 | 3/8/2019 | 1/22/2019 | Purchased | 2.47 | 2.478 | 32,970,000 | 32,868,205 | 101,795 | - | - | - | - | 32,868,205 |
| FUND 2631 | T-BILL | 523006 | BONY | 89 | BOFAB | 11/15/2018 | 1/24/2019 | 1/24/2019 | Matured | 2.27 | 2.28 | 25,669,000 | 25,555,700 | - | - | 113,300 | - | - | 25,669,000 |
| FUND 2631 | FRED MAC | 523726 | BONY | 89 | DAIWA | 1/24/2019 | 4/17/2019 | 1/24/2019 | Purchased | 2.375 | 2.388 | 25,811,000 | 25,669,667 | 141,333 | - | - | - | - | 25,669,667 |
| FUND 2631 | T-BILL | 523324 | BONY | 89 | DAIWA | 12/17/2018 | 1/29/2019 | 1/29/2019 | Matured | 2.32 | 2.326 | 50,000,000 | 49,861,444 | - | - | 138,556 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523325 | BONY | 89 | DAIWA | 12/17/2018 | 1/29/2019 | 1/29/2019 | Matured | 2.32 | 2.326 | 35,784,000 | 35,684,839 | - | - | 99,161 | - | - | 35,784,000 |
| FUND 2631 | T-BILL | 523771 | BONY | 89 | DAIWA | 1/29/2019 | 2/5/2019 | 1/29/2019 | Purchased | 2.25 | 2.251 | 50,000,000 | 49,978,125 | 21,875 | - | - | - | - | 49,978,125 |
| FUND 2631 | T-BILL | 523772 | BONY | 89 | DAIWA | 1/29/2019 | 2/5/2019 | 1/29/2019 | Purchased | 2.25 | 2.251 | 32,134,000 | 32,119,941 | 14,059 | - | - | - | - | 32,119,941 |
| FUND 2631 | T-BILL | 523771 | BONY | 89 | DAIWA | 1/29/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.25 | 2.251 | 50,000,000 | 49,978,125 | - | - | 21,875 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523772 | BONY | 89 | DAIWA | 1/29/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.25 | 2.251 | 32,134,000 | 32,119,941 | - | - | 14,059 | - | - | 32,134,000 |
| FUND 2631 | FHLB NOTES | 523842 | BONY | 89 | BOFAB | 2/5/2019 | 4/23/2019 | 2/5/2019 | Purchased | 2.38 | 2.392 | 40,000,000 | 39,796,378 | 203,622 | - | - | - | - | 39,796,378 |
| FUND 2631 | FHLB NOTES | 523843 | BONY | 89 | DAIWA | 2/5/2019 | 5/3/2019 | 2/5/2019 | Purchased | 2.38 | 2.394 | 42,583,000 | 42,338,077 | 244,923 | - | - | - | - | 42,338,077 |
| FUND 2631 | T-BILL | 522646 | BONY | 89 | DAIWA | 10/11/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.25 | 2.267 | 50,000,000 | 49,628,125 | - | - | 371,875 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 522647 | BONY | 89 | DAIWA | 10/11/2018 | 2/7/2019 | 2/7/2019 | Matured | 2.25 | 2.267 | 46,698,000 | 46,350,684 | - | - | 347,316 | - | - | 46,698,000 |
| FUND 2631 | COMM PAPER | 523910 | BONY | 89 | RBC | 2/7/2019 | 6/19/2019 | 2/7/2019 | Purchased | 2.56 | 2.584 | 42,310,000 | 41,912,850 | 397,150 | - | - | - | - | 41,912,850 |
| FUND 2631 | COMM PAPER | 523911 | BONY | 89 | RBC | 2/7/2019 | 6/19/2019 | 2/7/2019 | Purchased | 2.56 | 2.584 | 50,000,000 | 49,530,667 | 469,333 | - | - | - | - | 49,530,667 |
| FUND 2631 | COMM PAPER | 523541 | BONY | 89 | MERIL | 1/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.46 | 2.466 | 26,016,000 | 25,955,556 | - | - | 60,444 | - | - | 26,016,000 |
| FUND 2631 | COMM PAPER | 523542 | BONY | 89 | MERIL | 1/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.46 | 2.466 | 50,000,000 | 49,883,833 | - | - | 116,167 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 523952 | BONY | 89 | RBC | 2/11/2019 | 3/11/2019 | 2/11/2019 | Purchased | 2.422 | 2.427 | 50,000,000 | 49,905,792 | 94,208 | - | - | - | - | 49,905,792 |
| FUND 2631 | COMM PAPER | 523953 | BONY | 89 | RBC | 2/11/2019 | 3/11/2019 | 2/11/2019 | Purchased | 2.423 | 2.427 | 26,160,000 | 26,110,710 | 49,290 | - | - | - | - | 26,110,710 |
| FUND 2631 | T-BILL | 523392 | BONY | 89 | DAIWA | 12/20/2018 | 2/12/2019 | 2/12/2019 | Matured | 2.34 | 2.348 | 50,000,000 | 49,824,500 | - | - | 175,500 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523393 | BONY | 89 | DAIWA | 12/20/2018 | 2/12/2019 | 2/12/2019 | Matured | 2.34 | 2.348 | 18,832,000 | 18,765,900 | - | - | 66,100 | - | - | 18,832,000 |
| FUND 2631 | COMM PAPER | 523968 | BONY | 89 | MERIL | 2/12/2019 | 4/11/2019 | 2/12/2019 | Purchased | 2.46 | 2.47 | 44,253,000 | 44,077,611 | 175,389 | - | - | - | - | 44,077,611 |
| FUND 2631 | FFCB DISC | 523969 | BONY | 89 | BOFAB | 2/12/2019 | 7/8/2019 | 2/12/2019 | Purchased | 2.43 | 2.454 | 25,000,000 | 24,753,625 | 246,375 | - | - | - | - | 24,753,625 |
| FUND 2631 | T-BILL | 523973 | BONY | 89 | DAIWA | 2/13/2019 | 4/11/2019 | 2/13/2019 | Purchased | 2.37 | 2.379 | 3,027,000 | 3,015,641 | 11,359 | - | - | - | - | 3,015,641 |
| FUND 2631 | COMM PAPER | 523694 | BONY | 89 | RBC | 1/18/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.45 | 2.455 | 26,537,000 | 26,479,208 | - | - | 57,792 | - | - | 26,537,000 |
| FUND 2631 | FHLB NOTES | 524042 | BONY | 89 | RBC | 2/19/2019 | 4/9/2019 | 2/19/2019 | Purchased | 2.4 | 2.408 | 26,624,000 | 26,537,028 | 86,972 | - | - | - | - | 26,537,028 |
| FUND 2631 | T-BILL | 523136 | BONY | 89 | RBC | 11/29/2018 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.35 | 50,000,000 | 49,727,292 | - | - | 272,708 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 523137 | BONY | 89 | RBC | 11/29/2018 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.35 | 48,884,000 | 48,617,379 | - | - | 266,621 | - | - | 48,884,000 |
| FUND 2631 | T-BILL | 524072 | BONY | 89 | DAIWA | 2/21/2019 | 3/7/2019 | 2/21/2019 | Purchased | 2.335 | 2.337 | 50,000,000 | 49,954,597 | 45,403 | - | - | - | - | 49,954,597 |
| FUND 2631 | T-BILL | 524073 | BONY | 89 | DAIWA | 2/21/2019 | 2/28/2019 | 2/21/2019 | Purchased | 2.305 | 2.306 | 42,297,000 | 42,278,043 | 18,957 | - | - | - | - | 42,278,043 |
| FUND 2631 | T-BILL | 523281 | BONY | 89 | RBC | 12/13/2018 | 3/14/2019 | 2/27/2019 | Partial Sale | 2.375 | 2.389 | 1,240,000 | 1,232,556 | 7,444 | - | 6,217 | - | 17 | 1,238,790 |
| FUND 2631 | T-BILL | 524073 | BONY | 89 | DAIWA | 2/21/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.305 | 2.306 | 42,297,000 | 42,278,043 | - | - | 18,957 | - | - | 42,297,000 |
| FUND 2631 | FHLB NOTES | 524152 | BONY | 89 | BOFAB | 2/28/2019 | 4/23/2019 | 2/28/2019 | Purchased | 2.41 | 2.419 | 42,450,000 | 42,296,543 | 153,457 | - | - | - | - | 42,296,543 |
| FUND 2631 | COMM PAPER | 523523 | BONY | 89 | RBC | 1/4/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.6 | 2.611 | 11,951,000 | 11,900,075 | - | - | 50,925 | - | - | 11,951,000 |
| FUND 2631 | COMM PAPER | 524178 | BONY | 89 | RBC | 3/4/2019 | 5/3/2019 | 3/4/2019 | Purchased | 2.45 | 2.46 | 12,841,000 | 12,788,566 | 52,434 | - | - | - | - | 12,788,566 |
| FUND 2631 | T-BILL | 524072 | BONY | 89 | DAIWA | 2/21/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.337 | 50,000,000 | 49,954,597 | - | - | 45,403 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 524216 | BONY | 89 | RBC | 3/7/2019 | 4/11/2019 | 3/7/2019 | Purchased | 2.37 | 2.375 | 48,647,000 | 48,534,909 | 112,091 | - | - | - | - | 48,534,909 |
| FUND 2631 | FFCB DISC | 521087 | BONY | 89 | RBC | 5/2/2018 | 3/8/2019 | 3/8/2019 | Matured | 2.21 | 2.253 | 15,000,000 | 14,714,542 | - | - | 285,458 | - | - | 15,000,000 |
| FUND 2631 | COMM PAPER | 523702 | BONY | 89 | MERIL | 1/22/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.47 | 2.478 | 50,000,000 | 49,845,625 | - | - | 154,375 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 523703 | BONY | 89 | MERIL | 1/22/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.47 | 2.478 | 32,970,000 | 32,868,205 | - | - | 101,795 | - | - | 32,970,000 |
| FUND 2631 | COMM PAPER | 524236 | BONY | 89 | MERIL | 3/8/2019 | 5/6/2019 | 3/8/2019 | Purchased | 2.48 | 2.49 | 50,000,000 | 49,796,778 | 203,222 | - | - | - | - | 49,796,778 |
| FUND 2631 | COMM PAPER | 524237 | BONY | 89 | MERIL | 3/8/2019 | 5/6/2019 | 3/8/2019 | Purchased | 2.48 | 2.49 | 48,370,000 | 48,173,403 | 196,597 | - | - | - | - | 48,173,403 |
| FUND 2631 | COMM PAPER | 523952 | BONY | 89 | RBC | 2/11/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.422 | 2.427 | 50,000,000 | 49,905,792 | - | - | 94,208 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 523953 | BONY | 89 | RBC | 2/11/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.423 | 2.427 | 26,160,000 | 26,110,710 | - | - | 49,290 | - | - | 26,160,000 |
| FUND 2631 | COMM PAPER | 524253 | BONY | 89 | MERIL | 3/11/2019 | 5/10/2019 | 3/11/2019 | Purchased | 2.51 | 2.521 | 50,000,000 | 49,790,833 | 209,167 | - | - | - | - | 49,790,833 |
| FUND 2631 | COMM PAPER | 524254 | BONY | 89 | MERIL | 3/11/2019 | 5/10/2019 | 3/11/2019 | Purchased | 2.51 | 2.521 | 26,480,000 | 26,369,225 | 110,775 | - | - | - | - | 26,369,225 |
| FUND 2631 | FNMA NOTES | 523513 | BONY | 89 | BOFAB | 1/3/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.36 | 2.371 | 6,036,000 | 6,008,301 | - | - | 27,699 | - | - | 6,036,000 |
| FUND 2631 | T-BILL | 524136 | BONY | 89 | DAIWA | 12/13/2018 | 3/14/2019 | 3/14/2019 | Matured | 2.375 | 2.389 | 37,942,000 | 37,714,216 | - | - | 227,784 | - | - | 37,942,000 |
| FUND 2631 | COMM PAPER | 524288 | BONY | 89 | RBC | 3/14/2019 | 6/14/2019 | 3/14/2019 | Purchased | 2.48 | 2.496 | 42,810,000 | 42,538,680 | 271,320 | - | - | - | - | 42,538,680 |
| FUND 2631 | T-BILL | 524391 | BONY | 89 | BOFAB | 3/21/2019 | 6/13/2019 | 3/21/2019 | Purchased | 2.395 | 2.408 | 16,711,000 | 16,617,613 | 93,387 | - | - | - | - | 16,617,613 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | T-BILL | 523973 | BONY | 89 | RBC | 2/13/2019 | 4/11/2019 | 3/25/2019 | Partial Sale | 2.37 | 2.379 | 1,242,000 | 1,237,339 | 4,661 | - | 3,271 | - | 26 | 1,240,584 |
| FUND 2631 | T-BILL | 524424 | BONY | 89 | BOFAB | 2/13/2019 | 4/11/2019 | 3/28/2019 | Partial Sale | 2.37 | 2.379 | 638,000 | 635,606 | 2,394 | - | 1,806 | - | 1 | 637,413 |
| FUND 2631 | FFCB DISC | 520951 | BONY | 89 | DAIWA | 4/16/2018 | 4/3/2019 | 4/3/2019 | Matured | 2.14 | 2.186 | 25,000,000 | 24,476,889 | - | - | 523,111 | - | - | 25,000,000 |
| FUND 2631 | T-BILL | 524502 | BONY | 89 | DAIWA | 4/3/2019 | 6/13/2019 | 4/3/2019 | Purchased | 2.34 | 2.351 | 25,121,000 | 25,005,067 | 115,933 | - | - | - | - | 25,005,067 |
| FUND 2631 | T-BILL | 524391 | BONY | 89 | MERIL | 3/21/2019 | 6/13/2019 | 4/4/2019 | Partial Sale | 2.395 | 2.408 | 7,283,000 | 7,242,300 | 40,700 | - | 6,783 | - | 708 | 7,249,792 |
| FUND 2631 | FHLB NOTES | 524042 | BONY | 89 | RBC | 2/19/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.4 | 2.408 | 26,624,000 | 26,537,028 | - | - | 86,972 | - | - | 26,624,000 |
| FUND 2631 | COMM PAPER | 524549 | BONY | 89 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.4 | 2.4 | 26,626,000 | 26,624,225 | 1,775 | - | - | - | - | 26,624,225 |
| FUND 2631 | COMM PAPER | 524549 | BONY | 89 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.4 | 2.4 | 26,626,000 | 26,624,225 | - | - | 1,775 | - | - | 26,626,000 |
| FUND 2631 | FHLB NOTES | 524567 | BONY | 89 | DAIWA | 4/10/2019 | 8/2/2019 | 4/10/2019 | Purchased | 2.38 | 2.398 | 27,292,000 | 27,086,309 | 205,691 | - | - | - | - | 27,086,309 |
| FUND 2631 | T-BILL | 523673 | BONY | 89 | RBC | 1/17/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.355 | 2.368 | 10,717,000 | 10,658,110 | - | - | 58,890 | - | - | 10,717,000 |
| FUND 2631 | COMM PAPER | 523968 | BONY | 89 | MERIL | 2/12/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.46 | 2.47 | 44,253,000 | 44,077,611 | - | - | 175,389 | - | - | 44,253,000 |
| FUND 2631 | T-BILL | 524216 | BONY | 89 | RBC | 3/7/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.375 | 48,647,000 | 48,534,909 | - | - | 112,091 | - | - | 48,647,000 |
| FUND 2631 | T-BILL | 524455 | BONY | 89 | DAIWA | 2/13/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.37 | 2.379 | 1,147,000 | 1,142,696 | - | - | 4,304 | - | - | 1,147,000 |
| FUND 2631 | FFCB DISC | 524599 | BONY | 89 | DAIWA | 4/11/2019 | 9/23/2019 | 4/11/2019 | Purchased | 2.39 | 2.416 | 25,000,000 | 24,726,146 | 273,854 | - | - | - | - | 24,726,146 |
| FUND 2631 | T-BILL | 524600 | BONY | 89 | RBC | 4/11/2019 | 7/18/2019 | 4/11/2019 | Purchased | 2.341 | 2.356 | 50,000,000 | 49,681,432 | 318,568 | - | - | - | - | 49,681,432 |
| FUND 2631 | T-BILL | 524601 | BONY | 89 | RBC | 4/11/2019 | 7/18/2019 | 4/11/2019 | Purchased | 2.34 | 2.356 | 30,551,000 | 30,356,349 | 194,651 | - | - | - | - | 30,356,349 |
| FUND 2631 | FRED MAC | 523726 | BONY | 89 | DAIWA | 1/24/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.375 | 2.388 | 25,811,000 | 25,669,667 | - | - | 141,333 | - | - | 25,811,000 |
| FUND 2631 | T-BILL | 524662 | BONY | 89 | DAIWA | 4/17/2019 | 7/11/2019 | 4/17/2019 | Purchased | 2.375 | 2.388 | 25,785,000 | 25,640,407 | 144,593 | - | - | - | - | 25,640,407 |
| FUND 2631 | T-BILL | 524523 | BONY | 89 | RBC | 3/21/2019 | 6/13/2019 | 4/22/2019 | Partial Sale | 2.395 | 2.408 | 4,877,000 | 4,849,746 | 27,254 | - | 10,383 | - | 106 | 4,860,234 |
| FUND 2631 | FHLB NOTES | 523842 | BONY | 89 | BOFAB | 2/5/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.38 | 2.392 | 40,000,000 | 39,796,378 | - | - | 203,622 | - | - | 40,000,000 |
| FUND 2631 | FHLB NOTES | 524152 | BONY | 89 | BOFAB | 2/28/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.41 | 2.419 | 42,450,000 | 42,296,543 | - | - | 153,457 | - | - | 42,450,000 |
| FUND 2631 | FFCB DISC | 524723 | BONY | 89 | DAIWA | 4/23/2019 | 5/23/2019 | 4/23/2019 | Purchased | 2.39 | 2.395 | 40,000,000 | 39,920,333 | 79,667 | - | - | - | - | 39,920,333 |
| FUND 2631 | T-BILL | 524724 | BONY | 89 | DAIWA | 4/23/2019 | 7/11/2019 | 4/23/2019 | Purchased | 2.37 | 2.382 | 42,752,000 | 42,529,654 | 222,346 | - | - | - | - | 42,529,654 |
| FUND 2631 | FHLB NOTES | 523843 | BONY | 89 | DAIWA | 2/5/2019 | 5/3/2019 | 4/30/2019 | Partial Sale | 2.38 | 2.394 | 5,254,000 | 5,223,781 | 30,219 | - | 29,177 | - | 13 | 5,252,945 |
| FUND 2631 | T-BILL | 524694 | BONY | 89 | BOFAB | 3/21/2019 | 6/13/2019 | 5/2/2019 | Partial Sale | 2.395 | 2.408 | 306,000 | 304,290 | 1,710 | - | 855 | - | 9 | 305,154 |
| FUND 2631 | COMM PAPER | 524178 | BONY | 89 | RBC | 3/4/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.45 | 2.46 | 12,841,000 | 12,788,566 | - | - | 52,434 | - | - | 12,841,000 |
| FUND 2631 | FHLB NOTES | 524771 | BONY | 89 | DAIWA | 2/5/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.38 | 2.394 | 37,329,000 | 37,114,296 | - | - | 214,704 | - | - | 37,329,000 |
| FUND 2631 | FHLB NOTES | 524818 | BONY | 89 | RBC | 5/3/2019 | 6/6/2019 | 5/3/2019 | Purchased | 2.39 | 2.395 | 50,000,000 | 49,887,139 | 112,861 | - | - | - | - | 49,887,139 |
| FUND 2631 | FHLB NOTES | 524819 | BONY | 89 | RBC | 5/3/2019 | 6/6/2019 | 5/3/2019 | Purchased | 2.39 | 2.395 | 284,000 | 283,359 | 641 | - | - | - | - | 283,359 |
| FUND 2631 | COMM PAPER | 524236 | BONY | 89 | MERIL | 3/8/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.48 | 2.49 | 50,000,000 | 49,796,778 | - | - | 203,222 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 524237 | BONY | 89 | MERIL | 3/8/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.48 | 2.49 | 48,370,000 | 48,173,403 | - | - | 196,597 | - | - | 48,370,000 |
| FUND 2631 | COMM PAPER | 524823 | BONY | 89 | MERIL | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.38 | 2.38 | 48,376,000 | 48,372,802 | 3,198 | - | - | - | - | 48,372,802 |
| FUND 2631 | COMM PAPER | 524824 | BONY | 89 | MERIL | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 2631 | COMM PAPER | 524823 | BONY | 89 | MERIL | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.38 | 2.38 | 48,376,000 | 48,372,802 | - | - | 3,198 | - | - | 48,376,000 |
| FUND 2631 | COMM PAPER | 524824 | BONY | 89 | MERIL | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 524831 | BONY | 89 | RBC | 5/7/2019 | 6/13/2019 | 5/7/2019 | Purchased | 2.382 | 2.388 | 50,000,000 | 49,877,592 | 122,408 | - | - | - | - | 49,877,592 |
| FUND 2631 | T-BILL | 524832 | BONY | 89 | RBC | 5/7/2019 | 6/13/2019 | 5/7/2019 | Purchased | 2.382 | 2.388 | 48,618,000 | 48,498,975 | 119,025 | - | - | - | - | 48,498,975 |
| FUND 2631 | T-BILL | 524832 | BONY | 89 | RBC | 5/7/2019 | 6/13/2019 | 5/8/2019 | Partial Sale | 2.382 | 2.388 | 6,534,000 | 6,518,004 | 15,996 | - | 432 | - | - | 6,518,436 |
| FUND 2631 | COMM PAPER | 524253 | BONY | 89 | MERIL | 3/11/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.51 | 2.521 | 50,000,000 | 49,790,833 | - | - | 209,167 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 524254 | BONY | 89 | MERIL | 3/11/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.51 | 2.521 | 26,480,000 | 26,369,225 | - | - | 110,775 | - | - | 26,480,000 |
| FUND 2631 | COMM PAPER | 524879 | BONY | 89 | MERIL | 5/10/2019 | 5/15/2019 | 5/10/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,983,819 | 16,181 | - | - | - | - | 49,983,819 |
| FUND 2631 | COMM PAPER | 524880 | BONY | 89 | MERIL | 5/10/2019 | 5/15/2019 | 5/10/2019 | Purchased | 2.33 | 2.331 | 21,539,000 | 21,532,030 | 6,970 | - | - | - | - | 21,532,030 |
| FUND 2631 | COMM PAPER | 524879 | BONY | 89 | MERIL | 5/10/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,983,819 | - | - | 16,181 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 524880 | BONY | 89 | MERIL | 5/10/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.33 | 2.331 | 21,539,000 | 21,532,030 | - | - | 6,970 | - | - | 21,539,000 |
| FUND 2631 | COMM PAPER | 524923 | BONY | 89 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,996,736 | 3,264 | - | - | - | - | 49,996,736 |
| FUND 2631 | COMM PAPER | 524924 | BONY | 89 | MERIL | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.35 | 2.35 | 21,544,000 | 21,542,594 | 1,406 | - | - | - | - | 21,542,594 |
| FUND 2631 | COMM PAPER | 523910 | BONY | 89 | WELLB | 2/7/2019 | 6/19/2019 | 5/16/2019 | Final Sale | 2.56 | 2.584 | 42,310,000 | 41,912,850 | 397,150 | - | 294,854 | - | 1,998 | 42,209,702 |
| FUND 2631 | COMM PAPER | 523911 | BONY | 89 | WELLB | 2/7/2019 | 6/19/2019 | 5/16/2019 | Final Sale | 2.56 | 2.584 | 50,000,000 | 49,530,667 | 469,333 | - | 348,444 | - | 2,361 | 49,881,472 |
| FUND 2631 | T-BILL | 524502 | BONY | 89 | BOFAB | 4/3/2019 | 6/13/2019 | 5/16/2019 | Final Sale | 2.34 | 2.351 | 25,121,000 | 25,005,067 | 115,933 | - | 70,213 | - | 147 | 25,075,133 |
| FUND 2631 | T-BILL | 524804 | BONY | 89 | BOFAB | 3/21/2019 | 6/13/2019 | 5/16/2019 | Final Sale | 2.395 | 2.408 | 4,245,000 | 4,221,278 | 23,722 | - | 15,815 | - | 157 | 4,237,249 |
| FUND 2631 | T-BILL | 524831 | BONY | 89 | BOFAB | 5/7/2019 | 6/13/2019 | 5/16/2019 | Final Sale | 2.382 | 2.388 | 50,000,000 | 49,877,592 | 122,408 | - | 29,775 | - | 1,342 | 49,908,708 |
| FUND 2631 | COMM PAPER | 524923 | BONY | 89 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,996,736 | - | - | 3,264 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 524924 | BONY | 89 | MERIL | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.35 | 2.35 | 21,544,000 | 21,542,594 | - | - | 1,406 | - | - | 21,544,000 |
| FUND 2631 | T-BILL | 524851 | BONY | 89 | BOFAB | 5/7/2019 | 6/13/2019 | 5/16/2019 | Partial Sale | 2.382 | 2.388 | 12,436,000 | 12,405,555 | 30,445 | - | 7,406 | - | 334 | 12,413,294 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | T-BILL | 524601 | BONY | 89 | DAIWA | 4/11/2019 | 7/18/2019 | 5/20/2019 | Partial Sale | 2.34 | 2.356 | 6,826,000 | 6,782,509 | 43,491 | - | 17,308 | - | 117 | 6,799,934 |
| FUND 2631 | FFCB DISC | 524723 | BONY | 89 | DAIWA | 4/23/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.39 | 2.395 | 40,000,000 | 39,920,333 | - | - | 79,667 | - | - | 40,000,000 |
| FUND 2631 | FFCB DISC | 525080 | BONY | 89 | DAIWA | 5/23/2019 | 6/27/2019 | 5/23/2019 | Purchased | 2.33 | 2.335 | 25,000,000 | 24,943,368 | 56,632 | - | - | - | - | 24,943,368 |
| FUND 2631 | FHLB NOTES | 525081 | BONY | 89 | BOFAB | 5/23/2019 | 8/2/2019 | 5/23/2019 | Purchased | 2.33 | 2.341 | 15,126,000 | 15,056,492 | 69,508 | - | - | - | - | 15,056,492 |
| FUND 2631 | T-BILL | 524975 | BONY | 89 | BOFAB | 5/7/2019 | 6/13/2019 | 5/24/2019 | Partial Sale | 2.382 | 2.388 | 255,000 | 254,376 | 624 | - | 287 | - | 22 | 254,684 |
| FUND 2631 | T-BILL | 525102 | BONY | 89 | BOFAB | 5/7/2019 | 6/13/2019 | 5/29/2019 | Partial Sale | 2.382 | 2.388 | 4,462,000 | 4,451,076 | 10,924 | - | 6,495 | - | 208 | 4,457,780 |
| FUND 2631 | T-BILL | 525141 | BONY | 89 | WELLB | 5/7/2019 | 6/13/2019 | 6/4/2019 | Partial Sale | 2.382 | 2.388 | 1,858,000 | 1,853,451 | 4,549 | - | 3,442 | - | 47 | 1,856,941 |
| FUND 2631 | FHLB NOTES | 524818 | BONY | 89 | RBC | 5/3/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.39 | 2.395 | 50,000,000 | 49,887,139 | - | - | 112,861 | - | - | 50,000,000 |
| FUND 2631 | FHLB NOTES | 524819 | BONY | 89 | RBC | 5/3/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.39 | 2.395 | 284,000 | 283,359 | - | - | 641 | - | - | 284,000 |
| FUND 2631 | FFCB DISC | 525241 | BONY | 89 | DAIWA | 6/6/2019 | 7/25/2019 | 6/6/2019 | Purchased | 2.29 | 2.297 | 40,000,000 | 39,875,322 | 124,678 | - | - | - | - | 39,875,322 |
| FUND 2631 | T-BILL | 525242 | BONY | 89 | DAIWA | 6/6/2019 | 7/30/2019 | 6/6/2019 | Purchased | 2.275 | 2.283 | 10,444,000 | 10,408,360 | 35,640 | - | - | - | - | 10,408,360 |
| FUND 2631 | T-BILL | 525284 | BONY | 89 | DAIWA | 6/11/2019 | 8/15/2019 | 6/11/2019 | Purchased | 2.212 | 2.221 | 50,000,000 | 49,800,260 | 199,740 | - | - | - | - | 49,800,260 |
| FUND 2631 | T-BILL | 525285 | BONY | 89 | DAIWA | 6/11/2019 | 8/15/2019 | 6/11/2019 | Purchased | 2.212 | 2.221 | 16,742,000 | 16,675,119 | 66,881 | - | - | - | - | 16,675,119 |
| FUND 2631 | T-BILL | 525220 | BONY | 89 | RBC | 5/7/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.382 | 2.388 | 23,073,000 | 23,016,513 | - | - | 56,487 | - | - | 23,073,000 |
| FUND 2631 | T-BILL | 525307 | BONY | 89 | DAIWA | 6/13/2019 | 8/8/2019 | 6/13/2019 | Purchased | 2.1 | 2.107 | 22,162,000 | 22,089,604 | 72,396 | - | - | - | - | 22,089,604 |
| FUND 2631 | COMM PAPER | 524288 | BONY | 89 | RBC | 3/14/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.48 | 2.496 | 42,810,000 | 42,538,680 | - | - | 271,320 | - | - | 42,810,000 |
| FUND 2631 | FFCB DISC | 525332 | BONY | 89 | DAIWA | 6/14/2019 | 8/23/2019 | 6/14/2019 | Purchased | 2.2 | 2.209 | 30,000,000 | 29,871,667 | 128,333 | - | - | - | - | 29,871,667 |
| FUND 2631 | FHLB NOTES | 525333 | BONY | 89 | DAIWA | 6/14/2019 | 9/3/2019 | 6/14/2019 | Purchased | 2.17 | 2.181 | 13,003,000 | 12,939,513 | 63,487 | - | - | - | - | 12,939,513 |
| FUND 2631 | T-BILL | 524662 | BONY | 89 | BOFAB | 4/17/2019 | 7/11/2019 | 6/18/2019 | Partial Sale | 2.375 | 2.388 | 1,612,000 | 1,602,960 | 9,040 | - | 6,594 | - | 319 | 1,609,873 |
| FUND 2631 | T-BILL | 525439 | BONY | 89 | DAIWA | 6/25/2019 | 7/2/2019 | 6/25/2019 | Purchased | 1.94 | 1.941 | 446,000 | 445,832 | 168 | - | - | - | - | 445,832 |
| FUND 2631 | FFCB DISC | 525080 | BONY | 89 | DAIWA | 5/23/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.33 | 2.335 | 25,000,000 | 24,943,368 | - | - | 56,632 | - | - | 25,000,000 |
| FUND 2631 | T-BILL | 525307 | BONY | 89 | CANT | 6/13/2019 | 8/8/2019 | 6/27/2019 | Partial Sale | 2.1 | 2.107 | 21,871,000 | 21,799,555 | 71,445 | - | 17,861 | - | 1,403 | 21,818,819 |
| FUND 2631 | T-BILL | 525439 | BONY | 89 | DAIWA | 6/25/2019 | 7/2/2019 | 7/2/2019 | Matured | 1.94 | 1.941 | 446,000 | 445,832 | - | - | 168 | - | - | 446,000 |
| FUND 2631 | T-BILL | 525473 | BONY | 89 | BOFAB | 6/13/2019 | 8/8/2019 | 7/2/2019 | Partial Sale | 2.1 | 2.107 | 22,000 | 21,928 | 72 | - | 24 | - | 0 | 21,953 |
| FUND 2631 | T-BILL | 525383 | BONY | 89 | BOFAB | 4/17/2019 | 7/11/2019 | 7/5/2019 | Partial Sale | 2.375 | 2.388 | 1,621,000 | 1,611,910 | 9,090 | - | 8,448 | - | 36 | 1,620,395 |
| FUND 2631 | FFCB DISC | 523969 | BONY | 89 | BOFAB | 2/12/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.43 | 2.454 | 25,000,000 | 24,753,625 | - | - | 246,375 | - | - | 25,000,000 |
| FUND 2631 | FFCB DISC | 525547 | BONY | 89 | DAIWA | 7/8/2019 | 8/12/2019 | 7/8/2019 | Purchased | 2.2 | 2.205 | 20,000,000 | 19,957,222 | 42,778 | - | - | - | - | 19,957,222 |
| FUND 2631 | T-BILL | 525548 | BONY | 89 | RBC | 7/8/2019 | 8/8/2019 | 7/8/2019 | Purchased | 2.09 | 2.094 | 5,052,000 | 5,042,908 | 9,092 | - | - | - | - | 5,042,908 |
| FUND 2631 | T-BILL | 524724 | BONY | 89 | DAIWA | 4/23/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.37 | 2.382 | 42,752,000 | 42,529,654 | - | - | 222,346 | - | - | 42,752,000 |
| FUND 2631 | T-BILL | 525537 | BONY | 89 | DAIWA | 4/17/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.375 | 2.388 | 22,552,000 | 22,425,537 | - | - | 126,463 | - | - | 22,552,000 |
| FUND 2631 | FNMA NOTES | 525592 | BONY | 89 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 50,000,000 | 49,808,000 | 192,000 | - | - | - | - | 49,808,000 |
| FUND 2631 | FNMA NOTES | 525593 | BONY | 89 | DAIWA | 7/11/2019 | 9/13/2019 | 7/11/2019 | Purchased | 2.16 | 2.168 | 12,729,000 | 12,680,121 | 48,879 | - | - | - | - | 12,680,121 |
| FUND 2631 | T-BILL | 525646 | BONY | 89 | BOFAB | 7/16/2019 | 9/10/2019 | 7/16/2019 | Purchased | 2.135 | 2.142 | 669,000 | 666,778 | 2,222 | - | - | - | - | 666,778 |
| FUND 2631 | T-BILL | 524600 | BONY | 89 | RBC | 4/11/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.341 | 2.356 | 50,000,000 | 49,681,432 | - | - | 318,568 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 525000 | BONY | 89 | RBC | 4/11/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.34 | 2.356 | 23,725,000 | 23,573,839 | - | - | 151,161 | - | - | 23,725,000 |
| FUND 2631 | FFCB DISC | 525686 | BONY | 89 | DAIWA | 7/18/2019 | 9/24/2019 | 7/18/2019 | Purchased | 2.14 | 2.149 | 40,000,000 | 39,838,311 | 161,689 | - | - | - | - | 39,838,311 |
| FUND 2631 | FFCB DISC | 525687 | BONY | 89 | CANT | 7/18/2019 | 9/27/2019 | 7/18/2019 | Purchased | 2.14 | 2.149 | 20,000,000 | 19,915,589 | 84,411 | - | - | - | - | 19,915,589 |
| FUND 2631 | T-BILL | 525688 | BONY | 89 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 10,392,000 | 10,359,655 | 32,345 | - | - | - | - | 10,359,655 |
| FUND 2631 | FFCB DISC | 525241 | BONY | 89 | DAIWA | 6/6/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.29 | 2.297 | 40,000,000 | 39,875,322 | - | - | 124,678 | - | - | 40,000,000 |
| FUND 2631 | T-BILL | 525757 | BONY | 89 | BOFAB | 7/25/2019 | 9/10/2019 | 7/25/2019 | Purchased | 2.07 | 2.076 | 39,124,000 | 39,018,267 | 105,733 | - | - | - | - | 39,018,267 |
| FUND 2631 | T-BILL | 525242 | BONY | 89 | DAIWA | 6/6/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.275 | 2.283 | 10,444,000 | 10,408,360 | - | - | 35,640 | - | - | 10,444,000 |
| FUND 2631 | T-BILL | 525798 | BONY | 89 | DAIWA | 7/30/2019 | 10/3/2019 | 7/30/2019 | Purchased | 2.05 | 2.058 | 10,420,000 | 10,381,432 | 38,568 | - | - | - | - | 10,381,432 |
| FUND 2631 | T-BILL | 525757 | BONY | 89 | DAIWA | 7/25/2019 | 9/10/2019 | 7/31/2019 | Partial Sale | 2.07 | 2.076 | 14,484,000 | 14,444,857 | 39,143 | - | 4,997 | - | 330 | 14,450,184 |
| FUND 2631 | FHLB NOTES | 524567 | BONY | 89 | DAIWA | 4/10/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.38 | 2.398 | 27,292,000 | 27,086,309 | - | - | 205,691 | - | - | 27,292,000 |
| FUND 2631 | FHLB NOTES | 525081 | BONY | 89 | BOFAB | 5/23/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.33 | 2.341 | 15,126,000 | 15,056,492 | - | - | 69,508 | - | - | 15,126,000 |
| FUND 2631 | FFCB DISC | 525832 | BONY | 89 | DAIWA | 8/2/2019 | 9/6/2019 | 8/2/2019 | Purchased | 2.06 | 2.064 | 25,000,000 | 24,949,931 | 50,069 | - | - | - | - | 24,949,931 |
| FUND 2631 | COMM PAPER | 525833 | BONY | 89 | MERIL | 8/2/2019 | 8/20/2019 | 8/2/2019 | Purchased | 2.18 | 2.182 | 17,487,000 | 17,467,939 | 19,061 | - | - | - | - | 17,467,939 |
| FUND 2631 | T-BILL | 525514 | BONY | 89 | DAIWA | 6/13/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.1 | 2.107 | 269,000 | 268,121 | - | - | 879 | - | - | 269,000 |
| FUND 2631 | T-BILL | 525548 | BONY | 89 | RBC | 7/8/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.09 | 2.094 | 5,052,000 | 5,042,908 | - | - | 9,092 | - | - | 5,052,000 |
| FUND 2631 | T-BILL | 525285 | BONY | 89 | CANT | 6/11/2019 | 8/15/2019 | 8/8/2019 | Partial Sale | 2.212 | 2.221 | 964,000 | 960,149 | 3,851 | - | 3,436 | - | 53 | 963,638 |
| FUND 2631 | FHLB NOTES | 525890 | BONY | 89 | RBC | 8/8/2019 | 10/10/2019 | 8/8/2019 | Purchased | 2 | 2.007 | 3,278,000 | 3,266,527 | 11,473 | - | - | - | - | 3,266,527 |
| FUND 2631 | FFCB DISC | 525547 | BONY | 89 | DAIWA | 7/8/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.2 | 2.205 | 20,000,000 | 19,957,222 | - | - | 42,778 | - | - | 20,000,000 |
| FUND 2631 | FHLB NOTES | 525934 | BONY | 89 | CANT | 8/12/2019 | 10/10/2019 | 8/12/2019 | Purchased | 1.99 | 1.997 | 6,352,000 | 6,331,284 | 20,716 | - | - | - | - | 6,331,284 |
| FUND 2631 | T-BILL | 525284 | BONY | 89 | DAIWA | 6/11/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.212 | 2.221 | 50,000,000 | 49,800,260 | - | - | 199,740 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | T-BILL | 525910 | BONY | 89 | DAIWA | 6/11/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.212 | 2.221 | 15,778,000 | 15,714,970 | - | - | 63,030 | - | - | 15,778,000 |
| FUND 2631 | T-BILL | 525999 | BONY | 89 | RBC | 8/15/2019 | 8/20/2019 | 8/15/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,987,431 | 12,569 | - | - | - | - | 49,987,431 |
| FUND 2631 | T-BILL | 526000 | BONY | 89 | RBC | 8/15/2019 | 8/20/2019 | 8/15/2019 | Purchased | 1.81 | 1.81 | 18,367,000 | 18,362,383 | 4,617 | - | - | - | - | 18,362,383 |
| FUND 2631 | COMM PAPER | 525833 | BONY | 89 | MERIL | 8/2/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.18 | 2.182 | 17,487,000 | 17,467,939 | - | - | 19,061 | - | - | 17,487,000 |
| FUND 2631 | T-BILL | 525999 | BONY | 89 | RBC | 8/15/2019 | 8/20/2019 | 8/20/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,987,431 | - | - | 12,569 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 526000 | BONY | 89 | RBC | 8/15/2019 | 8/20/2019 | 8/20/2019 | Matured | 1.81 | 1.81 | 18,367,000 | 18,362,383 | - | - | 4,617 | - | - | 18,367,000 |
| FUND 2631 | FHLB NOTES | 526049 | BONY | 89 | DAIWA | 8/20/2019 | 10/8/2019 | 8/20/2019 | Purchased | 1.985 | 1.99 | 50,000,000 | 49,864,910 | 135,090 | - | - | - | - | 49,864,910 |
| FUND 2631 | FHLB NOTES | 526050 | BONY | 89 | DAIWA | 8/20/2019 | 10/8/2019 | 8/20/2019 | Purchased | 1.985 | 1.99 | 35,729,000 | 35,632,467 | 96,533 | - | - | - | - | 35,632,467 |
| FUND 2631 | T-BILL | 525688 | BONY | 89 | MERIL | 7/18/2019 | 9/10/2019 | 8/22/2019 | Partial Sale | 2.075 | 2.081 | 3,987,000 | 3,974,590 | 12,410 | - | 8,043 | - | 158 | 3,982,792 |
| FUND 2631 | FFCB DISC | 525332 | BONY | 89 | DAIWA | 6/14/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.2 | 2.209 | 30,000,000 | 29,871,667 | - | - | 128,333 | - | - | 30,000,000 |
| FUND 2631 | FHLB NOTES | 526114 | BONY | 89 | WELLB | 8/23/2019 | 9/20/2019 | 8/23/2019 | Purchased | 2.031 | 2.034 | 30,048,000 | 30,000,534 | 47,466 | - | - | - | - | 30,000,534 |
| FUND 2631 | T-BILL | 526113 | BONY | 89 | CANT | 7/18/2019 | 9/10/2019 | 8/29/2019 | Partial Sale | 2.075 | 2.081 | 741,000 | 738,694 | 2,306 | - | 1,794 | - | 9 | 740,496 |
| FUND 2631 | FHLB NOTES | 525333 | BONY | 89 | DAIWA | 6/14/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.17 | 2.181 | 13,003,000 | 12,939,513 | - | - | 63,487 | - | - | 13,003,000 |
| FUND 2631 | T-BILL | 526185 | BONY | 89 | BOFAB | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 13,004,000 | 13,003,017 | 983 | - | - | - | - | 13,003,017 |
| FUND 2631 | T-BILL | 526185 | BONY | 89 | BOFAB | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 13,004,000 | 13,003,017 | - | - | 983 | - | - | 13,004,000 |
| FUND 2631 | T-BILL | 526216 | BONY | 89 | CANT | 9/5/2019 | 10/17/2019 | 9/5/2019 | Purchased | 1.95 | 1.954 | 4,226,000 | 4,216,386 | 9,614 | - | - | - | - | 4,216,386 |
| FUND 2631 | FFCB DISC | 525832 | BONY | 89 | DAIWA | 8/2/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.06 | 2.064 | 25,000,000 | 24,949,931 | - | - | 50,069 | - | - | 25,000,000 |
| FUND 2631 | FFCB DISC | 526264 | BONY | 89 | DAIWA | 9/6/2019 | 11/12/2019 | 9/6/2019 | Purchased | 1.97 | 1.977 | 20,000,000 | 19,926,672 | 73,328 | - | - | - | - | 19,926,672 |
| FUND 2631 | COMM PAPER | 526265 | BONY | 89 | RBC | 9/6/2019 | 9/17/2019 | 9/6/2019 | Purchased | 2.08 | 2.081 | 5,077,000 | 5,073,773 | 3,227 | - | - | - | - | 5,073,773 |
| FUND 2631 | T-BILL | 525646 | BONY | 89 | BOFAB | 7/16/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.135 | 2.142 | 669,000 | 666,778 | - | - | 2,222 | - | - | 669,000 |
| FUND 2631 | T-BILL | 525814 | BONY | 89 | BOFAB | 7/25/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.07 | 2.076 | 24,640,000 | 24,573,410 | - | - | 66,590 | - | - | 24,640,000 |
| FUND 2631 | T-BILL | 526165 | BONY | 89 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 5,664,000 | 5,646,371 | - | - | 17,629 | - | - | 5,664,000 |
| FUND 2631 | T-BILL | 526300 | BONY | 89 | BOFAB | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 30,125,000 | 30,075,670 | 49,330 | - | - | - | - | 30,075,670 |
| FUND 2631 | FNMA NOTES | 525592 | BONY | 89 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 50,000,000 | 49,808,000 | - | - | 192,000 | - | - | 50,000,000 |
| FUND 2631 | FNMA NOTES | 525593 | BONY | 89 | DAIWA | 7/11/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.16 | 2.168 | 12,729,000 | 12,680,121 | - | - | 48,879 | - | - | 12,729,000 |
| FUND 2631 | T-BILL | 526342 | BONY | 89 | BOFAB | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 42,051,000 | 41,979,981 | 71,019 | - | - | - | - | 41,979,981 |
| FUND 2631 | COMM PAPER | 526265 | BONY | 89 | RBC | 9/6/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.08 | 2.081 | 5,077,000 | 5,073,773 | - | - | 3,227 | - | - | 5,077,000 |
| FUND 2631 | T-BILL | 526373 | BONY | 89 | MERIL | 9/17/2019 | 9/24/2019 | 9/17/2019 | Purchased | 2.01 | 2.011 | 5,393,000 | 5,390,892 | 2,108 | - | - | - | - | 5,390,892 |
| FUND 2631 | FFCB DISC | 524599 | BONY | 89 | DAIWA | 4/11/2019 | 9/23/2019 | 9/19/2019 | Partial Sale | 2.39 | 2.416 | 10,780,000 | 10,661,914 | 118,086 | - | 115,223 | - | 467 | 10,777,604 |
| FUND 2631 | FHLB NOTES | 526114 | BONY | 89 | WELLB | 8/23/2019 | 9/20/2019 | 9/20/2019 | Matured | 2.031 | 2.034 | 30,048,000 | 30,000,534 | - | - | 47,466 | - | - | 30,048,000 |
| FUND 2631 | FFCB DISC | 526424 | BONY | 89 | DAIWA | 9/20/2019 | 11/26/2019 | 9/20/2019 | Purchased | 1.93 | 1.937 | 25,000,000 | 24,910,201 | 89,799 | - | - | - | - | 24,910,201 |
| FUND 2631 | T-BILL | 526425 | BONY | 89 | BOFAB | 9/20/2019 | 11/12/2019 | 9/20/2019 | Purchased | 1.88 | 1.885 | 5,152,000 | 5,137,740 | 14,260 | - | - | - | - | 5,137,740 |
| FUND 2631 | FFCB DISC | 526416 | BONY | 89 | DAIWA | 4/11/2019 | 9/23/2019 | 9/23/2019 | Matured | 2.39 | 2.416 | 14,220,000 | 14,064,232 | - | - | 155,768 | - | - | 14,220,000 |
| FUND 2631 | REPO INT | 526429 | BONY | 89 | DAIWA | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.8 | 1.8 | 14,220,000 | 14,220,000 | - | - | - | - | - | 14,220,000 |
| FUND 2631 | FFCB DISC | 525686 | BONY | 89 | DAIWA | 7/18/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.14 | 2.149 | 40,000,000 | 39,838,311 | - | - | 161,689 | - | - | 40,000,000 |
| FUND 2631 | T-BILL | 526373 | BONY | 89 | MERIL | 9/17/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.01 | 2.011 | 5,393,000 | 5,390,892 | - | - | 2,108 | - | - | 5,393,000 |
| FUND 2631 | REPO INT | 526429 | BONY | 89 | DAIWA | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.8 | 1.8 | 14,220,000 | 14,220,000 | - | - | 711 | - | - | 14,220,711 |
| FUND 2631 | T-BILL | 526446 | BONY | 89 | DAIWA | 9/24/2019 | 11/19/2019 | 9/24/2019 | Purchased | 1.88 | 1.886 | 50,000,000 | 49,853,778 | 146,222 | - | - | - | - | 49,853,778 |
| FUND 2631 | T-BILL | 526447 | BONY | 89 | DAIWA | 9/24/2019 | 11/19/2019 | 9/24/2019 | Purchased | 1.88 | 1.886 | 13,086,000 | 13,047,731 | 38,269 | - | - | - | - | 13,047,731 |
| FUND 2631 | FFCB DISC | 525687 | BONY | 89 | CANT | 7/18/2019 | 9/27/2019 | 9/27/2019 | Matured | 2.14 | 2.149 | 20,000,000 | 19,915,589 | - | - | 84,411 | - | - | 20,000,000 |
| FUND 2631 | FRED MAC | 526491 | BONY | 89 | MERIL | 9/27/2019 | 12/5/2019 | 9/27/2019 | Purchased | 1.84 | 1.847 | 20,071,000 | 20,000,216 | 70,784 | - | - | - | - | 20,000,216 |
| FUND 2631 | T-BILL | 526300 | BONY | 89 | DAIWA | 9/10/2019 | 10/10/2019 | 9/30/2019 | Partial Sale | 1.965 | 1.968 | 3,673,000 | 3,666,985 | 6,015 | - | 4,010 | - | 168 | 3,671,164 |
| FUND 2631 | COMM PAPER | 526505 | BONY | 89 | RBC | 9/30/2019 | 10/3/2019 | 9/30/2019 | Purchased | 2.03 | 2.03 | 50,000,000 | 49,991,542 | 8,458 | - | - | - | - | 49,991,542 |
| FUND 2631 | COMM PAPER | 526506 | BONY | 89 | RBC | 9/30/2019 | 10/3/2019 | 9/30/2019 | Purchased | 2.03 | 2.03 | 50,000,000 | 49,991,542 | 8,458 | - | - | - | - | 49,991,542 |
| FUND 2631 | FNMA NOTES | 526507 | BONY | 89 | BOFAB | 9/30/2019 | 11/21/2019 | 9/30/2019 | Purchased | 1.845 | 1.85 | 50,000,000 | 49,866,750 | 133,250 | - | - | - | - | 49,866,750 |
| FUND 2631 | FNMA NOTES | 526508 | BONY | 89 | BOFAB | 9/30/2019 | 11/21/2019 | 9/30/2019 | Purchased | 1.845 | 1.85 | 50,000,000 | 49,866,750 | 133,250 | - | - | - | - | 49,866,750 |
| FUND 2631 | FNMA NOTES | 526509 | BONY | 89 | CANT | 9/30/2019 | 12/10/2019 | 9/30/2019 | Purchased | 1.84 | 1.847 | 50,000,000 | 49,818,556 | 181,444 | - | - | - | - | 49,818,556 |
| FUND 2631 | FNMA NOTES | 526510 | BONY | 89 | CANT | 9/30/2019 | 12/10/2019 | 9/30/2019 | Purchased | 1.84 | 1.847 | 50,000,000 | 49,818,556 | 181,444 | - | - | - | - | 49,818,556 |
| FUND 2631 | COMM PAPER | 526511 | BONY | 89 | CANT | 9/30/2019 | 10/1/2019 | 9/30/2019 | Purchased | 1.84 | 1.84 | 50,000,000 | 49,997,444 | 2,556 | - | - | - | - | 49,997,444 |
| FUND 2631 | COMM PAPER | 526513 | BONY | 89 | CANT | 9/30/2019 | 10/1/2019 | 9/30/2019 | Purchased | 1.84 | 1.84 | 20,650,000 | 20,648,945 | 1,055 | - | - | - | - | 20,648,945 |
| FUND 2631 | COMM PAPER | 526511 | BONY | 89 | CANT | 9/30/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.84 | 1.84 | 50,000,000 | 49,997,444 | - | - | 2,556 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 526513 | BONY | 89 | CANT | 9/30/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.84 | 1.84 | 20,650,000 | 20,648,945 | - | - | 1,055 | - | - | 20,650,000 |
| FUND 2631 | COMM PAPER | 526532 | BONY | 89 | CANT | 10/1/2019 | 12/3/2019 | 10/1/2019 | Purchased | 1.96 | 1.967 | 50,000,000 | 49,828,500 | 171,500 | - | - | - | - | 49,828,500 |
| FUND 2631 | COMM PAPER | 526533 | BONY | 89 | CANT | 10/1/2019 | 12/3/2019 | 10/1/2019 | Purchased | 1.96 | 1.967 | 20,893,000 | 20,821,337 | 71,663 | - | - | - | - | 20,821,337 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | T-BILL | 525798 | BONY | 89 | DAIWA | 7/30/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.05 | 2.058 | 10,420,000 | 10,381,432 | - | - | 38,568 | - | - | 10,420,000 |
| FUND 2631 | COMM PAPER | 526505 | BONY | 89 | RBC | 9/30/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.03 | 2.03 | 50,000,000 | 49,991,542 | - | - | 8,458 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 526506 | BONY | 89 | RBC | 9/30/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.03 | 2.03 | 50,000,000 | 49,991,542 | - | - | 8,458 | - | - | 50,000,000 |
| FUND 2631 | FFCB DISC | 526562 | BONY | 89 | DAIWA | 10/3/2019 | 11/21/2019 | 10/3/2019 | Purchased | 1.75 | 1.754 | 40,000,000 | 39,904,722 | 95,278 | - | - | - | - | 39,904,722 |
| FUND 2631 | T-BILL | 526563 | BONY | 89 | BOFAB | 10/3/2019 | 11/12/2019 | 10/3/2019 | Purchased | 1.667 | 1.67 | 50,000,000 | 49,907,389 | 92,611 | - | - | - | - | 49,907,389 |
| FUND 2631 | T-BILL | 526564 | BONY | 89 | BOFAB | 10/3/2019 | 11/12/2019 | 10/3/2019 | Purchased | 1.667 | 1.67 | 20,634,000 | 20,595,781 | 38,219 | - | - | - | - | 20,595,781 |
| FUND 2631 | FHLB NOTES | 526049 | BONY | 89 | DAIWA | 8/20/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.985 | 1.99 | 50,000,000 | 49,864,910 | - | - | 135,090 | - | - | 50,000,000 |
| FUND 2631 | FHLB NOTES | 526050 | BONY | 89 | DAIWA | 8/20/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.985 | 1.99 | 35,729,000 | 35,632,467 | - | - | 96,533 | - | - | 35,729,000 |
| FUND 2631 | T-BILL | 526606 | BONY | 89 | CANT | 10/8/2019 | 1/9/2020 | 10/8/2019 | Purchased | 1.623 | 1.629 | 50,000,000 | 49,790,427 | 209,573 | - | - | - | - | 49,790,427 |
| FUND 2631 | T-BILL | 526607 | BONY | 89 | CANT | 10/8/2019 | 1/9/2020 | 10/8/2019 | Purchased | 1.623 | 1.629 | 36,499,000 | 36,346,016 | 152,984 | - | - | - | - | 36,346,016 |
| FUND 2631 | FHLB NOTES | 525890 | BONY | 89 | RBC | 8/8/2019 | 10/10/2019 | 10/10/2019 | Matured | 2 | 2.007 | 3,278,000 | 3,266,527 | - | - | 11,473 | - | - | 3,278,000 |
| FUND 2631 | FHLB NOTES | 525934 | BONY | 89 | CANT | 8/12/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.99 | 1.997 | 6,352,000 | 6,331,284 | - | - | 20,716 | - | - | 6,352,000 |
| FUND 2631 | T-BILL | 526518 | BONY | 89 | BOFAB | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 26,452,000 | 26,408,685 | - | - | 43,315 | - | - | 26,452,000 |
| FUND 2631 | T-BILL | 526628 | BONY | 89 | DAIWA | 10/10/2019 | 1/9/2020 | 10/10/2019 | Purchased | 1.645 | 1.652 | 28,658,000 | 28,538,834 | 119,166 | - | - | - | - | 28,538,834 |
| FUND 2631 | T-BILL | 526342 | BONY | 89 | BOFAB | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 42,051,000 | 41,979,981 | - | - | 71,019 | - | - | 42,051,000 |
| FUND 2631 | T-BILL | 526686 | BONY | 89 | DAIWA | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 41,619,000 | 41,510,559 | 108,441 | - | - | - | - | 41,510,559 |
| FUND 2631 | T-BILL | 526216 | BONY | 89 | CANT | 9/5/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.95 | 1.954 | 4,226,000 | 4,216,386 | - | - | 9,614 | - | - | 4,226,000 |
| FUND 2631 | T-BILL | 526727 | BONY | 89 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 2,445,000 | 2,448,998 | 6,002 | - | - | - | - | 2,448,998 |
| FUND 2631 | T-BILL | 526740 | BONY | 89 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 1,166,000 | 1,163,149 | 2,851 | - | - | - | - | 1,163,149 |
| FUND 2631 | T-BILL | 526447 | BONY | 89 | BOFAB | 9/24/2019 | 11/19/2019 | 10/24/2019 | Partial Sale | 1.88 | 1.886 | 9,759,000 | 9,730,460 | 28,540 | - | 15,289 | - | 1,251 | 9,747,001 |
| FUND 2631 | T-BILL | 526851 | BONY | 89 | CANT | 10/31/2019 | 12/17/2019 | 10/31/2019 | Purchased | 1.515 | 1.519 | 31,735,000 | 31,672,210 | 62,790 | - | - | - | - | 31,672,210 |
| FUND 2631 | T-BILL | 526920 | BONY | 89 | CANT | 11/7/2019 | 12/19/2019 | 11/7/2019 | Purchased | 1.45 | 1.452 | 7,305,000 | 7,292,642 | 12,358 | - | - | - | - | 7,292,642 |
| FUND 2631 | FFCB DISC | 526264 | BONY | 89 | DAIWA | 9/6/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.97 | 1.977 | 20,000,000 | 19,926,672 | - | - | 73,328 | - | - | 20,000,000 |
| FUND 2631 | T-BILL | 526425 | BONY | 89 | BOFAB | 9/20/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.88 | 1.885 | 5,152,000 | 5,137,740 | - | - | 14,260 | - | - | 5,152,000 |
| FUND 2631 | T-BILL | 526563 | BONY | 89 | BOFAB | 10/3/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.667 | 1.67 | 50,000,000 | 49,907,389 | - | - | 92,611 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 526564 | BONY | 89 | BOFAB | 10/3/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.667 | 1.67 | 20,634,000 | 20,595,781 | - | - | 38,219 | - | - | 20,634,000 |
| FUND 2631 | T-BILL | 526960 | BONY | 89 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 20,587,000 | 20,538,163 | 48,837 | - | - | - | - | 20,538,163 |
| FUND 2631 | T-BILL | 526961 | BONY | 89 | CANT | 11/12/2019 | 1/7/2020 | 11/12/2019 | Purchased | 1.525 | 1.529 | 50,000,000 | 49,881,389 | 118,611 | - | - | - | - | 49,881,389 |
| FUND 2631 | T-BILL | 526628 | BONY | 89 | DAIWA | 10/10/2019 | 1/9/2020 | 11/14/2019 | Partial Sale | 1.645 | 1.652 | 9,953,000 | 9,911,613 | 41,387 | - | 15,918 | - | 1,935 | 9,929,467 |
| FUND 2631 | T-BILL | 526446 | BONY | 89 | DAIWA | 9/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.88 | 1.886 | 50,000,000 | 49,853,778 | - | - | 146,222 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 526810 | BONY | 89 | DAIWA | 9/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.88 | 1.886 | 3,327,000 | 3,317,270 | - | - | 9,730 | - | - | 3,327,000 |
| FUND 2631 | T-BILL | 527062 | BONY | 89 | DAIWA | 11/19/2019 | 12/17/2019 | 11/19/2019 | Purchased | 1.545 | 1.547 | 42,065,000 | 42,014,452 | 50,548 | - | - | - | - | 42,014,452 |
| FUND 2631 | FNMA NOTES | 526507 | BONY | 89 | BOFAB | 9/30/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.845 | 1.85 | 50,000,000 | 49,866,750 | - | - | 133,250 | - | - | 50,000,000 |
| FUND 2631 | FNMA NOTES | 526508 | BONY | 89 | BOFAB | 9/30/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.845 | 1.85 | 50,000,000 | 49,866,750 | - | - | 133,250 | - | - | 50,000,000 |
| FUND 2631 | FFCB DISC | 526562 | BONY | 89 | DAIWA | 10/3/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.75 | 1.754 | 40,000,000 | 39,904,722 | - | - | 95,278 | - | - | 40,000,000 |
| FUND 2631 | FHLB NOTES | 527084 | BONY | 89 | CANT | 11/21/2019 | 1/7/2020 | 11/21/2019 | Purchased | 1.555 | 1.558 | 50,000,000 | 49,898,493 | 101,507 | - | - | - | - | 49,898,493 |
| FUND 2631 | FHLB NOTES | 527085 | BONY | 89 | CANT | 11/21/2019 | 1/7/2020 | 11/21/2019 | Purchased | 1.555 | 1.558 | 50,000,000 | 49,898,493 | 101,507 | - | - | - | - | 49,898,493 |
| FUND 2631 | FHLB NOTES | 527086 | BONY | 89 | CANT | 11/21/2019 | 1/7/2020 | 11/21/2019 | Purchased | 1.555 | 1.558 | 39,722,000 | 39,641,359 | 80,641 | - | - | - | - | 39,641,359 |
| FUND 2631 | FFCB DISC | 526424 | BONY | 89 | DAIWA | 9/20/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.93 | 1.937 | 25,000,000 | 24,910,201 | - | - | 89,799 | - | - | 25,000,000 |
| FUND 2631 | T-BILL | 527126 | BONY | 89 | BOFAB | 11/26/2019 | 1/21/2020 | 11/26/2019 | Purchased | 1.565 | 1.569 | 23,744,000 | 23,686,197 | 57,803 | - | - | - | - | 23,686,197 |
| FUND 2631 | T-BILL | 527140 | BONY | 89 | BOFAB | 11/26/2019 | 1/21/2020 | 11/26/2019 | Purchased | 1.56 | 1.564 | 2,447,000 | 2,441,062 | 5,938 | - | - | - | - | 2,441,062 |
| FUND 2631 | T-BILL | 527010 | BONY | 89 | MERIL | 10/10/2019 | 1/9/2020 | 11/27/2019 | Partial Sale | 1.645 | 1.652 | 3,855,000 | 3,838,970 | 16,030 | - | 8,455 | - | 437 | 3,847,863 |
| FUND 2631 | COMM PAPER | 526532 | BONY | 89 | CANT | 10/1/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.96 | 1.967 | 50,000,000 | 49,828,500 | - | - | 171,500 | - | - | 50,000,000 |
| FUND 2631 | COMM PAPER | 526533 | BONY | 89 | CANT | 10/1/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.96 | 1.967 | 20,893,000 | 20,821,337 | - | - | 71,663 | - | - | 20,893,000 |
| FUND 2631 | T-BILL | 527197 | BONY | 89 | CANT | 12/3/2019 | 12/12/2019 | 12/3/2019 | Purchased | 1.493 | 1.493 | 50,000,000 | 49,981,344 | 18,656 | - | - | - | - | 49,981,344 |
| FUND 2631 | T-BILL | 527198 | BONY | 89 | CANT | 12/3/2019 | 12/12/2019 | 12/3/2019 | Purchased | 1.492 | 1.493 | 20,203,000 | 20,195,462 | 7,538 | - | - | - | - | 20,195,462 |
| FUND 2631 | T-BILL | 527226 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | 583 | 49,913,083 |
| FUND 2631 | T-BILL | 527227 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | 583 | 49,913,083 |
| FUND 2631 | T-BILL | 527228 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | 583 | 49,913,083 |
| FUND 2631 | T-BILL | 527229 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | 583 | 49,913,083 |
| FUND 2631 | T-BILL | 527230 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | 583 | 49,913,083 |
| FUND 2631 | T-BILL | 527231 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | 1,167 | 49,913,083 |
| FUND 2631 | T-BILL | 527232 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | 1,167 | 49,913,083 |
| FUND 2631 | T-BILL | 527233 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | 1,167 | 49,913,083 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2631 | T-BILL | 527234 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | 1,167 | 49,913,083 |
| FUND 2631 | T-BILL | 527235 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | 1,167 | 49,913,083 |
| FUND 2631 | T-BILL | 527236 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | 2,333 | 49,913,083 |
| FUND 2631 | T-BILL | 527237 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | 2,333 | 49,913,083 |
| FUND 2631 | T-BILL | 527238 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | 2,333 | 49,913,083 |
| FUND 2631 | T-BILL | 527239 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.475 | 1.478 | 50,000,000 | 49,913,958 | 86,042 | - | - | - | 875 | 49,913,083 |
| FUND 2631 | T-BILL | 527240 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.475 | 1.478 | 50,000,000 | 49,913,958 | 86,042 | - | - | - | 875 | 49,913,083 |
| FUND 2631 | T-BILL | 527241 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | 2,042 | 49,913,083 |
| FUND 2631 | T-BILL | 527242 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | 2,042 | 49,913,083 |
| FUND 2631 | T-BILL | 527243 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | 2,042 | 49,913,083 |
| FUND 2631 | T-BILL | 527244 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | 2,042 | 49,913,083 |
| FUND 2631 | T-BILL | 527245 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | 2,042 | 49,913,083 |
| FUND 2631 | T-BILL | 527246 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Final Sale | 1.455 | 1.457 | 1,714,000 | 1,711,090 | 2,910 | - | - | - | 70 | 1,711,021 |
| FUND 2631 | FRED MAC | 526491 | BONY | 89 | MERIL | 9/27/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.84 | 1.847 | 20,071,000 | 20,000,216 | - | - | 70,784 | - | - | 20,071,000 |
| FUND 2631 | T-BILL | 527226 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | - | 49,913,667 |
| FUND 2631 | T-BILL | 527227 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | - | 49,913,667 |
| FUND 2631 | T-BILL | 527228 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | - | 49,913,667 |
| FUND 2631 | T-BILL | 527229 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | - | 49,913,667 |
| FUND 2631 | T-BILL | 527230 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.48 | 1.483 | 50,000,000 | 49,913,667 | 86,333 | - | - | - | - | 49,913,667 |
| FUND 2631 | T-BILL | 527231 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | - | 49,914,250 |
| FUND 2631 | T-BILL | 527232 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | - | 49,914,250 |
| FUND 2631 | T-BILL | 527233 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | - | 49,914,250 |
| FUND 2631 | T-BILL | 527234 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | - | 49,914,250 |
| FUND 2631 | T-BILL | 527235 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.47 | 1.473 | 50,000,000 | 49,914,250 | 85,750 | - | - | - | - | 49,914,250 |
| FUND 2631 | T-BILL | 527236 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | - | 49,915,417 |
| FUND 2631 | T-BILL | 527237 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | - | 49,915,417 |
| FUND 2631 | T-BILL | 527238 | BONY | 89 | DAIWA | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.45 | 1.452 | 50,000,000 | 49,915,417 | 84,583 | - | - | - | - | 49,915,417 |
| FUND 2631 | T-BILL | 527239 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.475 | 1.478 | 50,000,000 | 49,913,958 | 86,042 | - | - | - | - | 49,913,958 |
| FUND 2631 | T-BILL | 527240 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.475 | 1.478 | 50,000,000 | 49,913,958 | 86,042 | - | - | - | - | 49,913,958 |
| FUND 2631 | T-BILL | 527241 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2631 | T-BILL | 527242 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2631 | T-BILL | 527243 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2631 | T-BILL | 527244 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2631 | T-BILL | 527245 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2631 | T-BILL | 527246 | BONY | 89 | BOFAB | 12/5/2019 | 1/16/2020 | 12/5/2019 | Purchased | 1.455 | 1.457 | 1,714,000 | 1,711,090 | 2,910 | - | - | - | - | 1,711,090 |
| FUND 2631 | T-BILL | 527264 | BONY | 89 | BOFAB | 12/5/2019 | 1/14/2020 | 12/5/2019 | Purchased | 1.44 | 1.442 | 20,075,000 | 20,042,880 | 32,120 | - | - | - | - | 20,042,880 |
| FUND 2631 | T-BILL | 526686 | BONY | 89 | DAIWA | 10/15/2019 | 12/10/2019 | 12/9/2019 | Partial Sale | 1.675 | 1.679 | 3,630,000 | 3,620,542 | 9,458 | - | 9,289 | - | 24 | 3,629,855 |
| FUND 2631 | FNMA NOTES | 526509 | BONY | 89 | CANT | 9/30/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.84 | 1.847 | 50,000,000 | 49,818,556 | - | - | 181,444 | - | - | 50,000,000 |
| FUND 2631 | FNMA NOTES | 526510 | BONY | 89 | CANT | 9/30/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.84 | 1.847 | 50,000,000 | 49,818,556 | - | - | 181,444 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 526727 | BONY | 89 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 2,455,000 | 2,448,998 | - | - | 6,002 | - | - | 2,455,000 |
| FUND 2631 | T-BILL | 526740 | BONY | 89 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 1,166,000 | 1,163,149 | - | - | 2,851 | - | - | 1,166,000 |
| FUND 2631 | T-BILL | 527309 | BONY | 89 | DAIWA | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 37,989,000 | 37,890,018 | - | - | 98,982 | - | - | 37,989,000 |
| FUND 2631 | T-BILL | 527323 | BONY | 89 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,925,229 | 74,771 | - | - | - | - | 49,925,229 |
| FUND 2631 | T-BILL | 527324 | BONY | 89 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 50,000,000 | 49,925,229 | 74,771 | - | - | - | - | 49,925,229 |
| FUND 2631 | T-BILL | 527325 | BONY | 89 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 41,822,000 | 41,759,459 | 62,541 | - | - | - | - | 41,759,459 |
| FUND 2631 | T-BILL | 526606 | BONY | 89 | BOFAB | 10/8/2019 | 1/9/2020 | 12/12/2019 | Final Sale | 1.623 | 1.629 | 50,000,000 | 49,790,427 | 209,573 | - | 146,476 | - | 4,958 | 49,941,861 |
| FUND 2631 | T-BILL | 526851 | BONY | 89 | BOFAB | 10/31/2019 | 12/17/2019 | 12/12/2019 | Final Sale | 1.515 | 1.519 | 31,735,000 | 31,672,210 | 62,790 | - | 56,110 | - | 156 | 31,728,477 |
| FUND 2631 | T-BILL | 526920 | BONY | 89 | BOFAB | 11/7/2019 | 12/19/2019 | 12/12/2019 | Final Sale | 1.45 | 1.452 | 7,305,000 | 7,292,642 | 12,358 | - | 10,298 | - | - | 7,302,940 |
| FUND 2631 | T-BILL | 527062 | BONY | 89 | BOFAB | 11/19/2019 | 12/17/2019 | 12/12/2019 | Final Sale | 1.545 | 1.547 | 42,065,000 | 42,014,452 | 50,548 | - | 41,522 | - | 380 | 42,056,353 |
| FUND 2631 | T-BILL | 527197 | BONY | 89 | CANT | 12/3/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.493 | 1.493 | 50,000,000 | 49,981,344 | - | - | 18,656 | - | - | 50,000,000 |
| FUND 2631 | T-BILL | 527198 | BONY | 89 | CANT | 12/3/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.492 | 1.493 | 20,203,000 | 20,195,462 | - | - | 7,538 | - | - | 20,203,000 |
| FUND 2631 | T-BILL | 526607 | BONY | 89 | BOFAB | 10/8/2019 | 1/9/2020 | 12/12/2019 | Partial Sale | 1.623 | 1.629 | 30,290,000 | 30,163,041 | 126,959 | - | 88,735 | - | 3,004 | 30,254,779 |
| FUND 2631 | T-BILL | 527159 | BONY | 89 | DAIWA | 10/10/2019 | 1/9/2020 | 12/17/2019 | Final Sale | 1.645 | 1.652 | 14,850,000 | 14,788,251 | 61,749 | - | 46,142 | - | 1,139 | 14,835,532 |
| FUND 2631 | T-BILL | 527389 | BONY | 89 | DAIWA | 10/8/2019 | 1/9/2020 | 12/17/2019 | Partial Sale | 1.623 | 1.629 | 1,606,000 | 1,599,269 | 6,731 | - | 5,067 | - | 100 | 1,604,435 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|-----------------------|-----------------------|-------------------|---------------------|-------------------|--------------|---------------|-----------------------|
| FUND 2631 | T-BILL | 527464 | BONY | 89 | MERIL | 10/8/2019 | 1/9/2020 | 12/19/2019 | Partial Sale | 1.623 | 1.629 | 739,000 | 735,903 | 3,097 | - | 2,398 | - | 46 | 738,347 |
| FUND 2631 | T-BILL | 527518 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527519 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527520 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527521 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527522 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527523 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527524 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527525 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527526 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527527 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,948,264 | 51,736 | - | - | - | - | 49,948,264 |
| FUND 2631 | T-BILL | 527528 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 1,030,000 | 1,028,949 | 1,051 | - | - | - | - | 1,028,949 |
| FUND 2631 | T-BILL | 527529 | BONY | 89 | CANT | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.475 | 1.477 | 50,000,000 | 49,948,785 | 51,215 | - | - | - | - | 49,948,785 |
| FUND 2631 | T-BILL | 527530 | BONY | 89 | CANT | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.475 | 1.477 | 50,000,000 | 49,948,785 | 51,215 | - | - | - | - | 49,948,785 |
| FUND 2631 | T-BILL | 527531 | BONY | 89 | CANT | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.475 | 1.477 | 50,000,000 | 49,948,785 | 51,215 | - | - | - | - | 49,948,785 |
| FUND 2631 | T-BILL | 527532 | BONY | 89 | CANT | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.475 | 1.477 | 50,000,000 | 49,948,785 | 51,215 | - | - | - | - | 49,948,785 |
| FUND 2631 | T-BILL | 527533 | BONY | 89 | CANT | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.475 | 1.477 | 50,000,000 | 49,948,785 | 51,215 | - | - | - | - | 49,948,785 |
| FUND 2631 | T-BILL | 527534 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 50,000,000 | 49,948,958 | 51,042 | - | - | - | - | 49,948,958 |
| FUND 2631 | T-BILL | 527535 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 50,000,000 | 49,948,958 | 51,042 | - | - | - | - | 49,948,958 |
| FUND 2631 | T-BILL | 527536 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 50,000,000 | 49,948,958 | 51,042 | - | - | - | - | 49,948,958 |
| FUND 2631 | T-BILL | 527537 | BONY | 89 | DAIWA | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 50,000,000 | 49,948,958 | 51,042 | - | - | - | - | 49,948,958 |
| FUND 2631 | T-BILL | 527538 | BONY | 89 | | 12/20/2019 | 1/14/2020 | 12/20/2019 | Purchased | 1.47 | 1.472 | 50,000,000 | 49,948,958 | 51,042 | - | - | - | - | 49,948,958 |
| FUND 2631 | T-BILL | 526960 | BONY | 89 | CANT | 11/12/2019 | 1/7/2020 | 12/26/2019 | Partial Sale | 1.525 | 1.529 | 4,252,000 | 4,241,913 | 10,087 | - | 7,925 | - | 28 | 4,249,867 |
| FUND 2631 | T-BILL | 527597 | BONY | 89 | BOFAB | 11/12/2019 | 1/7/2020 | 12/30/2019 | Partial Sale | 1.525 | 1.529 | 4,407,000 | 4,396,546 | 10,454 | - | 8,961 | - | 15 | 4,405,521 |
| FUND 2631 Total | | | | | | | | | | | | 12,198,032,000 | 12,165,928,992 | 18,903,641 | - | 15,379,154 | - | 52,727 | 12,181,303,108 |
| FUND 2700 | T-BILL | 523332 | BONY | 96 | MERIL | 12/18/2018 | 1/22/2019 | 1/8/2019 | Partial Sale | 2.31 | 2.315 | 17,582,000 | 17,542,514 | 39,486 | - | 23,692 | - | - | 17,566,206 |
| FUND 2700 | T-BILL | 523409 | BONY | 96 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.32 | 2.324 | 25,117,000 | 25,074,915 | - | - | 42,085 | - | - | 25,117,000 |
| FUND 2700 | T-BILL | 523470 | BONY | 96 | RBC | 12/26/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.315 | 2.318 | 9,248,000 | 9,236,103 | - | - | 11,897 | - | - | 9,248,000 |
| FUND 2700 | T-BILL | 523635 | BONY | 96 | RBC | 1/15/2019 | 2/14/2019 | 1/15/2019 | Purchased | 2.32 | 2.324 | 50,000,000 | 49,903,333 | 96,667 | - | - | - | - | 49,903,333 |
| FUND 2700 | T-BILL | 523636 | BONY | 96 | RBC | 1/15/2019 | 2/14/2019 | 1/15/2019 | Purchased | 2.32 | 2.324 | 2,808,000 | 2,802,571 | 5,429 | - | - | - | - | 2,802,571 |
| FUND 2700 | T-BILL | 523284 | BONY | 96 | BOFAB | 12/13/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.245 | 2.25 | 50,000,000 | 49,890,868 | - | - | 109,132 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523285 | BONY | 96 | BOFAB | 12/13/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.245 | 2.25 | 50,000,000 | 49,890,868 | - | - | 109,132 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523286 | BONY | 96 | BOFAB | 12/13/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.245 | 2.25 | 14,234,000 | 14,202,932 | - | - | 31,068 | - | - | 14,234,000 |
| FUND 2700 | T-BILL | 523491 | BONY | 96 | BOFAB | 12/13/2018 | 1/17/2019 | 1/17/2019 | Matured | 2.245 | 2.25 | 44,849,000 | 44,751,111 | - | - | 97,889 | - | - | 44,849,000 |
| FUND 2700 | T-BILL | 523658 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.337 | 2.343 | 50,000,000 | 49,886,372 | 113,628 | - | - | - | - | 49,886,372 |
| FUND 2700 | T-BILL | 523659 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.337 | 2.343 | 50,000,000 | 49,886,372 | 113,628 | - | - | - | - | 49,886,372 |
| FUND 2700 | T-BILL | 523660 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.337 | 2.343 | 50,000,000 | 49,886,372 | 113,628 | - | - | - | - | 49,886,372 |
| FUND 2700 | T-BILL | 523661 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.337 | 2.343 | 9,446,000 | 9,424,533 | 21,467 | - | - | - | - | 9,424,533 |
| FUND 2700 | T-BILL | 523310 | BONY | 96 | DAIWA | 12/14/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.27 | 2.276 | 50,000,000 | 49,877,042 | - | - | 122,958 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523311 | BONY | 96 | DAIWA | 12/14/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.27 | 2.276 | 41,827,000 | 41,724,140 | - | - | 102,860 | - | - | 41,827,000 |
| FUND 2700 | T-BILL | 523462 | BONY | 96 | DAIWA | 12/27/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,916,222 | - | - | 83,778 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523463 | BONY | 96 | DAIWA | 12/27/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,916,222 | - | - | 83,778 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523464 | BONY | 96 | DAIWA | 12/27/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.32 | 2.324 | 909,000 | 907,477 | - | - | 1,523 | - | - | 909,000 |
| FUND 2700 | T-BILL | 523549 | BONY | 96 | BOFAB | 12/18/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.31 | 2.315 | 26,336,000 | 26,276,854 | - | - | 59,146 | - | - | 26,336,000 |
| FUND 2700 | T-BILL | 523709 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 1/22/2019 | Purchased | 2.32 | 2.323 | 50,000,000 | 49,925,889 | 74,111 | - | - | - | - | 49,925,889 |
| FUND 2700 | T-BILL | 523710 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 1/22/2019 | Purchased | 2.32 | 2.323 | 50,000,000 | 49,925,889 | 74,111 | - | - | - | - | 49,925,889 |
| FUND 2700 | T-BILL | 523711 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 1/22/2019 | Purchased | 2.32 | 2.323 | 50,000,000 | 49,925,889 | 74,111 | - | - | - | - | 49,925,889 |
| FUND 2700 | T-BILL | 523712 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 1/22/2019 | Purchased | 2.32 | 2.323 | 50,000,000 | 49,925,889 | 74,111 | - | - | - | - | 49,925,889 |
| FUND 2700 | T-BILL | 523713 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 1/22/2019 | Purchased | 2.32 | 2.323 | 19,397,000 | 19,368,249 | 28,751 | - | - | - | - | 19,368,249 |
| FUND 2700 | T-BILL | 523658 | BONY | 96 | RBC | 1/17/2019 | 2/21/2019 | 1/25/2019 | Partial Sale | 2.337 | 2.343 | 9,533,000 | 9,511,336 | 21,664 | - | 4,952 | - | 411 | 9,516,699 |
| FUND 2700 | T-BILL | 523713 | BONY | 96 | BOFAB | 1/22/2019 | 2/14/2019 | 1/28/2019 | Partial Sale | 2.32 | 2.323 | 9,126,000 | 9,112,473 | 13,527 | - | 3,529 | - | 86 | 9,116,088 |
| FUND 2700 | T-BILL | 523918 | BONY | 96 | RBC | 2/7/2019 | 3/14/2019 | 2/7/2019 | Purchased | 2.325 | 2.33 | 624,000 | 622,590 | 1,411 | - | - | - | - | 622,590 |
| FUND 2700 | T-BILL | 523635 | BONY | 96 | RBC | 1/15/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.324 | 50,000,000 | 49,903,333 | - | - | 96,667 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523636 | BONY | 96 | RBC | 1/15/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.324 | 2,808,000 | 2,802,571 | - | - | 5,429 | - | - | 2,808,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 523709 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.323 | 50,000,000 | 49,925,889 | - | - | 74,111 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523710 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.323 | 50,000,000 | 49,925,889 | - | - | 74,111 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523711 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.323 | 50,000,000 | 49,925,889 | - | - | 74,111 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523712 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.323 | 50,000,000 | 49,925,889 | - | - | 74,111 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523759 | BONY | 96 | DAIWA | 1/22/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.32 | 2.323 | 10,271,000 | 10,255,776 | - | - | 15,224 | - | - | 10,271,000 |
| FUND 2700 | T-BILL | 523996 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 50,000,000 | 49,914,417 | 85,583 | - | - | - | - | 49,914,417 |
| FUND 2700 | T-BILL | 523997 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 50,000,000 | 49,914,417 | 85,583 | - | - | - | - | 49,914,417 |
| FUND 2700 | T-BILL | 523998 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 50,000,000 | 49,914,417 | 85,583 | - | - | - | - | 49,914,417 |
| FUND 2700 | T-BILL | 523999 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 50,000,000 | 49,914,417 | 85,583 | - | - | - | - | 49,914,417 |
| FUND 2700 | T-BILL | 524000 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 50,000,000 | 49,914,417 | 85,583 | - | - | - | - | 49,914,417 |
| FUND 2700 | T-BILL | 524001 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 2/14/2019 | Purchased | 2.37 | 2.374 | 13,530,000 | 13,506,841 | 23,159 | - | - | - | - | 13,506,841 |
| FUND 2700 | T-BILL | 524034 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 2/15/2019 | Purchased | 2.36 | 2.368 | 50,000,000 | 49,826,278 | 173,722 | - | - | - | - | 49,826,278 |
| FUND 2700 | T-BILL | 524035 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 2/15/2019 | Purchased | 2.36 | 2.368 | 50,000,000 | 49,826,278 | 173,722 | - | - | - | - | 49,826,278 |
| FUND 2700 | T-BILL | 524036 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 2/15/2019 | Purchased | 2.36 | 2.368 | 50,000,000 | 49,826,278 | 173,722 | - | - | - | - | 49,826,278 |
| FUND 2700 | T-BILL | 524037 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 2/15/2019 | Purchased | 2.36 | 2.368 | 47,068,000 | 46,904,465 | 163,535 | - | - | - | - | 46,904,465 |
| FUND 2700 | T-BILL | 523659 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.343 | 50,000,000 | 49,886,372 | - | - | 113,628 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523660 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.343 | 50,000,000 | 49,886,372 | - | - | 113,628 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523661 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.343 | 9,446,000 | 9,424,533 | - | - | 21,467 | - | - | 9,446,000 |
| FUND 2700 | T-BILL | 523750 | BONY | 96 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.337 | 2.343 | 40,467,000 | 40,375,036 | - | - | 91,964 | - | - | 40,467,000 |
| FUND 2700 | T-BILL | 524068 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 2/21/2019 | Purchased | 2.335 | 2.337 | 50,000,000 | 49,954,597 | 45,403 | - | - | - | - | 49,954,597 |
| FUND 2700 | T-BILL | 524069 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 2/21/2019 | Purchased | 2.335 | 2.337 | 50,000,000 | 49,954,597 | 45,403 | - | - | - | - | 49,954,597 |
| FUND 2700 | T-BILL | 524070 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 2/21/2019 | Purchased | 2.335 | 2.337 | 50,000,000 | 49,954,597 | 45,403 | - | - | - | - | 49,954,597 |
| FUND 2700 | T-BILL | 524071 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 2/21/2019 | Purchased | 2.335 | 2.337 | 50,000 | 49,955 | 45 | - | - | - | - | 49,955 |
| FUND 2700 | T-BILL | 524069 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 2/26/2019 | Partial Sale | 2.335 | 2.337 | 9,289,000 | 9,280,565 | 8,435 | - | 3,012 | - | 58 | 9,283,519 |
| FUND 2700 | T-BILL | 524068 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.337 | 50,000,000 | 49,954,597 | - | - | 45,403 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524070 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.337 | 50,000,000 | 49,954,597 | - | - | 45,403 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524071 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.337 | 50,000 | 49,955 | - | - | 45 | - | - | 50,000 |
| FUND 2700 | T-BILL | 524122 | BONY | 96 | DAIWA | 2/21/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.337 | 40,711,000 | 40,674,032 | - | - | 36,968 | - | - | 40,711,000 |
| FUND 2700 | T-BILL | 524224 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 3/7/2019 | Purchased | 2.39 | 2.397 | 50,000,000 | 49,860,583 | 139,417 | - | - | - | - | 49,860,583 |
| FUND 2700 | T-BILL | 524225 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 3/7/2019 | Purchased | 2.39 | 2.397 | 50,000,000 | 49,860,583 | 139,417 | - | - | - | - | 49,860,583 |
| FUND 2700 | T-BILL | 524226 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 3/7/2019 | Purchased | 2.39 | 2.397 | 41,951,000 | 41,834,027 | 116,973 | - | - | - | - | 41,834,027 |
| FUND 2700 | T-BILL | 523996 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 50,000,000 | 49,914,417 | - | - | 85,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523997 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 50,000,000 | 49,914,417 | - | - | 85,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523998 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 50,000,000 | 49,914,417 | - | - | 85,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 523999 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 50,000,000 | 49,914,417 | - | - | 85,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524000 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 50,000,000 | 49,914,417 | - | - | 85,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524001 | BONY | 96 | DAIWA | 2/14/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.37 | 2.374 | 13,530,000 | 13,506,841 | - | - | 23,159 | - | - | 13,530,000 |
| FUND 2700 | T-BILL | 524258 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | - | - | - | 49,906,861 |
| FUND 2700 | T-BILL | 524259 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | - | - | - | 49,906,861 |
| FUND 2700 | T-BILL | 524260 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | - | - | - | 49,906,861 |
| FUND 2700 | T-BILL | 524261 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | - | - | - | 49,906,861 |
| FUND 2700 | T-BILL | 524262 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | - | - | - | 49,906,861 |
| FUND 2700 | T-BILL | 524263 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 3/12/2019 | Purchased | 2.395 | 2.399 | 14,022,000 | 13,995,880 | 26,120 | - | - | - | - | 13,995,880 |
| FUND 2700 | T-BILL | 523918 | BONY | 96 | RBC | 2/7/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.325 | 2.33 | 624,000 | 622,590 | - | - | 1,411 | - | - | 624,000 |
| FUND 2700 | T-BILL | 524297 | BONY | 96 | RBC | 3/14/2019 | 6/13/2019 | 3/14/2019 | Purchased | 2.387 | 2.402 | 628,000 | 624,210 | 3,790 | - | - | - | - | 624,210 |
| FUND 2700 | T-BILL | 524309 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 3/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,818,194 | 181,806 | - | - | - | - | 49,818,194 |
| FUND 2700 | T-BILL | 524310 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 3/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,818,194 | 181,806 | - | - | - | - | 49,818,194 |
| FUND 2700 | T-BILL | 524311 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 3/15/2019 | Purchased | 2.38 | 2.389 | 50,000,000 | 49,818,194 | 181,806 | - | - | - | - | 49,818,194 |
| FUND 2700 | T-BILL | 524312 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 3/15/2019 | Purchased | 2.38 | 2.389 | 8,377,000 | 8,346,540 | 30,460 | - | - | - | - | 8,346,540 |
| FUND 2700 | T-BILL | 524226 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 3/29/2019 | Partial Sale | 2.39 | 2.397 | 14,344,000 | 14,304,004 | 39,996 | - | 20,950 | - | 179 | 14,325,134 |
| FUND 2700 | T-BILL | 524258 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Final Sale | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | 73,181 | - | 417 | 49,980,458 |
| FUND 2700 | T-BILL | 524259 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Final Sale | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | 73,181 | - | 417 | 49,980,458 |
| FUND 2700 | T-BILL | 524260 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Final Sale | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | 73,181 | - | 417 | 49,980,458 |
| FUND 2700 | T-BILL | 524261 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Final Sale | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | 73,181 | - | 417 | 49,980,458 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 524262 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Final Sale | 2.395 | 2.399 | 50,000,000 | 49,906,861 | 93,139 | - | 73,181 | - | 417 | 49,980,458 |
| FUND 2700 | T-BILL | 524263 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/3/2019 | Partial Sale | 2.395 | 2.399 | 98,000 | 97,817 | 183 | - | 143 | - | 1 | 97,962 |
| FUND 2700 | T-BILL | 524532 | BONY | 96 | RBC | 4/5/2019 | 6/13/2019 | 4/5/2019 | Purchased | 2.363 | 2.373 | 822,000 | 818,278 | 3,722 | - | - | - | - | 818,278 |
| FUND 2700 | T-BILL | 524034 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.368 | 50,000,000 | 49,826,278 | - | - | 173,722 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524035 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.368 | 50,000,000 | 49,826,278 | - | - | 173,722 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524036 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.368 | 50,000,000 | 49,826,278 | - | - | 173,722 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524037 | BONY | 96 | DAIWA | 2/15/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.368 | 47,068,000 | 46,904,465 | - | - | 163,535 | - | - | 47,068,000 |
| FUND 2700 | T-BILL | 524505 | BONY | 96 | DAIWA | 3/12/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.395 | 2.399 | 13,924,000 | 13,898,063 | - | - | 25,937 | - | - | 13,924,000 |
| FUND 2700 | T-BILL | 524551 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 2700 | T-BILL | 524552 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 2700 | T-BILL | 524553 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 2700 | T-BILL | 524554 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 2700 | T-BILL | 524555 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/9/2019 | Purchased | 2.33 | 2.331 | 11,088,000 | 11,082,977 | 5,023 | - | - | - | - | 11,082,977 |
| FUND 2700 | COMM PAPER | 524627 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 2700 | COMM PAPER | 524628 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.4 | 2.4 | 50,000,000 | 49,996,667 | 3,333 | - | - | - | - | 49,996,667 |
| FUND 2700 | COMM PAPER | 524629 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.4 | 2.4 | 25,246,000 | 25,244,317 | 1,683 | - | - | - | - | 25,244,317 |
| FUND 2700 | T-BILL | 524551 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524552 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524553 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524554 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524555 | BONY | 96 | DAIWA | 4/9/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.33 | 2.331 | 11,088,000 | 11,082,977 | - | - | 5,023 | - | - | 11,088,000 |
| FUND 2700 | COMM PAPER | 524627 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 524628 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.4 | 2.4 | 50,000,000 | 49,996,667 | - | - | 3,333 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 524629 | BONY | 96 | MERIL | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.4 | 2.4 | 25,246,000 | 25,244,317 | - | - | 1,683 | - | - | 25,246,000 |
| FUND 2700 | T-BILL | 524640 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524641 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524642 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524643 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524644 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524645 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 2700 | T-BILL | 524646 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.37 | 2.371 | 36,489,000 | 36,472,185 | 16,815 | - | - | - | - | 36,472,185 |
| FUND 2700 | T-BILL | 524224 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.39 | 2.397 | 50,000,000 | 49,860,583 | - | - | 139,417 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524225 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.39 | 2.397 | 50,000,000 | 49,860,583 | - | - | 139,417 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524469 | BONY | 96 | RBC | 3/7/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.39 | 2.397 | 27,607,000 | 27,530,022 | - | - | 76,978 | - | - | 27,607,000 |
| FUND 2700 | T-BILL | 524677 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/18/2019 | Purchased | 2.3 | 2.301 | 50,000,000 | 49,984,028 | 15,972 | - | - | - | - | 49,984,028 |
| FUND 2700 | T-BILL | 524678 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/18/2019 | Purchased | 2.3 | 2.301 | 50,000,000 | 49,984,028 | 15,972 | - | - | - | - | 49,984,028 |
| FUND 2700 | T-BILL | 524679 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/18/2019 | Purchased | 2.3 | 2.301 | 27,648,000 | 27,639,168 | 8,832 | - | - | - | - | 27,639,168 |
| FUND 2700 | T-BILL | 524640 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524641 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524642 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524643 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524644 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524645 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524646 | BONY | 96 | DAIWA | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.37 | 2.371 | 36,489,000 | 36,472,185 | - | - | 16,815 | - | - | 36,489,000 |
| FUND 2700 | T-BILL | 524677 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.301 | 50,000,000 | 49,984,028 | - | - | 15,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524678 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.301 | 50,000,000 | 49,984,028 | - | - | 15,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524679 | BONY | 96 | MERIL | 4/18/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.301 | 27,648,000 | 27,639,168 | - | - | 8,832 | - | - | 27,648,000 |
| FUND 2700 | T-BILL | 524719 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 4/23/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,947,667 | 52,333 | - | - | - | - | 49,947,667 |
| FUND 2700 | T-BILL | 524720 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 4/23/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,947,667 | 52,333 | - | - | - | - | 49,947,667 |
| FUND 2700 | T-BILL | 524721 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 4/23/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,947,667 | 52,333 | - | - | - | - | 49,947,667 |
| FUND 2700 | T-BILL | 524722 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 4/23/2019 | Purchased | 2.355 | 2.357 | 14,309,000 | 14,294,023 | 14,977 | - | - | - | - | 14,294,023 |
| FUND 2700 | T-BILL | 524722 | BONY | 96 | RBC | 4/23/2019 | 5/9/2019 | 5/3/2019 | Partial Sale | 2.355 | 2.357 | 12,403,000 | 12,390,018 | 12,982 | - | 8,114 | - | 130 | 12,398,262 |
| FUND 2700 | T-BILL | 524834 | BONY | 96 | RBC | 5/7/2019 | 6/13/2019 | 5/7/2019 | Purchased | 2.382 | 2.388 | 852,000 | 849,914 | 2,086 | - | - | - | - | 849,914 |
| FUND 2700 | T-BILL | 524309 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,818,194 | - | - | 181,806 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 524310 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,818,194 | - | - | 181,806 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524311 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.38 | 2.389 | 50,000,000 | 49,818,194 | - | - | 181,806 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524312 | BONY | 96 | DAIWA | 3/15/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.38 | 2.389 | 8,377,000 | 8,346,540 | - | - | 30,460 | - | - | 8,377,000 |
| FUND 2700 | T-BILL | 524719 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,947,667 | - | - | 52,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524720 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,947,667 | - | - | 52,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524721 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,947,667 | - | - | 52,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524816 | BONY | 96 | BOFAB | 4/23/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.355 | 2.357 | 1,906,000 | 1,904,005 | - | - | 1,995 | - | - | 1,906,000 |
| FUND 2700 | T-BILL | 524852 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524853 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524854 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524855 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524856 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524857 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 50,000,000 | 49,960,750 | 39,250 | - | - | - | - | 49,960,750 |
| FUND 2700 | T-BILL | 524858 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/9/2019 | Purchased | 2.355 | 2.357 | 10,527,000 | 10,518,736 | 8,264 | - | - | - | - | 10,518,736 |
| FUND 2700 | T-BILL | 524952 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 5/16/2019 | Purchased | 2.31 | 2.314 | 50,000,000 | 49,916,583 | 83,417 | - | - | - | - | 49,916,583 |
| FUND 2700 | T-BILL | 524953 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 5/16/2019 | Purchased | 2.31 | 2.314 | 50,000,000 | 49,916,583 | 83,417 | - | - | - | - | 49,916,583 |
| FUND 2700 | T-BILL | 524954 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 5/16/2019 | Purchased | 2.31 | 2.314 | 50,000,000 | 49,916,583 | 83,417 | - | - | - | - | 49,916,583 |
| FUND 2700 | T-BILL | 524955 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 5/16/2019 | Purchased | 2.31 | 2.314 | 16,291,000 | 16,263,821 | 27,179 | - | - | - | - | 16,263,821 |
| FUND 2700 | T-BILL | 524852 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524853 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524854 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524855 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524856 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524857 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 50,000,000 | 49,960,750 | - | - | 39,250 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 524858 | BONY | 96 | BOFAB | 5/9/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.355 | 2.357 | 10,527,000 | 10,518,736 | - | - | 8,264 | - | - | 10,527,000 |
| FUND 2700 | T-BILL | 525012 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525013 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525015 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525016 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525017 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525018 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 10,803,000 | 10,793,421 | 9,579 | - | - | - | - | 10,793,421 |
| FUND 2700 | T-BILL | 525027 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 5/21/2019 | Purchased | 2.28 | 2.282 | 50,000,000 | 49,955,667 | 44,333 | - | - | - | - | 49,955,667 |
| FUND 2700 | T-BILL | 525082 | BONY | 96 | DAIWA | 5/23/2019 | 6/13/2019 | 5/23/2019 | Purchased | 2.25 | 2.253 | 48,914,000 | 48,849,800 | 64,200 | - | - | - | - | 48,849,800 |
| FUND 2700 | T-BILL | 524952 | BONY | 96 | RBC | 5/16/2019 | 6/11/2019 | 5/30/2019 | Final Sale | 2.31 | 2.314 | 50,000,000 | 49,916,583 | 83,417 | - | 44,917 | - | 167 | 49,961,667 |
| FUND 2700 | T-BILL | 524955 | BONY | 96 | RBC | 5/16/2019 | 6/11/2019 | 5/30/2019 | Partial Sale | 2.31 | 2.314 | 9,858,000 | 9,841,554 | 16,446 | - | 8,856 | - | 33 | 9,850,442 |
| FUND 2700 | T-BILL | 524953 | BONY | 96 | MERIL | 5/16/2019 | 6/11/2019 | 5/31/2019 | Partial Sale | 2.31 | 2.314 | 10,888,000 | 10,869,835 | 18,165 | - | 10,480 | - | 83 | 10,880,398 |
| FUND 2700 | T-BILL | 525012 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525013 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525015 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525016 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525017 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525018 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 10,803,000 | 10,793,421 | - | - | 9,579 | - | - | 10,803,000 |
| FUND 2700 | T-BILL | 525027 | BONY | 96 | DAIWA | 5/21/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.28 | 2.282 | 50,000,000 | 49,955,667 | - | - | 44,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525186 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525187 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525188 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525189 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525190 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525191 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 50,000,000 | 49,956,104 | 43,896 | - | - | - | - | 49,956,104 |
| FUND 2700 | T-BILL | 525192 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/4/2019 | Purchased | 2.257 | 2.259 | 11,076,000 | 11,066,276 | 9,724 | - | - | - | - | 11,066,276 |
| FUND 2700 | T-BILL | 525254 | BONY | 96 | DAIWA | 6/7/2019 | 7/9/2019 | 6/7/2019 | Purchased | 2.22 | 2.224 | 702,000 | 700,615 | 1,385 | - | - | - | - | 700,615 |
| FUND 2700 | T-BILL | 524954 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.31 | 2.314 | 50,000,000 | 49,916,583 | - | - | 83,417 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525157 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.31 | 2.314 | 6,433,000 | 6,422,268 | - | - | 10,732 | - | - | 6,433,000 |
| FUND 2700 | T-BILL | 525172 | BONY | 96 | DAIWA | 5/16/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.31 | 2.314 | 39,112,000 | 39,046,748 | - | - | 65,252 | - | - | 39,112,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 525282 | BONY | 96 | DAIWA | 6/11/2019 | 7/9/2019 | 6/11/2019 | Purchased | 2.26 | 2.264 | 50,000,000 | 49,912,111 | 87,889 | - | - | - | - | 49,912,111 |
| FUND 2700 | T-BILL | 525283 | BONY | 96 | DAIWA | 6/11/2019 | 7/9/2019 | 6/11/2019 | Purchased | 2.26 | 2.264 | 45,714,000 | 45,633,645 | 80,355 | - | - | - | - | 45,633,645 |
| FUND 2700 | T-BILL | 524297 | BONY | 96 | RBC | 3/14/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.387 | 2.402 | 628,000 | 624,210 | - | - | 3,790 | - | - | 628,000 |
| FUND 2700 | T-BILL | 524532 | BONY | 96 | RBC | 4/5/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.363 | 2.373 | 822,000 | 818,278 | - | - | 3,722 | - | - | 822,000 |
| FUND 2700 | T-BILL | 524834 | BONY | 96 | RBC | 5/7/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.382 | 2.388 | 852,000 | 849,914 | - | - | 2,086 | - | - | 852,000 |
| FUND 2700 | T-BILL | 525082 | BONY | 96 | DAIWA | 5/23/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.25 | 2.253 | 48,914,000 | 48,849,800 | - | - | 64,200 | - | - | 48,914,000 |
| FUND 2700 | T-BILL | 525304 | BONY | 96 | DAIWA | 6/13/2019 | 7/9/2019 | 6/13/2019 | Purchased | 2.13 | 2.133 | 50,000,000 | 49,923,083 | 76,917 | - | - | - | - | 49,923,083 |
| FUND 2700 | T-BILL | 525305 | BONY | 96 | DAIWA | 6/13/2019 | 7/9/2019 | 6/13/2019 | Purchased | 2.13 | 2.133 | 1,295,000 | 1,293,008 | 1,992 | - | - | - | - | 1,293,008 |
| FUND 2700 | FHLB NOTES | 525335 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 6/14/2019 | Purchased | 2.16 | 2.165 | 50,000,000 | 49,877,000 | 123,000 | - | - | - | - | 49,877,000 |
| FUND 2700 | FHLB NOTES | 525336 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 6/14/2019 | Purchased | 2.16 | 2.165 | 18,005,000 | 17,960,708 | 44,292 | - | - | - | - | 17,960,708 |
| FUND 2700 | FHLB NOTES | 525337 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 6/14/2019 | Purchased | 2.16 | 2.165 | 50,000,000 | 49,877,000 | 123,000 | - | - | - | - | 49,877,000 |
| FUND 2700 | T-BILL | 525186 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525187 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525188 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525189 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525190 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525191 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 50,000,000 | 49,956,104 | - | - | 43,896 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525192 | BONY | 96 | BOFAB | 6/4/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.257 | 2.259 | 11,076,000 | 11,066,276 | - | - | 9,724 | - | - | 11,076,000 |
| FUND 2700 | FFCB DISC | 525376 | BONY | 96 | DAIWA | 6/18/2019 | 7/23/2019 | 6/18/2019 | Purchased | 2.2 | 2.205 | 50,000,000 | 49,893,056 | 106,944 | - | - | - | - | 49,893,056 |
| FUND 2700 | T-BILL | 525377 | BONY | 96 | BOFAB | 6/18/2019 | 7/25/2019 | 6/18/2019 | Purchased | 2.07 | 2.074 | 50,000,000 | 49,893,625 | 106,375 | - | - | - | - | 49,893,625 |
| FUND 2700 | T-BILL | 525378 | BONY | 96 | BOFAB | 6/18/2019 | 7/25/2019 | 6/18/2019 | Purchased | 2.07 | 2.074 | 11,314,000 | 11,289,929 | 24,071 | - | - | - | - | 11,289,929 |
| FUND 2700 | COMM PAPER | 525413 | BONY | 96 | MERIL | 6/21/2019 | 6/27/2019 | 6/21/2019 | Purchased | 2.36 | 2.361 | 37,515,000 | 37,500,244 | 14,756 | - | - | - | - | 37,500,244 |
| FUND 2700 | COMM PAPER | 525413 | BONY | 96 | MERIL | 6/21/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.36 | 2.361 | 37,515,000 | 37,500,244 | - | - | 14,756 | - | - | 37,515,000 |
| FUND 2700 | T-BILL | 525304 | BONY | 96 | CANT | 6/13/2019 | 7/9/2019 | 6/27/2019 | Partial Sale | 2.13 | 2.133 | 62,000 | 61,905 | 95 | - | 51 | - | 2 | 61,958 |
| FUND 2700 | COMM PAPER | 525465 | BONY | 96 | MERIL | 6/27/2019 | 7/24/2019 | 6/27/2019 | Purchased | 2.4 | 2.404 | 26,606,000 | 26,558,109 | 47,891 | - | - | - | - | 26,558,109 |
| FUND 2700 | T-BILL | 525378 | BONY | 96 | RBC | 6/18/2019 | 7/25/2019 | 7/8/2019 | Partial Sale | 2.07 | 2.074 | 2,000 | 1,996 | 4 | - | 2 | - | 0 | 1,998 |
| FUND 2700 | T-BILL | 525254 | BONY | 96 | DAIWA | 6/7/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.22 | 2.224 | 702,000 | 700,615 | - | - | 1,385 | - | - | 702,000 |
| FUND 2700 | T-BILL | 525282 | BONY | 96 | DAIWA | 6/11/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.26 | 2.264 | 50,000,000 | 49,912,111 | - | - | 87,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525283 | BONY | 96 | DAIWA | 6/11/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.26 | 2.264 | 45,714,000 | 45,633,645 | - | - | 80,355 | - | - | 45,714,000 |
| FUND 2700 | T-BILL | 525305 | BONY | 96 | DAIWA | 6/13/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.13 | 2.133 | 1,295,000 | 1,293,008 | - | - | 1,992 | - | - | 1,295,000 |
| FUND 2700 | T-BILL | 525474 | BONY | 96 | DAIWA | 6/13/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.13 | 2.133 | 49,938,000 | 49,861,179 | - | - | 76,821 | - | - | 49,938,000 |
| FUND 2700 | T-BILL | 525566 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2700 | T-BILL | 525567 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 50,000,000 | 49,915,125 | 84,875 | - | - | - | - | 49,915,125 |
| FUND 2700 | T-BILL | 525568 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 47,900,000 | 47,818,690 | 81,310 | - | - | - | - | 47,818,690 |
| FUND 2700 | T-BILL | 525637 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 7/15/2019 | Purchased | 2.125 | 2.128 | 50,000,000 | 49,935,069 | 64,931 | - | - | - | - | 49,935,069 |
| FUND 2700 | T-BILL | 525638 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 7/15/2019 | Purchased | 2.125 | 2.128 | 50,000,000 | 49,935,069 | 64,931 | - | - | - | - | 49,935,069 |
| FUND 2700 | T-BILL | 525639 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 7/15/2019 | Purchased | 2.125 | 2.128 | 10,180,000 | 10,166,780 | 13,220 | - | - | - | - | 10,166,780 |
| FUND 2700 | COMM PAPER | 525712 | BONY | 96 | MERIL | 7/22/2019 | 8/6/2019 | 7/22/2019 | Purchased | 2.39 | 2.392 | 40,439,000 | 40,398,730 | 40,271 | - | - | - | - | 40,398,730 |
| FUND 2700 | FFCB DISC | 525376 | BONY | 96 | DAIWA | 6/18/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.2 | 2.205 | 50,000,000 | 49,893,056 | - | - | 106,944 | - | - | 50,000,000 |
| FUND 2700 | FFCB DISC | 525724 | BONY | 96 | DAIWA | 7/23/2019 | 8/27/2019 | 7/23/2019 | Purchased | 2.12 | 2.124 | 25,000,000 | 24,948,472 | 51,528 | - | - | - | - | 24,948,472 |
| FUND 2700 | COMM PAPER | 525725 | BONY | 96 | CANT | 7/23/2019 | 8/6/2019 | 7/23/2019 | Purchased | 2.31 | 2.312 | 33,533,000 | 33,502,876 | 30,124 | - | - | - | - | 33,502,876 |
| FUND 2700 | COMM PAPER | 525465 | BONY | 96 | MERIL | 6/27/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.4 | 2.404 | 26,606,000 | 26,558,109 | - | - | 47,891 | - | - | 26,606,000 |
| FUND 2700 | T-BILL | 525747 | BONY | 96 | DAIWA | 7/24/2019 | 10/3/2019 | 7/24/2019 | Purchased | 2 | 2.008 | 26,712,000 | 26,606,636 | 105,364 | - | - | - | - | 26,606,636 |
| FUND 2700 | FHLB NOTES | 525335 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.16 | 2.165 | 50,000,000 | 49,877,000 | - | - | 123,000 | - | - | 50,000,000 |
| FUND 2700 | FHLB NOTES | 525336 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.16 | 2.165 | 18,005,000 | 17,960,708 | - | - | 44,292 | - | - | 18,005,000 |
| FUND 2700 | FHLB NOTES | 525337 | BONY | 96 | MERIL | 6/14/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.16 | 2.165 | 50,000,000 | 49,877,000 | - | - | 123,000 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525377 | BONY | 96 | BOFAB | 6/18/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.07 | 2.074 | 50,000,000 | 49,893,625 | - | - | 106,375 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525549 | BONY | 96 | BOFAB | 6/18/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.07 | 2.074 | 11,312,000 | 11,287,934 | - | - | 24,066 | - | - | 11,312,000 |
| FUND 2700 | COMM PAPER | 525750 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 7/25/2019 | Purchased | 2.22 | 2.225 | 50,000,000 | 49,898,250 | 101,750 | - | - | - | - | 49,898,250 |
| FUND 2700 | COMM PAPER | 525751 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 7/25/2019 | Purchased | 2.22 | 2.225 | 50,000,000 | 49,898,250 | 101,750 | - | - | - | - | 49,898,250 |
| FUND 2700 | COMM PAPER | 525752 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 7/25/2019 | Purchased | 2.22 | 2.225 | 50,000,000 | 49,898,250 | 101,750 | - | - | - | - | 49,898,250 |
| FUND 2700 | COMM PAPER | 525753 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 7/25/2019 | Purchased | 2.22 | 2.225 | 29,682,000 | 29,621,597 | 60,403 | - | - | - | - | 29,621,597 |
| FUND 2700 | T-BILL | 525637 | BONY | 96 | CANT | 7/15/2019 | 8/6/2019 | 7/29/2019 | Partial Sale | 2.125 | 2.128 | 11,639,000 | 11,623,885 | 15,115 | - | 9,618 | - | 427 | 11,633,931 |
| FUND 2700 | T-BILL | 525566 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 50,000,000 | 49,915,125 | - | - | 84,875 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 525567 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 50,000,000 | 49,915,125 | - | - | 84,875 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525568 | BONY | 96 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 47,900,000 | 47,818,690 | - | - | 81,310 | - | - | 47,900,000 |
| FUND 2700 | T-BILL | 525638 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.125 | 2.128 | 50,000,000 | 49,935,069 | - | - | 64,931 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525639 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.125 | 2.128 | 10,180,000 | 10,166,780 | - | - | 13,220 | - | - | 10,180,000 |
| FUND 2700 | COMM PAPER | 525712 | BONY | 96 | MERIL | 7/22/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.39 | 2.392 | 40,439,000 | 40,398,730 | - | - | 40,271 | - | - | 40,439,000 |
| FUND 2700 | COMM PAPER | 525725 | BONY | 96 | CANT | 7/23/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.31 | 2.312 | 33,533,000 | 33,502,876 | - | - | 30,124 | - | - | 33,533,000 |
| FUND 2700 | T-BILL | 525791 | BONY | 96 | DAIWA | 7/15/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.125 | 2.128 | 38,361,000 | 38,311,184 | - | - | 49,816 | - | - | 38,361,000 |
| FUND 2700 | T-BILL | 525861 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 8/6/2019 | Purchased | 2.01 | 2.017 | 50,000,000 | 49,838,083 | 161,917 | - | - | - | - | 49,838,083 |
| FUND 2700 | T-BILL | 525862 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 8/6/2019 | Purchased | 2.01 | 2.017 | 50,000,000 | 49,838,083 | 161,917 | - | - | - | - | 49,838,083 |
| FUND 2700 | T-BILL | 525863 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 8/6/2019 | Purchased | 2.01 | 2.017 | 50,000,000 | 49,838,083 | 161,917 | - | - | - | - | 49,838,083 |
| FUND 2700 | T-BILL | 525864 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 8/6/2019 | Purchased | 2.01 | 2.017 | 50,000,000 | 49,838,083 | 161,917 | - | - | - | - | 49,838,083 |
| FUND 2700 | T-BILL | 525865 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 8/6/2019 | Purchased | 2.01 | 2.017 | 21,245,000 | 21,176,202 | 68,798 | - | - | - | - | 21,176,202 |
| FUND 2700 | T-BILL | 525866 | BONY | 96 | DAIWA | 8/6/2019 | 8/27/2019 | 8/6/2019 | Purchased | 1.99 | 1.992 | 50,000,000 | 49,941,958 | 58,042 | - | - | - | - | 49,941,958 |
| FUND 2700 | T-BILL | 525867 | BONY | 96 | DAIWA | 8/6/2019 | 8/27/2019 | 8/6/2019 | Purchased | 1.99 | 1.992 | 50,000,000 | 49,941,958 | 58,042 | - | - | - | - | 49,941,958 |
| FUND 2700 | T-BILL | 525884 | BONY | 96 | CANT | 8/7/2019 | 10/3/2019 | 8/7/2019 | Purchased | 1.96 | 1.966 | 188,000 | 187,417 | 583 | - | - | - | - | 187,417 |
| FUND 2700 | COMM PAPER | 525992 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 8/15/2019 | Purchased | 2.14 | 2.144 | 50,000,000 | 49,904,889 | 95,111 | - | - | - | - | 49,904,889 |
| FUND 2700 | COMM PAPER | 525993 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 8/15/2019 | Purchased | 2.14 | 2.144 | 30,000,000 | 29,942,933 | 57,067 | - | - | - | - | 29,942,933 |
| FUND 2700 | COMM PAPER | 525994 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 8/15/2019 | Purchased | 2.11 | 2.114 | 46,511,000 | 46,423,766 | 87,234 | - | - | - | - | 46,423,766 |
| FUND 2700 | T-BILL | 525747 | BONY | 96 | DAIWA | 7/24/2019 | 10/3/2019 | 8/23/2019 | Partial Sale | 2 | 2.008 | 10,897,000 | 10,854,017 | 42,983 | - | 18,162 | - | 434 | 10,872,613 |
| FUND 2700 | FFCB DISC | 525724 | BONY | 96 | DAIWA | 7/23/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.12 | 2.124 | 25,000,000 | 24,948,472 | - | - | 51,528 | - | - | 25,000,000 |
| FUND 2700 | COMM PAPER | 525750 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.22 | 2.225 | 50,000,000 | 49,898,250 | - | - | 101,750 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 525751 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.22 | 2.225 | 50,000,000 | 49,898,250 | - | - | 101,750 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 525752 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.22 | 2.225 | 50,000,000 | 49,898,250 | - | - | 101,750 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 525753 | BONY | 96 | MERIL | 7/25/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.22 | 2.225 | 29,682,000 | 29,621,597 | - | - | 60,403 | - | - | 29,682,000 |
| FUND 2700 | T-BILL | 525866 | BONY | 96 | DAIWA | 8/6/2019 | 8/27/2019 | 8/27/2019 | Matured | 1.99 | 1.992 | 50,000,000 | 49,941,958 | - | - | 58,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525867 | BONY | 96 | DAIWA | 8/6/2019 | 8/27/2019 | 8/27/2019 | Matured | 1.99 | 1.992 | 50,000,000 | 49,941,958 | - | - | 58,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526127 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 8/27/2019 | Purchased | 2.011 | 2.012 | 50,000,000 | 49,960,907 | 39,093 | - | - | - | - | 49,960,907 |
| FUND 2700 | T-BILL | 526128 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 8/27/2019 | Purchased | 2.011 | 2.012 | 50,000,000 | 49,960,907 | 39,093 | - | - | - | - | 49,960,907 |
| FUND 2700 | T-BILL | 526129 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 8/27/2019 | Purchased | 2.011 | 2.012 | 50,000,000 | 49,960,907 | 39,093 | - | - | - | - | 49,960,907 |
| FUND 2700 | T-BILL | 526130 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 8/27/2019 | Purchased | 2.011 | 2.012 | 50,000,000 | 49,960,907 | 39,093 | - | - | - | - | 49,960,907 |
| FUND 2700 | T-BILL | 526131 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 8/27/2019 | Purchased | 2.011 | 2.012 | 50,000,000 | 49,960,907 | 39,093 | - | - | - | - | 49,960,907 |
| FUND 2700 | T-BILL | 526132 | BONY | 96 | DAIWA | 8/27/2019 | 10/3/2019 | 8/27/2019 | Purchased | 1.99 | 1.994 | 50,000,000 | 49,897,736 | 102,264 | - | - | - | - | 49,897,736 |
| FUND 2700 | T-BILL | 526133 | BONY | 96 | DAIWA | 8/27/2019 | 10/3/2019 | 8/27/2019 | Purchased | 1.99 | 1.994 | 4,990,000 | 4,979,794 | 10,206 | - | - | - | - | 4,979,794 |
| FUND 2700 | T-BILL | 525865 | BONY | 96 | MERIL | 8/6/2019 | 10/3/2019 | 9/9/2019 | Partial Sale | 2.01 | 2.017 | 370,000 | 368,802 | 1,198 | - | 702 | - | 11 | 369,515 |
| FUND 2700 | T-BILL | 526127 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.011 | 2.012 | 50,000,000 | 49,960,907 | - | - | 39,093 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526128 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.011 | 2.012 | 50,000,000 | 49,960,907 | - | - | 39,093 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526129 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.011 | 2.012 | 50,000,000 | 49,960,907 | - | - | 39,093 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526130 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.011 | 2.012 | 50,000,000 | 49,960,907 | - | - | 39,093 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526131 | BONY | 96 | MERIL | 8/27/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.011 | 2.012 | 50,000,000 | 49,960,907 | - | - | 39,093 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526287 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.978 | 1.979 | 50,000,000 | 49,961,549 | 38,451 | - | - | - | - | 49,961,549 |
| FUND 2700 | T-BILL | 526288 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.978 | 1.979 | 50,000,000 | 49,961,549 | 38,451 | - | - | - | - | 49,961,549 |
| FUND 2700 | T-BILL | 526289 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.978 | 1.979 | 50,000,000 | 49,961,549 | 38,451 | - | - | - | - | 49,961,549 |
| FUND 2700 | T-BILL | 526290 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.978 | 1.979 | 50,000,000 | 49,961,549 | 38,451 | - | - | - | - | 49,961,549 |
| FUND 2700 | T-BILL | 526291 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.978 | 1.979 | 50,000,000 | 49,961,549 | 38,451 | - | - | - | - | 49,961,549 |
| FUND 2700 | T-BILL | 526292 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/10/2019 | Purchased | 1.977 | 1.979 | 193,000 | 192,852 | 148 | - | - | - | - | 192,852 |
| FUND 2700 | COMM PAPER | 525992 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.14 | 2.144 | 50,000,000 | 49,904,889 | - | - | 95,111 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 525993 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.14 | 2.144 | 30,000,000 | 29,942,933 | - | - | 57,067 | - | - | 30,000,000 |
| FUND 2700 | COMM PAPER | 525994 | BONY | 96 | CANT | 8/15/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.11 | 2.114 | 46,511,000 | 46,423,766 | - | - | 87,234 | - | - | 46,511,000 |
| FUND 2700 | FFCB DISC | 526354 | BONY | 96 | CANT | 9/16/2019 | 10/21/2019 | 9/16/2019 | Purchased | 1.97 | 1.974 | 25,000,000 | 24,952,118 | 47,882 | - | - | - | - | 24,952,118 |
| FUND 2700 | FFCB DISC | 526355 | BONY | 96 | DAIWA | 9/16/2019 | 11/25/2019 | 9/16/2019 | Purchased | 1.96 | 1.967 | 50,000,000 | 49,809,444 | 190,556 | - | - | - | - | 49,809,444 |
| FUND 2700 | T-BILL | 526356 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 9/16/2019 | Purchased | 1.923 | 1.926 | 50,000,000 | 49,917,226 | 82,774 | - | - | - | - | 49,917,226 |
| FUND 2700 | T-BILL | 526357 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 9/16/2019 | Purchased | 1.923 | 1.926 | 50,000,000 | 49,917,226 | 82,774 | - | - | - | - | 49,917,226 |
| FUND 2700 | T-BILL | 526358 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 9/16/2019 | Purchased | 1.923 | 1.926 | 50,000,000 | 49,917,226 | 82,774 | - | - | - | - | 49,917,226 |
| FUND 2700 | T-BILL | 526359 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 9/16/2019 | Purchased | 1.922 | 1.926 | 6,916,000 | 6,904,551 | 11,449 | - | - | - | - | 6,904,551 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | REPO INT | 526430 | BONY | 96 | DAIWA | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.8 | 1.8 | 48,850,000 | 48,850,000 | - | - | - | - | - | 48,850,000 |
| FUND 2700 | T-BILL | 526287 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.978 | 1.979 | 50,000,000 | 49,961,549 | - | - | 38,451 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526288 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.978 | 1.979 | 50,000,000 | 49,961,549 | - | - | 38,451 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526289 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.978 | 1.979 | 50,000,000 | 49,961,549 | - | - | 38,451 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526290 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.978 | 1.979 | 50,000,000 | 49,961,549 | - | - | 38,451 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526291 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.978 | 1.979 | 50,000,000 | 49,961,549 | - | - | 38,451 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526292 | BONY | 96 | BOFAB | 9/10/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.977 | 1.979 | 193,000 | 192,852 | - | - | 148 | - | - | 193,000 |
| FUND 2700 | REPO INT | 526430 | BONY | 96 | DAIWA | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.8 | 1.8 | 48,850,000 | 48,850,000 | - | - | 2,443 | - | - | 48,852,443 |
| FUND 2700 | T-BILL | 526436 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 50,000,000 | 49,892,667 | 107,333 | - | - | - | - | 49,892,667 |
| FUND 2700 | T-BILL | 526437 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 50,000,000 | 49,892,667 | 107,333 | - | - | - | - | 49,892,667 |
| FUND 2700 | T-BILL | 526438 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 50,000,000 | 49,892,667 | 107,333 | - | - | - | - | 49,892,667 |
| FUND 2700 | T-BILL | 526439 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 50,000,000 | 49,892,667 | 107,333 | - | - | - | - | 49,892,667 |
| FUND 2700 | T-BILL | 526440 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 50,000,000 | 49,892,667 | 107,333 | - | - | - | - | 49,892,667 |
| FUND 2700 | T-BILL | 526441 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 9/24/2019 | Purchased | 1.84 | 1.844 | 49,689,000 | 49,582,334 | 106,666 | - | - | - | - | 49,582,334 |
| FUND 2700 | T-BILL | 526121 | BONY | 96 | BOFAB | 7/24/2019 | 10/3/2019 | 9/25/2019 | Partial Sale | 2 | 2.008 | 10,898,000 | 10,855,013 | 42,987 | - | - | 38,143 | 630 | 10,893,786 |
| FUND 2700 | T-BILL | 525861 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.01 | 2.017 | 50,000,000 | 49,838,083 | - | - | 161,917 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525862 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.01 | 2.017 | 50,000,000 | 49,838,083 | - | - | 161,917 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525863 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.01 | 2.017 | 50,000,000 | 49,838,083 | - | - | 161,917 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525864 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.01 | 2.017 | 50,000,000 | 49,838,083 | - | - | 161,917 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 525884 | BONY | 96 | CANT | 8/7/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.96 | 1.966 | 188,000 | 187,417 | - | - | 583 | - | - | 188,000 |
| FUND 2700 | T-BILL | 526132 | BONY | 96 | DAIWA | 8/27/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.99 | 1.994 | 50,000,000 | 49,897,736 | - | - | 102,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526133 | BONY | 96 | DAIWA | 8/27/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.99 | 1.994 | 4,990,000 | 4,979,794 | - | - | 10,206 | - | - | 4,990,000 |
| FUND 2700 | T-BILL | 526276 | BONY | 96 | CANT | 8/6/2019 | 10/3/2019 | 10/3/2019 | Matured | 2.01 | 2.017 | 20,875,000 | 20,807,400 | - | - | 67,600 | - | - | 20,875,000 |
| FUND 2700 | T-BILL | 526471 | BONY | 96 | DAIWA | 7/24/2019 | 10/3/2019 | 10/3/2019 | Matured | 2 | 2.008 | 4,917,000 | 4,897,605 | - | - | 19,395 | - | - | 4,917,000 |
| FUND 2700 | T-BILL | 526556 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 50,000,000 | 49,984,007 | 15,993 | - | - | - | - | 49,984,007 |
| FUND 2700 | T-BILL | 526557 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 50,000,000 | 49,984,007 | 15,993 | - | - | - | - | 49,984,007 |
| FUND 2700 | T-BILL | 526558 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 50,000,000 | 49,984,007 | 15,993 | - | - | - | - | 49,984,007 |
| FUND 2700 | T-BILL | 526559 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 50,000,000 | 49,984,007 | 15,993 | - | - | - | - | 49,984,007 |
| FUND 2700 | T-BILL | 526560 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 50,000,000 | 49,984,007 | 15,993 | - | - | - | - | 49,984,007 |
| FUND 2700 | T-BILL | 526561 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/3/2019 | Purchased | 1.645 | 1.646 | 31,060,000 | 31,050,065 | 9,935 | - | - | - | - | 31,050,065 |
| FUND 2700 | T-BILL | 526359 | BONY | 96 | BOFAB | 9/16/2019 | 10/17/2019 | 10/7/2019 | Partial Sale | 1.922 | 1.926 | 280,000 | 279,536 | 464 | - | - | 314 | 17 | 279,867 |
| FUND 2700 | T-BILL | 526556 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 50,000,000 | 49,984,007 | - | - | 15,993 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526557 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 50,000,000 | 49,984,007 | - | - | 15,993 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526558 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 50,000,000 | 49,984,007 | - | - | 15,993 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526559 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 50,000,000 | 49,984,007 | - | - | 15,993 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526560 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 50,000,000 | 49,984,007 | - | - | 15,993 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526561 | BONY | 96 | BOFAB | 10/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.645 | 1.646 | 31,060,000 | 31,050,065 | - | - | 9,935 | - | - | 31,060,000 |
| FUND 2700 | T-BILL | 526646 | BONY | 96 | DAIWA | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 31,137,000 | 31,059,936 | 77,064 | - | - | - | - | 31,059,936 |
| FUND 2700 | T-BILL | 526356 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.923 | 1.926 | 50,000,000 | 49,917,226 | - | - | 82,774 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526357 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.923 | 1.926 | 50,000,000 | 49,917,226 | - | - | 82,774 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526358 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.923 | 1.926 | 50,000,000 | 49,917,226 | - | - | 82,774 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526594 | BONY | 96 | DAIWA | 9/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.922 | 1.926 | 6,636,000 | 6,625,014 | - | - | 10,986 | - | - | 6,636,000 |
| FUND 2700 | T-BILL | 526735 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 10/17/2019 | Purchased | 1.59 | 1.593 | 50,000,000 | 49,911,667 | 88,333 | - | - | - | - | 49,911,667 |
| FUND 2700 | T-BILL | 526736 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 10/17/2019 | Purchased | 1.59 | 1.593 | 50,000,000 | 49,911,667 | 88,333 | - | - | - | - | 49,911,667 |
| FUND 2700 | T-BILL | 526737 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 10/17/2019 | Purchased | 1.59 | 1.593 | 19,346,000 | 19,311,822 | 34,178 | - | - | - | - | 19,311,822 |
| FUND 2700 | FFCB DISC | 526354 | BONY | 96 | CANT | 9/16/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.97 | 1.974 | 25,000,000 | 24,952,118 | - | - | 47,882 | - | - | 25,000,000 |
| FUND 2700 | T-BILL | 526768 | BONY | 96 | BOFAB | 10/21/2019 | 11/26/2019 | 10/21/2019 | Purchased | 1.61 | 1.613 | 25,041,000 | 25,000,684 | 40,316 | - | - | - | - | 25,000,684 |
| FUND 2700 | T-BILL | 526790 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 10/23/2019 | Purchased | 1.656 | 1.658 | 50,000,000 | 49,921,824 | 78,176 | - | - | - | - | 49,921,824 |
| FUND 2700 | T-BILL | 526791 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 10/23/2019 | Purchased | 1.656 | 1.658 | 50,000,000 | 49,921,824 | 78,176 | - | - | - | - | 49,921,824 |
| FUND 2700 | T-BILL | 526792 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 10/23/2019 | Purchased | 1.656 | 1.658 | 13,059,000 | 13,038,582 | 20,418 | - | - | - | - | 13,038,582 |
| FUND 2700 | T-BILL | 526436 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 50,000,000 | 49,892,667 | - | - | 107,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526437 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 50,000,000 | 49,892,667 | - | - | 107,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526438 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 50,000,000 | 49,892,667 | - | - | 107,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526439 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 50,000,000 | 49,892,667 | - | - | 107,333 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 526440 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 50,000,000 | 49,892,667 | - | - | 107,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526441 | BONY | 96 | DAIWA | 9/24/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.84 | 1.844 | 49,689,000 | 49,582,334 | - | - | 106,666 | - | - | 49,689,000 |
| FUND 2700 | T-BILL | 526895 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 2700 | T-BILL | 526896 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 2700 | T-BILL | 526897 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 2700 | T-BILL | 526898 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 2700 | T-BILL | 526899 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 50,000,000 | 49,982,500 | 17,500 | - | - | - | - | 49,982,500 |
| FUND 2700 | T-BILL | 526900 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/5/2019 | Purchased | 1.4 | 1.4 | 38,879,000 | 38,865,392 | 13,608 | - | - | - | - | 38,865,392 |
| FUND 2700 | FFCB DISC | 526355 | BONY | 96 | DAIWA | 9/16/2019 | 11/25/2019 | 11/7/2019 | Partial Sale | 1.96 | 1.967 | 356,000 | 354,643 | 1,357 | - | 1,008 | - | 91 | 355,742 |
| FUND 2700 | T-BILL | 526976 | BONY | 96 | CANT | 11/12/2019 | 12/3/2019 | 11/12/2019 | Purchased | 1.5 | 1.501 | 28,000 | 27,976 | 25 | - | - | - | - | 27,976 |
| FUND 2700 | T-BILL | 526895 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526896 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526897 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526898 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526899 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 50,000,000 | 49,982,500 | - | - | 17,500 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526900 | BONY | 96 | DAIWA | 11/5/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.4 | 1.4 | 38,879,000 | 38,865,392 | - | - | 13,608 | - | - | 38,879,000 |
| FUND 2700 | T-BILL | 526991 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,945,111 | 54,889 | - | - | - | - | 49,945,111 |
| FUND 2700 | T-BILL | 526992 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,945,111 | 54,889 | - | - | - | - | 49,945,111 |
| FUND 2700 | T-BILL | 526993 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,945,111 | 54,889 | - | - | - | - | 49,945,111 |
| FUND 2700 | T-BILL | 526994 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,945,111 | 54,889 | - | - | - | - | 49,945,111 |
| FUND 2700 | T-BILL | 526995 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,945,111 | 54,889 | - | - | - | - | 49,945,111 |
| FUND 2700 | T-BILL | 526996 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 39,196,000 | 39,152,972 | 43,029 | - | - | - | - | 39,152,972 |
| FUND 2700 | T-BILL | 527068 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 11/20/2019 | Purchased | 1.525 | 1.526 | 50,000,000 | 49,972,465 | 27,535 | - | - | - | - | 49,972,465 |
| FUND 2700 | T-BILL | 527069 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 11/20/2019 | Purchased | 1.525 | 1.526 | 50,000,000 | 49,972,465 | 27,535 | - | - | - | - | 49,972,465 |
| FUND 2700 | T-BILL | 527070 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 11/20/2019 | Purchased | 1.525 | 1.526 | 31,187,000 | 31,169,825 | 17,175 | - | - | - | - | 31,169,825 |
| FUND 2700 | FFCB DISC | 526938 | BONY | 96 | DAIWA | 9/16/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.96 | 1.967 | 49,644,000 | 49,454,801 | - | - | 189,199 | - | - | 49,644,000 |
| FUND 2700 | T-BILL | 527120 | BONY | 96 | MERIL | 11/25/2019 | 12/3/2019 | 11/25/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,983,333 | 16,667 | - | - | - | - | 49,983,333 |
| FUND 2700 | T-BILL | 527121 | BONY | 96 | MERIL | 11/25/2019 | 12/3/2019 | 11/25/2019 | Purchased | 1.5 | 1.501 | 48,527,000 | 48,510,824 | 16,176 | - | - | - | - | 48,510,824 |
| FUND 2700 | T-BILL | 526735 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.59 | 1.593 | 50,000,000 | 49,911,667 | - | - | 88,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526736 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.59 | 1.593 | 50,000,000 | 49,911,667 | - | - | 88,333 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526737 | BONY | 96 | CANT | 10/17/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.59 | 1.593 | 19,346,000 | 19,311,822 | - | - | 34,178 | - | - | 19,346,000 |
| FUND 2700 | T-BILL | 526768 | BONY | 96 | BOFAB | 10/21/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.61 | 1.613 | 25,041,000 | 25,000,684 | - | - | 40,316 | - | - | 25,041,000 |
| FUND 2700 | T-BILL | 526790 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.656 | 1.658 | 50,000,000 | 49,921,824 | - | - | 78,176 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526791 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.656 | 1.658 | 50,000,000 | 49,921,824 | - | - | 78,176 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526792 | BONY | 96 | CANT | 10/23/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.656 | 1.658 | 13,059,000 | 13,038,582 | - | - | 20,418 | - | - | 13,059,000 |
| FUND 2700 | T-BILL | 527127 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 50,000,000 | 49,984,736 | 15,264 | - | - | - | - | 49,984,736 |
| FUND 2700 | T-BILL | 527128 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 50,000,000 | 49,984,736 | 15,264 | - | - | - | - | 49,984,736 |
| FUND 2700 | T-BILL | 527129 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 50,000,000 | 49,984,736 | 15,264 | - | - | - | - | 49,984,736 |
| FUND 2700 | T-BILL | 527130 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 50,000,000 | 49,984,736 | 15,264 | - | - | - | - | 49,984,736 |
| FUND 2700 | T-BILL | 527131 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 50,000,000 | 49,984,736 | 15,264 | - | - | - | - | 49,984,736 |
| FUND 2700 | T-BILL | 527132 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.57 | 1.57 | 7,524,000 | 7,521,703 | 2,297 | - | - | - | - | 7,521,703 |
| FUND 2700 | T-BILL | 526646 | BONY | 96 | DAIWA | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 31,137,000 | 31,059,936 | - | - | 77,064 | - | - | 31,137,000 |
| FUND 2700 | T-BILL | 526976 | BONY | 96 | CANT | 11/12/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.5 | 1.501 | 28,000 | 27,976 | - | - | 25 | - | - | 28,000 |
| FUND 2700 | T-BILL | 527068 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.525 | 1.526 | 50,000,000 | 49,972,465 | - | - | 27,535 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527069 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.525 | 1.526 | 50,000,000 | 49,972,465 | - | - | 27,535 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527070 | BONY | 96 | DAIWA | 11/20/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.525 | 1.526 | 31,187,000 | 31,169,825 | - | - | 17,175 | - | - | 31,187,000 |
| FUND 2700 | T-BILL | 527120 | BONY | 96 | MERIL | 11/25/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.5 | 1.501 | 50,000,000 | 49,983,333 | - | - | 16,667 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527121 | BONY | 96 | MERIL | 11/25/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.5 | 1.501 | 48,527,000 | 48,510,824 | - | - | 16,176 | - | - | 48,527,000 |
| FUND 2700 | T-BILL | 527127 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 50,000,000 | 49,984,736 | - | - | 15,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527128 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 50,000,000 | 49,984,736 | - | - | 15,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527129 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 50,000,000 | 49,984,736 | - | - | 15,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527130 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 50,000,000 | 49,984,736 | - | - | 15,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527131 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 50,000,000 | 49,984,736 | - | - | 15,264 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527132 | BONY | 96 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.57 | 1.57 | 7,524,000 | 7,521,703 | - | - | 2,297 | - | - | 7,524,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 2700 | T-BILL | 527178 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527179 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527180 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527181 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527182 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527183 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527184 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527185 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527186 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527187 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 2700 | T-BILL | 527199 | BONY | 96 | DAIWA | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.5 | 1.501 | 7,751,000 | 7,746,479 | 4,521 | - | - | - | - | 7,746,479 |
| FUND 2700 | T-BILL | 527179 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/6/2019 | Partial Sale | 1.545 | 1.546 | 319,000 | 318,808 | 192 | - | 41 | - | 3 | 318,852 |
| FUND 2700 | T-BILL | 526991 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 50,000,000 | 49,945,111 | - | - | 54,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526992 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 50,000,000 | 49,945,111 | - | - | 54,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526993 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 50,000,000 | 49,945,111 | - | - | 54,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526994 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 50,000,000 | 49,945,111 | - | - | 54,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526995 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 50,000,000 | 49,945,111 | - | - | 54,889 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 526996 | BONY | 96 | DAIWA | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 39,196,000 | 39,152,972 | - | - | 43,029 | - | - | 39,196,000 |
| FUND 2700 | T-BILL | 527328 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 2700 | T-BILL | 527329 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 2700 | T-BILL | 527330 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 2700 | T-BILL | 527331 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 2700 | T-BILL | 527332 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 2700 | T-BILL | 527333 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 39,280,000 | 39,268,543 | 11,457 | - | - | - | - | 39,268,543 |
| FUND 2700 | COMM PAPER | 527418 | BONY | 96 | CANT | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.53 | 1.53 | 50,000,000 | 49,997,875 | 2,125 | - | - | - | - | 49,997,875 |
| FUND 2700 | COMM PAPER | 527419 | BONY | 96 | CANT | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.53 | 1.53 | 48,454,000 | 48,451,941 | 2,059 | - | - | - | - | 48,451,941 |
| FUND 2700 | T-BILL | 527178 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527180 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527181 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527182 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527183 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527184 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527185 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527186 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527187 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527199 | BONY | 96 | DAIWA | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.501 | 7,751,000 | 7,746,479 | - | - | 4,521 | - | - | 7,751,000 |
| FUND 2700 | T-BILL | 527293 | BONY | 96 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 49,681,000 | 49,651,150 | - | - | 29,850 | - | - | 49,681,000 |
| FUND 2700 | T-BILL | 527328 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527329 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527330 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527331 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527332 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527333 | BONY | 96 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 39,280,000 | 39,268,543 | - | - | 11,457 | - | - | 39,280,000 |
| FUND 2700 | COMM PAPER | 527418 | BONY | 96 | CANT | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 50,000,000 | 49,997,875 | - | - | 2,125 | - | - | 50,000,000 |
| FUND 2700 | COMM PAPER | 527419 | BONY | 96 | CANT | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 48,454,000 | 48,451,941 | - | - | 2,059 | - | - | 48,454,000 |
| FUND 2700 | T-BILL | 527422 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527423 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527424 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527425 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527426 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527427 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527428 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 2700 | T-BILL | 527429 | BONY | 96 | DAIWA | 12/17/2019 | 1/14/2020 | 12/17/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,940,889 | 59,111 | - | - | - | - | 49,940,889 |
| FUND 2700 | T-BILL | 527430 | BONY | 96 | DAIWA | 12/17/2019 | 1/14/2020 | 12/17/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,940,889 | 59,111 | - | - | - | - | 49,940,889 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-----------------------|-----------------------|-------------------|---------------------|-------------------|---------------|---------------|-----------------------|
| FUND 2700 | T-BILL | 527431 | BONY | 96 | DAIWA | 12/17/2019 | 1/14/2020 | 12/17/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,940,889 | 59,111 | - | - | - | - | 49,940,889 |
| FUND 2700 | T-BILL | 527432 | BONY | 96 | DAIWA | 12/17/2019 | 1/14/2020 | 12/17/2019 | Purchased | 1.52 | 1.522 | 50,000,000 | 49,940,889 | 59,111 | - | - | - | - | 49,940,889 |
| FUND 2700 | T-BILL | 527433 | BONY | 96 | DAIWA | 12/17/2019 | 1/14/2020 | 12/17/2019 | Purchased | 1.52 | 1.522 | 39,798,000 | 39,750,950 | 47,050 | - | - | - | - | 39,750,950 |
| FUND 2700 | T-BILL | 527422 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527423 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527424 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527425 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527426 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527427 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527428 | BONY | 96 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 2700 | T-BILL | 527573 | BONY | 96 | CANT | 12/23/2019 | 2/4/2020 | 12/23/2019 | Purchased | 1.515 | 1.518 | 48,938,000 | 48,849,443 | 88,557 | - | - | - | - | 48,849,443 |
| FUND 2700 | T-BILL | 527628 | BONY | 96 | DAIWA | 12/31/2019 | 2/18/2020 | 12/31/2019 | Purchased | 1.42 | 1.423 | 50,000,000 | 49,903,361 | 96,639 | - | - | - | - | 49,903,361 |
| FUND 2700 | T-BILL | 527629 | BONY | 96 | DAIWA | 12/31/2019 | 2/18/2020 | 12/31/2019 | Purchased | 1.42 | 1.423 | 45,527,000 | 45,439,006 | 87,994 | - | - | - | - | 45,439,006 |
| FUND 2700 Total | | | | | | | | | | | | 19,195,593,000 | 19,171,539,724 | 12,682,003 | - | 11,936,304 | - | 4,846 | 19,183,480,758 |
| FUND 2800 | T-NOTE-MID | 522990 | WELLB | 4902 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 6,019 | - | - | - | 6,019 | - | - |
| FUND 2800 | T-NOTE-MID | 522990 | WELLB | 4902 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 748,000 | 748,000 | - | - | 3,273 | - | - | 751,273 |
| FUND 2800 | T-BILL | 524909 | WELLB | 4902 | DAIWA | 5/15/2019 | 8/15/2019 | 5/15/2019 | Purchased | 2.343 | 2.357 | 756,000 | 751,474 | 4,526 | - | - | - | - | 751,474 |
| FUND 2800 | T-BILL | 524909 | WELLB | 4902 | DAIWA | 5/15/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.343 | 2.357 | 756,000 | 751,474 | - | - | 4,526 | - | - | 756,000 |
| FUND 2800 | T-NOTE-MID | 526004 | WELLB | 4902 | RBC | 8/15/2019 | 10/15/2019 | 8/15/2019 | Purchased | 1 | 1.799 | 754,000 | 755,512 | 1,512 | 2,513 | - | - | - | 755,512 |
| FUND 2800 | T-NOTE-MID | 526004 | WELLB | 4902 | - | 8/15/2019 | 10/15/2019 | 10/15/2019 | Amort/(Accr) | 1 | 1.799 | - | 1,001 | - | - | - | 1,001 | - | - |
| FUND 2800 | T-NOTE-MID | 526004 | WELLB | 4902 | RBC | 8/15/2019 | 10/15/2019 | 10/15/2019 | Matured | 1 | 1.799 | 754,000 | 756,513 | - | 2,513 | 1,257 | - | - | 757,770 |
| FUND 2800 | T-NOTE-MID | 526665 | WELLB | 4902 | BOFAB | 10/15/2019 | 1/15/2020 | 10/15/2019 | Purchased | 1.375 | 1.592 | 756,000 | 758,185 | 2,185 | 2,599 | - | - | - | 758,185 |
| FUND 2800 | T-NOTE-MID | 526665 | WELLB | 4902 | - | 10/15/2019 | 1/15/2020 | 11/7/2019 | Amort/(Accr) | 1.375 | 1.592 | - | 14 | - | - | - | 14 | - | - |
| FUND 2800 | T-NOTE-MID | 526665 | WELLB | 4902 | CANT | 10/15/2019 | 1/15/2020 | 11/7/2019 | Partial Sale | 1.375 | 1.592 | 100,000 | 100,303 | 303 | 344 | 86 | - | 2 | 100,391 |
| FUND 2800 Total | | | | | | | | | | | | 4,624,000 | 4,628,496 | 8,526 | 7,969 | 9,141 | 7,034 | 2 | 4,630,605 |
| FUND 2801 | T-BILL | 522954 | WELLB | 4901 | RBC | 11/8/2018 | 1/10/2019 | 1/10/2019 | Matured | 2.226 | 2.234 | 6,000 | 5,977 | - | - | 23 | - | - | 6,000 |
| FUND 2801 | T-BILL | 523572 | WELLB | 4901 | RBC | 1/10/2019 | 4/11/2019 | 1/10/2019 | Purchased | 2.395 | 2.409 | 6,000 | 5,964 | 36 | - | - | - | - | 5,964 |
| FUND 2801 | T-BILL | 523572 | WELLB | 4901 | RBC | 1/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.395 | 2.409 | 6,000 | 5,964 | - | - | 36 | - | - | 6,000 |
| FUND 2801 | T-BILL | 524578 | WELLB | 4901 | RBC | 4/11/2019 | 7/18/2019 | 4/11/2019 | Purchased | 2.34 | 2.355 | 6,000 | 5,962 | 38 | - | - | - | - | 5,962 |
| FUND 2801 | T-BILL | 524578 | WELLB | 4901 | RBC | 4/11/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.34 | 2.355 | 6,000 | 5,962 | - | - | 38 | - | - | 6,000 |
| FUND 2801 | T-BILL | 525678 | WELLB | 4901 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.074 | 2.081 | 6,000 | 5,981 | 19 | - | - | - | - | 5,981 |
| FUND 2801 | T-BILL | 525678 | WELLB | 4901 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.074 | 2.081 | 6,000 | 5,981 | - | - | 19 | - | - | 6,000 |
| FUND 2801 | T-BILL | 526293 | WELLB | 4901 | BOFAB | 9/10/2019 | 1/16/2020 | 9/10/2019 | Purchased | 1.825 | 1.837 | 6,000 | 5,961 | 39 | - | - | - | - | 5,961 |
| FUND 2801 Total | | | | | | | | | | | | 48,000 | 47,751 | 132 | - | 117 | - | - | 47,868 |
| FUND 2802 | T-BILL | 523563 | WELLB | 4905 | DAIWA | 1/10/2019 | 1/24/2019 | 1/10/2019 | Purchased | 2.36 | 2.362 | 586,000 | 585,462 | 538 | - | - | - | - | 585,462 |
| FUND 2802 | T-BILL | 523376 | WELLB | 4905 | DAIWA | 10/11/2018 | 1/24/2019 | 1/24/2019 | Matured | 2.225 | 2.24 | 8,473,000 | 8,418,014 | - | - | 54,986 | - | - | 8,473,000 |
| FUND 2802 | T-BILL | 523563 | WELLB | 4905 | DAIWA | 1/10/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.36 | 2.362 | 586,000 | 585,462 | - | - | 538 | - | - | 586,000 |
| FUND 2802 | T-BILL | 523725 | WELLB | 4905 | DAIWA | 1/24/2019 | 3/19/2019 | 1/24/2019 | Purchased | 2.335 | 2.343 | 9,091,000 | 9,059,159 | 31,841 | - | - | - | - | 9,059,159 |
| FUND 2802 | T-BILL | 523725 | WELLB | 4905 | DAIWA | 1/24/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.335 | 2.343 | 9,091,000 | 9,059,159 | - | - | 31,841 | - | - | 9,091,000 |
| FUND 2802 | T-NOTE-MID | 524357 | WELLB | 4905 | DAIWA | 3/19/2019 | 5/15/2019 | 3/19/2019 | Purchased | 0.875 | 2.372 | 9,085,000 | 9,090,937 | 5,937 | 27,230 | - | - | - | 9,090,937 |
| FUND 2802 | T-NOTE-MID | 524357 | WELLB | 4905 | - | 3/19/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.372 | - | 21,293 | - | - | - | 21,293 | - | - |
| FUND 2802 | T-NOTE-MID | 524357 | WELLB | 4905 | DAIWA | 3/19/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.372 | 9,085,000 | 9,112,230 | - | 27,230 | 12,517 | - | - | 9,124,747 |
| FUND 2802 | T-BILL | 524910 | WELLB | 4905 | DAIWA | 5/15/2019 | 8/15/2019 | 5/15/2019 | Purchased | 2.343 | 2.357 | 9,180,000 | 9,125,045 | 54,955 | - | - | - | - | 9,125,045 |
| FUND 2802 | T-BILL | 524910 | WELLB | 4905 | DAIWA | 5/15/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.343 | 2.357 | 9,180,000 | 9,125,045 | - | - | 54,955 | - | - | 9,180,000 |
| FUND 2802 | T-NOTE-MID | 526002 | WELLB | 4905 | RBC | 8/15/2019 | 10/15/2019 | 8/15/2019 | Purchased | 1 | 1.799 | 9,162,000 | 9,180,372 | 18,372 | 30,540 | - | - | - | 9,180,372 |
| FUND 2802 | T-NOTE-MID | 526002 | WELLB | 4905 | - | 8/15/2019 | 10/15/2019 | 10/15/2019 | Amort/(Accr) | 1 | 1.799 | - | 12,168 | - | - | - | 12,168 | - | - |
| FUND 2802 | T-NOTE-MID | 526002 | WELLB | 4905 | RBC | 8/15/2019 | 10/15/2019 | 10/15/2019 | Matured | 1 | 1.799 | 9,162,000 | 9,192,540 | - | 30,540 | 15,270 | - | - | 9,207,810 |
| FUND 2802 | T-NOTE-MID | 526666 | WELLB | 4905 | BOFAB | 10/15/2019 | 1/15/2020 | 10/15/2019 | Purchased | 1.375 | 1.592 | 9,181,000 | 9,207,539 | 26,539 | 31,560 | - | - | - | 9,207,539 |
| FUND 2802 Total | | | | | | | | | | | | 91,862,000 | 91,774,424 | 138,182 | 147,099 | 170,107 | 33,461 | - | 91,911,070 |
| FUND 2803 | SLGS_NOTE | 516559 | WELLB | 4903 | MTA | 9/23/2016 | 1/15/2019 | 1/15/2019 | Matured | 0.78 | 0.78 | 1,456,801 | 1,456,801 | - | - | 5,682 | - | - | 1,462,483 |
| FUND 2803 | FHLB NOTES | 523616 | WELLB | 4903 | RBC | 1/15/2019 | 1/18/2019 | 1/15/2019 | Purchased | 2.29 | 2.29 | 1,486,000 | 1,485,716 | 284 | - | - | - | - | 1,485,716 |
| FUND 2803 | FHLB NOTES | 523616 | WELLB | 4903 | RBC | 1/15/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.29 | 2.29 | 1,486,000 | 1,485,716 | - | - | 284 | - | - | 1,486,000 |
| FUND 2803 | SLGS_NOTE | 516560 | WELLB | 4903 | MTA | 9/23/2016 | 2/15/2019 | 2/15/2019 | Matured | 0.79 | 0.79 | 1,456,412 | 1,456,412 | - | - | 5,753 | - | - | 1,462,165 |
| FUND 2803 | T-BILL | 524023 | WELLB | 4903 | BOFAB | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.33 | 2.331 | 1,486,000 | 1,485,615 | 385 | - | - | - | - | 1,485,615 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------------|-------------------|--------------|---------------------|---------------|--------------|---------------|-------------------|
| FUND 2803 | T-BILL | 524023 | WELLB | 4903 | BOFAB | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.33 | 2.331 | 1,486,000 | 1,485,615 | - | - | 385 | - | - | 1,486,000 |
| FUND 2803 | SLGS_NOTE | 516561 | WELLB | 4903 | MTA | 9/23/2016 | 3/15/2019 | 3/15/2019 | Matured | 0.8 | 0.8 | 1,456,024 | 1,456,024 | - | - | 5,824 | - | - | 1,461,848 |
| FUND 2803 | T-BILL | 524344 | WELLB | 4903 | RBC | 3/15/2019 | 3/19/2019 | 3/15/2019 | Purchased | 2.357 | 2.358 | 1,487,000 | 1,486,610 | 390 | - | - | - | - | 1,486,610 |
| FUND 2803 | T-BILL | 524344 | WELLB | 4903 | RBC | 3/15/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.357 | 2.358 | 1,487,000 | 1,486,610 | - | - | 390 | - | - | 1,487,000 |
| FUND 2803 | T-NOTE-MID | 524355 | WELLB | 4903 | DAIWA | 3/19/2019 | 5/15/2019 | 3/19/2019 | Purchased | 0.875 | 2.374 | 2,000 | 2,001 | 1 | 6 | - | - | - | 2,001 |
| FUND 2803 | SLGS_NOTE | 516562 | WELLB | 4903 | MTA | 9/23/2016 | 4/15/2019 | 4/15/2019 | Matured | 0.81 | 0.81 | 1,455,635 | 1,455,635 | - | - | 5,895 | - | - | 1,461,530 |
| FUND 2803 | T-BILL | 524621 | WELLB | 4903 | RBC | 4/15/2019 | 4/18/2019 | 4/15/2019 | Purchased | 2.277 | 2.278 | 1,485,000 | 1,484,718 | 282 | - | - | - | - | 1,484,718 |
| FUND 2803 | T-BILL | 524621 | WELLB | 4903 | RBC | 4/15/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.277 | 2.278 | 1,485,000 | 1,484,718 | - | - | 282 | - | - | 1,485,000 |
| FUND 2803 | T-NOTE-MID | 523030 | WELLB | 4903 | - | 11/19/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.493 | - | 55 | - | - | - | 55 | - | - |
| FUND 2803 | T-NOTE-MID | 524355 | WELLB | 4903 | - | 3/19/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.374 | - | 5 | - | - | - | 5 | - | - |
| FUND 2803 | SLGS_NOTE | 516475 | WELLB | 4903 | - | 9/23/2016 | 5/15/2019 | 5/15/2019 | Matured | 0.82 | 0.82 | 1,455,248 | 1,455,248 | - | - | 5,967 | - | - | 1,461,215 |
| FUND 2803 | T-NOTE-MID | 523030 | WELLB | 4903 | DAIWA | 11/19/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.493 | 7,000 | 7,001 | - | 1 | 30 | - | - | 7,031 |
| FUND 2803 | T-NOTE-MID | 524355 | WELLB | 4903 | DAIWA | 3/19/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.374 | 2,000 | 2,006 | - | 6 | 3 | - | - | 2,009 |
| FUND 2803 | FHLB NOTES | 524911 | WELLB | 4903 | DAIWA | 5/15/2019 | 5/17/2019 | 5/15/2019 | Purchased | 2.28 | 2.28 | 1,494,000 | 1,493,811 | 189 | - | - | - | - | 1,493,811 |
| FUND 2803 | FHLB NOTES | 524911 | WELLB | 4903 | DAIWA | 5/15/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.28 | 2.28 | 1,494,000 | 1,493,811 | - | - | 189 | - | - | 1,494,000 |
| FUND 2803 | T-BILL | 524990 | WELLB | 4903 | RBC | 5/20/2019 | 8/15/2019 | 5/20/2019 | Purchased | 2.337 | 2.35 | 9,000 | 8,949 | 51 | - | - | - | - | 8,949 |
| FUND 2803 | SLGS_NOTE | 516563 | WELLB | 4903 | MTA | 9/23/2016 | 6/15/2019 | 6/15/2019 | Matured | 0.83 | 0.83 | 1,462,732 | 1,462,732 | - | - | 6,070 | - | - | 1,468,802 |
| FUND 2803 | COMM PAPER | 525351 | WELLB | 4903 | MERIL | 6/17/2019 | 6/19/2019 | 6/17/2019 | Purchased | 2.34 | 2.34 | 1,486,000 | 1,485,807 | 193 | - | - | - | - | 1,485,807 |
| FUND 2803 | COMM PAPER | 525351 | WELLB | 4903 | MERIL | 6/17/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.34 | 2.34 | 1,486,000 | 1,485,807 | - | - | 193 | - | - | 1,486,000 |
| FUND 2803 | SLGS_NOTE | 516564 | WELLB | 4903 | MTA | 9/23/2016 | 7/15/2019 | 7/15/2019 | Matured | 0.84 | 0.84 | 1,462,482 | 1,462,482 | - | - | 6,142 | - | - | 1,468,624 |
| FUND 2803 | COMM PAPER | 525641 | WELLB | 4903 | MERIL | 7/15/2019 | 7/19/2019 | 7/15/2019 | Purchased | 2.35 | 2.351 | 1,486,000 | 1,485,612 | 388 | - | - | - | - | 1,485,612 |
| FUND 2803 | COMM PAPER | 525641 | WELLB | 4903 | MERIL | 7/15/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.351 | 1,486,000 | 1,485,612 | - | - | 388 | - | - | 1,486,000 |
| FUND 2803 | SLGS_NOTE | 516565 | WELLB | 4903 | MTA | 9/23/2016 | 8/15/2019 | 8/15/2019 | Matured | 0.85 | 0.85 | 1,462,164 | 1,462,164 | - | - | 6,214 | - | - | 1,468,378 |
| FUND 2803 | T-BILL | 524990 | WELLB | 4903 | RBC | 5/20/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.337 | 2.35 | 9,000 | 8,949 | - | - | 51 | - | - | 9,000 |
| FUND 2803 | COMM PAPER | 525987 | WELLB | 4903 | RBC | 8/15/2019 | 8/19/2019 | 8/15/2019 | Purchased | 2.09 | 2.09 | 1,495,000 | 1,494,653 | 347 | - | - | - | - | 1,494,653 |
| FUND 2803 | COMM PAPER | 525987 | WELLB | 4903 | RBC | 8/15/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 1,495,000 | 1,494,653 | - | - | 347 | - | - | 1,495,000 |
| FUND 2803 | T-NOTE-MID | 526031 | WELLB | 4903 | DAIWA | 8/19/2019 | 11/15/2019 | 8/19/2019 | Purchased | 1 | 1.869 | 10,000 | 10,005 | 5 | 26 | - | - | - | 10,005 |
| FUND 2803 | SLGS_NOTE | 516566 | WELLB | 4903 | MTA | 9/23/2016 | 9/15/2019 | 9/15/2019 | Matured | 0.86 | 0.86 | 1,461,848 | 1,461,848 | - | - | 6,286 | - | - | 1,468,134 |
| FUND 2803 | T-BILL | 526350 | WELLB | 4903 | BOFAB | 9/16/2019 | 9/19/2019 | 9/16/2019 | Purchased | 1.89 | 1.89 | 1,485,000 | 1,484,766 | 234 | - | - | - | - | 1,484,766 |
| FUND 2803 | T-BILL | 526350 | WELLB | 4903 | BOFAB | 9/16/2019 | 9/19/2019 | 9/19/2019 | Matured | 1.89 | 1.89 | 1,485,000 | 1,484,766 | - | - | 234 | - | - | 1,485,000 |
| FUND 2803 | SLGS_NOTE | 516572 | WELLB | 4903 | MTA | 9/23/2016 | 10/15/2019 | 10/15/2019 | Matured | 0.88 | 0.88 | 1,461,531 | 1,461,531 | - | - | 6,431 | - | - | 1,467,962 |
| FUND 2803 | FHLB NOTES | 526668 | WELLB | 4903 | BOFAB | 10/15/2019 | 10/18/2019 | 10/15/2019 | Purchased | 1.66 | 1.66 | 1,486,000 | 1,485,794 | 206 | - | - | - | - | 1,485,794 |
| FUND 2803 | FHLB NOTES | 526668 | WELLB | 4903 | BOFAB | 10/15/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.66 | 1.66 | 1,486,000 | 1,485,794 | - | - | 206 | - | - | 1,486,000 |
| FUND 2803 | T-NOTE-MID | 526031 | WELLB | 4903 | - | 8/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.869 | - | 21 | - | - | - | 21 | - | - |
| FUND 2803 | SLGS_NOTE | 516474 | WELLB | 4903 | MTA | 9/23/2016 | 11/15/2019 | 11/15/2019 | Matured | 0.89 | 0.89 | 1,461,215 | 1,461,215 | - | - | 6,502 | - | - | 1,467,717 |
| FUND 2803 | T-NOTE-MID | 526031 | WELLB | 4903 | DAIWA | 8/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.869 | 10,000 | 10,026 | - | 26 | 24 | - | - | 10,050 |
| FUND 2803 | T-BILL | 527031 | WELLB | 4903 | CANT | 11/15/2019 | 11/19/2019 | 11/15/2019 | Purchased | 1.44 | 1.44 | 1,496,000 | 1,495,761 | 239 | - | - | - | - | 1,495,761 |
| FUND 2803 | T-BILL | 527031 | WELLB | 4903 | CANT | 11/15/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.44 | 1.44 | 1,496,000 | 1,495,761 | - | - | 239 | - | - | 1,496,000 |
| FUND 2803 | T-NOTE-MID | 527071 | WELLB | 4903 | DAIWA | 11/20/2019 | 2/15/2020 | 11/20/2019 | Purchased | 1.375 | 1.555 | 11,000 | 11,035 | 35 | 40 | - | - | - | 11,035 |
| FUND 2803 | SLGS_NOTE | 516573 | WELLB | 4903 | MTA | 9/23/2016 | 12/15/2019 | 12/15/2019 | Matured | 0.9 | 0.9 | 1,468,802 | 1,468,802 | - | - | 6,610 | - | - | 1,475,412 |
| FUND 2803 | T-BILL | 527409 | WELLB | 4903 | CANT | 12/16/2019 | 12/19/2019 | 12/16/2019 | Purchased | 1.365 | 1.365 | 1,485,000 | 1,484,831 | 169 | - | - | - | - | 1,484,831 |
| FUND 2803 | T-BILL | 527409 | WELLB | 4903 | CANT | 12/16/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.365 | 1.365 | 1,485,000 | 1,484,831 | - | - | 169 | - | - | 1,485,000 |
| FUND 2803 Total | | | | | | | | | | | | 53,294,894 | 53,288,337 | 3,398 | 105 | 76,788 | 80 | - | 53,365,045 |
| FUND 2809 | T-NOTE-MID | 523676 | WELLB | 4909 | BOFAB | 1/18/2019 | 5/15/2019 | 1/18/2019 | Purchased | 0.875 | 2.472 | 4,422,000 | 4,406,212 | 15,788 | 6,841 | - | - | - | 4,406,212 |
| FUND 2809 | T-NOTE-MID | 524044 | WELLB | 4909 | DAIWA | 2/19/2019 | 5/15/2019 | 2/19/2019 | Purchased | 0.875 | 2.366 | 4,411,000 | 4,405,900 | 5,100 | 10,235 | - | - | - | 4,405,900 |
| FUND 2809 | T-NOTE-MID | 524356 | WELLB | 4909 | DAIWA | 3/19/2019 | 5/15/2019 | 3/19/2019 | Purchased | 0.875 | 2.372 | 4,403,000 | 4,405,877 | 2,877 | 13,197 | - | - | - | 4,405,877 |
| FUND 2809 | T-NOTE-MID | 524669 | WELLB | 4909 | RBC | 4/18/2019 | 5/15/2019 | 4/18/2019 | Purchased | 0.875 | 2.136 | 4,393,000 | 4,405,234 | 12,234 | 16,352 | - | - | - | 4,405,234 |
| FUND 2809 | T-NOTE-MID | 522989 | WELLB | 4909 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 3,291 | - | - | - | 3,291 | - | - |
| FUND 2809 | T-NOTE-MID | 523031 | WELLB | 4909 | - | 11/19/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.492 | - | 34,688 | - | - | - | 34,688 | - | - |
| FUND 2809 | T-NOTE-MID | 523362 | WELLB | 4909 | - | 12/19/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.469 | - | 28,386 | - | - | - | 28,386 | - | - |
| FUND 2809 | T-NOTE-MID | 523676 | WELLB | 4909 | - | 1/18/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.472 | - | 22,628 | - | - | - | 22,628 | - | - |
| FUND 2809 | T-NOTE-MID | 524044 | WELLB | 4909 | - | 2/19/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.366 | - | 15,335 | - | - | - | 15,335 | - | - |
| FUND 2809 | T-NOTE-MID | 524356 | WELLB | 4909 | - | 3/19/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.372 | - | 10,320 | - | - | - | 10,320 | - | - |
| FUND 2809 | T-NOTE-MID | 524669 | WELLB | 4909 | - | 4/18/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.136 | - | 4,118 | - | - | - | 4,118 | - | - |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-------------------|--------------------|----------------|---------------------|----------------|----------------|---------------|--------------------|
| FUND 2809 | T-NOTE-MID | 522989 | WELLB | 4909 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 409,000 | 409,000 | - | - | 1,789 | - | - | 410,789 |
| FUND 2809 | T-NOTE-MID | 523031 | WELLB | 4909 | DAIWA | 11/19/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.492 | 4,440,000 | 4,440,429 | - | 429 | 18,996 | - | - | 4,459,425 |
| FUND 2809 | T-NOTE-MID | 523362 | WELLB | 4909 | DAIWA | 12/19/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.469 | 4,431,000 | 4,434,642 | - | 3,642 | 15,744 | - | - | 4,450,386 |
| FUND 2809 | T-NOTE-MID | 523676 | WELLB | 4909 | BOFAB | 1/18/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.472 | 4,422,000 | 4,428,841 | - | 6,841 | 12,506 | - | - | 4,441,346 |
| FUND 2809 | T-NOTE-MID | 524044 | WELLB | 4909 | DAIWA | 2/19/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.366 | 4,411,000 | 4,421,235 | - | 10,235 | 9,063 | - | - | 4,430,298 |
| FUND 2809 | T-NOTE-MID | 524356 | WELLB | 4909 | DAIWA | 3/19/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.372 | 4,403,000 | 4,416,197 | - | 13,197 | 6,066 | - | - | 4,422,263 |
| FUND 2809 | T-NOTE-MID | 524669 | WELLB | 4909 | RBC | 4/18/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.136 | 4,393,000 | 4,409,352 | - | 16,352 | 2,867 | - | - | 4,412,219 |
| FUND 2809 | FHLB NOTES | 524912 | WELLB | 4909 | DAIWA | 5/15/2019 | 6/17/2019 | 5/15/2019 | Purchased | 2.35 | 2.355 | 593,000 | 591,723 | 1,277 | - | - | - | - | 591,723 |
| FUND 2809 | T-NOTE-MID | 524976 | WELLB | 4909 | MERIL | 5/17/2019 | 11/15/2019 | 5/17/2019 | Purchased | 3.375 | 2.416 | 4,384,000 | 4,405,354 | 21,354 | 804 | - | - | - | 4,405,354 |
| FUND 2809 | FHLB NOTES | 524912 | WELLB | 4909 | DAIWA | 5/15/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.35 | 2.355 | 593,000 | 591,723 | - | - | 1,277 | - | - | 593,000 |
| FUND 2809 | T-NOTE-MID | 525352 | WELLB | 4909 | RBC | 6/17/2019 | 7/15/2019 | 6/17/2019 | Purchased | 0.75 | 1.966 | 592,000 | 593,322 | 1,322 | 1,877 | - | - | - | 593,322 |
| FUND 2809 | T-NOTE-MID | 525395 | WELLB | 4909 | BOFAB | 6/19/2019 | 11/15/2019 | 6/19/2019 | Purchased | 3.375 | 2.154 | 4,371,000 | 4,406,373 | 35,373 | 14,031 | - | - | - | 4,406,373 |
| FUND 2809 | T-NOTE-MID | 525352 | WELLB | 4909 | - | 6/17/2019 | 7/15/2019 | 7/15/2019 | Amort/(Accr) | 0.75 | 1.966 | - | 555 | - | - | - | 555 | - | - |
| FUND 2809 | T-NOTE-MID | 525352 | WELLB | 4909 | RBC | 6/17/2019 | 7/15/2019 | 7/15/2019 | Matured | 0.75 | 1.966 | 592,000 | 593,877 | - | 1,877 | 343 | - | - | 594,220 |
| FUND 2809 | T-NOTE-MID | 525640 | WELLB | 4909 | RBC | 7/15/2019 | 11/15/2019 | 7/15/2019 | Purchased | 3.375 | 2.143 | 27,000 | 27,261 | 261 | 151 | - | - | - | 27,261 |
| FUND 2809 | T-NOTE-MID | 525701 | WELLB | 4909 | MERIL | 7/19/2019 | 11/15/2019 | 7/19/2019 | Purchased | 1 | 2.07 | 4,414,000 | 4,406,623 | 7,377 | 7,796 | - | - | - | 4,406,623 |
| FUND 2809 | T-NOTE-MID | 526029 | WELLB | 4909 | DAIWA | 8/19/2019 | 11/15/2019 | 8/19/2019 | Purchased | 1 | 1.869 | 4,403,000 | 4,405,371 | 2,371 | 11,486 | - | - | - | 4,405,371 |
| FUND 2809 | T-NOTE-MID | 526409 | WELLB | 4909 | BOFAB | 9/19/2019 | 11/15/2019 | 9/19/2019 | Purchased | 1 | 1.961 | 3,676,000 | 3,683,230 | 7,230 | 12,686 | - | - | - | 3,683,230 |
| FUND 2809 | T-NOTE-MID | 526739 | WELLB | 4909 | BOFAB | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 1 | 1.358 | 1,479,000 | 1,484,865 | 5,865 | 6,270 | - | - | - | 1,484,865 |
| FUND 2809 | T-NOTE-MID | 524976 | WELLB | 4909 | - | 5/17/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.416 | - | 20,550 | - | - | - | 20,550 | - | - |
| FUND 2809 | T-NOTE-MID | 525395 | WELLB | 4909 | - | 6/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.154 | - | 21,343 | - | - | - | 21,343 | - | - |
| FUND 2809 | T-NOTE-MID | 525640 | WELLB | 4909 | - | 7/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.143 | - | 110 | - | - | - | 110 | - | - |
| FUND 2809 | T-NOTE-MID | 525701 | WELLB | 4909 | - | 7/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.07 | - | 15,173 | - | - | - | 15,173 | - | - |
| FUND 2809 | T-NOTE-MID | 526029 | WELLB | 4909 | - | 8/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.869 | - | 9,116 | - | - | - | 9,116 | - | - |
| FUND 2809 | T-NOTE-MID | 526409 | WELLB | 4909 | - | 9/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.961 | - | 5,457 | - | - | - | 5,457 | - | - |
| FUND 2809 | T-NOTE-MID | 526739 | WELLB | 4909 | - | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.358 | - | 404 | - | - | - | 404 | - | - |
| FUND 2809 | T-NOTE-MID | 524976 | WELLB | 4909 | MERIL | 5/17/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.416 | 4,384,000 | 4,384,804 | - | 804 | 73,176 | - | - | 4,457,980 |
| FUND 2809 | T-NOTE-MID | 525395 | WELLB | 4909 | BOFAB | 6/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.154 | 4,371,000 | 4,385,031 | - | 14,031 | 59,730 | - | - | 4,444,761 |
| FUND 2809 | T-NOTE-MID | 525640 | WELLB | 4909 | RBC | 7/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.143 | 27,000 | 27,151 | - | 151 | 305 | - | - | 27,456 |
| FUND 2809 | T-NOTE-MID | 525701 | WELLB | 4909 | MERIL | 7/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.07 | 4,414,000 | 4,421,796 | - | 7,796 | 14,274 | - | - | 4,436,070 |
| FUND 2809 | T-NOTE-MID | 526029 | WELLB | 4909 | DAIWA | 8/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.869 | 4,403,000 | 4,414,486 | - | 11,486 | 10,529 | - | - | 4,425,015 |
| FUND 2809 | T-NOTE-MID | 526409 | WELLB | 4909 | BOFAB | 9/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.961 | 3,676,000 | 3,688,686 | - | 12,686 | 5,694 | - | - | 3,694,380 |
| FUND 2809 | T-NOTE-MID | 526739 | WELLB | 4909 | BOFAB | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.358 | 1,479,000 | 1,485,270 | - | 6,270 | 1,125 | - | - | 1,486,395 |
| FUND 2809 | T-NOTE-MID | 527032 | WELLB | 4909 | CANT | 11/15/2019 | 2/15/2020 | 11/15/2019 | Purchased | 1.375 | 1.561 | 871,000 | 873,586 | 2,586 | 2,994 | - | - | - | 873,586 |
| FUND 2809 | T-NOTE-MID | 527057 | WELLB | 4909 | DAIWA | 11/19/2019 | 2/15/2020 | 11/19/2019 | Purchased | 1.375 | 1.569 | 2,981,000 | 2,990,295 | 9,295 | 10,693 | - | - | - | 2,990,295 |
| FUND 2809 | T-NOTE-MID | 527488 | WELLB | 4909 | DAIWA | 12/19/2019 | 2/15/2020 | 12/19/2019 | Purchased | 3.625 | 1.671 | 3,577,000 | 3,632,295 | 55,295 | 44,397 | - | - | - | 3,632,295 |
| FUND 2809 Total | | | | | | | | | | | | 99,845,000 | 100,267,514 | 185,604 | 265,606 | 233,484 | 191,473 | - | 100,309,525 |
| FUND 2810 | T-NOTE-MID | 524648 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 4/16/2019 | Purchased | 0.875 | 2.196 | 50,000,000 | 50,130,967 | 130,967 | 183,702 | - | - | - | 50,130,967 |
| FUND 2810 | T-NOTE-MID | 524649 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 4/16/2019 | Purchased | 0.875 | 2.196 | 50,000,000 | 50,130,967 | 130,967 | 183,702 | - | - | - | 50,130,967 |
| FUND 2810 | T-NOTE-MID | 524650 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 4/16/2019 | Purchased | 0.875 | 2.196 | 1,090,000 | 1,092,855 | 2,855 | 4,005 | - | - | - | 1,092,855 |
| FUND 2810 | T-NOTE-MID | 524670 | WELLB | 4910 | DAIWA | 4/18/2019 | 5/15/2019 | 4/18/2019 | Purchased | 0.875 | 2.03 | 5,761,000 | 5,777,494 | 16,494 | 21,445 | - | - | - | 5,777,494 |
| FUND 2810 | T-NOTE-MID | 524648 | WELLB | 4910 | - | 4/16/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.196 | - | 52,734 | - | - | - | 52,734 | - | - |
| FUND 2810 | T-NOTE-MID | 524649 | WELLB | 4910 | - | 4/16/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.196 | - | 52,734 | - | - | - | 52,734 | - | - |
| FUND 2810 | T-NOTE-MID | 524650 | WELLB | 4910 | - | 4/16/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.196 | - | 1,150 | - | - | - | 1,150 | - | - |
| FUND 2810 | T-NOTE-MID | 524670 | WELLB | 4910 | - | 4/18/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.03 | - | 4,951 | - | - | - | 4,951 | - | - |
| FUND 2810 | T-NOTE-MID | 524648 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.196 | 50,000,000 | 50,183,702 | - | 183,702 | 35,048 | - | - | 50,218,750 |
| FUND 2810 | T-NOTE-MID | 524649 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.196 | 50,000,000 | 50,183,702 | - | 183,702 | 35,048 | - | - | 50,218,750 |
| FUND 2810 | T-NOTE-MID | 524650 | WELLB | 4910 | DAIWA | 4/16/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.196 | 1,090,000 | 1,094,005 | - | 4,005 | 764 | - | - | 1,094,769 |
| FUND 2810 | T-NOTE-MID | 524670 | WELLB | 4910 | DAIWA | 4/18/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.03 | 5,761,000 | 5,782,445 | - | 21,445 | 3,760 | - | - | 5,786,204 |
| FUND 2810 | FHLB NOTES | 524913 | WELLB | 4910 | DAIWA | 5/15/2019 | 6/17/2019 | 5/15/2019 | Purchased | 2.35 | 2.355 | 186,000 | 185,599 | 401 | - | - | - | - | 185,599 |
| FUND 2810 | T-NOTE-MID | 524989 | WELLB | 4910 | RBC | 5/17/2019 | 6/15/2019 | 5/17/2019 | Purchased | 0.875 | 2.104 | 4,426,000 | 4,437,956 | 11,956 | 16,278 | - | - | - | 4,437,956 |
| FUND 2810 | T-NOTE-MID | 525067 | WELLB | 4910 | DAIWA | 5/23/2019 | 6/15/2019 | 5/23/2019 | Purchased | 0.875 | 2.115 | 50,000,000 | 50,152,043 | 152,043 | 191,106 | - | - | - | 50,152,043 |
| FUND 2810 | T-NOTE-MID | 525068 | WELLB | 4910 | DAIWA | 5/23/2019 | 6/15/2019 | 5/23/2019 | Purchased | 0.875 | 2.115 | 11,248,000 | 11,282,204 | 34,204 | 42,991 | - | - | - | 11,282,204 |
| FUND 2810 | T-NOTE-MID | 524989 | WELLB | 4910 | - | 5/17/2019 | 6/15/2019 | 6/15/2019 | Amort/(Accr) | 0.875 | 2.104 | - | 4,322 | - | - | - | 4,322 | - | - |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|--------------------|--------------------|----------------|---------------------|----------------|----------------|---------------|--------------------|
| FUND 2810 | T-NOTE-MID | 525067 | WELLB | 4910 - | | 5/23/2019 | 6/15/2019 | 6/15/2019 | Amort/(Accr) | 0.875 | 2.115 | - | 39,063 | - | - | - | 39,063 | - | - |
| FUND 2810 | T-NOTE-MID | 525068 | WELLB | 4910 - | | 5/23/2019 | 6/15/2019 | 6/15/2019 | Amort/(Accr) | 0.875 | 2.115 | - | 8,788 | - | - | - | 8,788 | - | - |
| FUND 2810 | T-NOTE-MID | 524989 | WELLB | 4910 RBC | | 5/17/2019 | 6/15/2019 | 6/15/2019 | Matured | 0.875 | 2.104 | 4,426,000 | 4,442,278 | - | 16,278 | 3,085 | - | - | 4,445,364 |
| FUND 2810 | T-NOTE-MID | 525067 | WELLB | 4910 DAIWA | | 5/23/2019 | 6/15/2019 | 6/15/2019 | Matured | 0.875 | 2.115 | 50,000,000 | 50,191,106 | - | 191,106 | 27,644 | - | - | 50,218,750 |
| FUND 2810 | T-NOTE-MID | 525068 | WELLB | 4910 DAIWA | | 5/23/2019 | 6/15/2019 | 6/15/2019 | Matured | 0.875 | 2.115 | 11,248,000 | 11,290,991 | - | 42,991 | 6,219 | - | - | 11,297,210 |
| FUND 2810 | FHLB NOTES | 524913 | WELLB | 4910 DAIWA | | 5/15/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.35 | 2.355 | 186,000 | 185,599 | - | - | 401 | - | - | 186,000 |
| FUND 2810 | T-NOTE-MID | 525353 | WELLB | 4910 RBC | | 6/17/2019 | 7/15/2019 | 6/17/2019 | Purchased | 0.75 | 1.966 | 50,000,000 | 50,111,619 | 111,619 | 158,494 | - | - | - | 50,111,619 |
| FUND 2810 | T-NOTE-MID | 525354 | WELLB | 4910 RBC | | 6/17/2019 | 7/15/2019 | 6/17/2019 | Purchased | 0.75 | 1.966 | 16,000,000 | 16,035,718 | 35,718 | 50,718 | - | - | - | 16,035,718 |
| FUND 2810 | T-NOTE-MID | 525396 | WELLB | 4910 BOFAB | | 6/19/2019 | 7/15/2019 | 6/19/2019 | Purchased | 0.75 | 2.06 | 2,405,000 | 2,410,469 | 5,469 | 7,723 | - | - | - | 2,410,469 |
| FUND 2810 | T-NOTE-MID | 525353 | WELLB | 4910 - | | 6/17/2019 | 7/15/2019 | 7/15/2019 | Amort/(Accr) | 0.75 | 1.966 | - | 46,875 | - | - | - | 46,875 | - | - |
| FUND 2810 | T-NOTE-MID | 525354 | WELLB | 4910 - | | 6/17/2019 | 7/15/2019 | 7/15/2019 | Amort/(Accr) | 0.75 | 1.966 | - | 15,000 | - | - | - | 15,000 | - | - |
| FUND 2810 | T-NOTE-MID | 525396 | WELLB | 4910 - | | 6/19/2019 | 7/15/2019 | 7/15/2019 | Amort/(Accr) | 0.75 | 2.06 | - | 2,255 | - | - | - | 2,255 | - | - |
| FUND 2810 | T-NOTE-MID | 525353 | WELLB | 4910 RBC | | 6/17/2019 | 7/15/2019 | 7/15/2019 | Matured | 0.75 | 1.966 | 50,000,000 | 50,158,494 | - | 158,494 | 29,006 | - | - | 50,187,500 |
| FUND 2810 | T-NOTE-MID | 525354 | WELLB | 4910 RBC | | 6/17/2019 | 7/15/2019 | 7/15/2019 | Matured | 0.75 | 1.966 | 16,000,000 | 16,050,718 | - | 50,718 | 9,282 | - | - | 16,060,000 |
| FUND 2810 | T-NOTE-MID | 525396 | WELLB | 4910 BOFAB | | 6/19/2019 | 7/15/2019 | 7/15/2019 | Matured | 0.75 | 2.06 | 2,405,000 | 2,412,723 | - | 7,723 | 1,296 | - | - | 2,414,019 |
| FUND 2810 | T-NOTE-MID | 525700 | WELLB | 4910 DAIWA | | 7/19/2019 | 8/15/2019 | 7/19/2019 | Purchased | 0.75 | 2.011 | 2,757,000 | 2,763,212 | 6,212 | 8,797 | - | - | - | 2,763,212 |
| FUND 2810 | T-NOTE-MID | 525700 | WELLB | 4910 - | | 7/19/2019 | 8/15/2019 | 8/15/2019 | Amort/(Accr) | 0.75 | 2.011 | - | 2,585 | - | - | - | 2,585 | - | - |
| FUND 2810 | T-NOTE-MID | 525700 | WELLB | 4910 DAIWA | | 7/19/2019 | 8/15/2019 | 8/15/2019 | Matured | 0.75 | 2.011 | 2,757,000 | 2,765,797 | - | 8,797 | 1,542 | - | - | 2,767,339 |
| FUND 2810 | T-NOTE-MID | 526003 | WELLB | 4910 RBC | | 8/15/2019 | 10/15/2019 | 8/15/2019 | Purchased | 1 | 1.799 | 2,762,000 | 2,767,538 | 5,538 | 9,207 | - | - | - | 2,767,538 |
| FUND 2810 | T-NOTE-MID | 526030 | WELLB | 4910 DAIWA | | 8/19/2019 | 10/15/2019 | 8/19/2019 | Purchased | 1 | 1.83 | 1,028,000 | 1,030,214 | 2,214 | 3,539 | - | - | - | 1,030,214 |
| FUND 2810 | T-NOTE-MID | 526395 | WELLB | 4910 BOFAB | | 9/19/2019 | 10/15/2019 | 9/19/2019 | Purchased | 1 | 1.659 | 2,911,000 | 2,922,123 | 11,123 | 12,487 | - | - | - | 2,922,123 |
| FUND 2810 | T-NOTE-MID | 526003 | WELLB | 4910 - | | 8/15/2019 | 10/15/2019 | 10/15/2019 | Amort/(Accr) | 1 | 1.799 | - | 3,668 | - | - | - | 3,668 | - | - |
| FUND 2810 | T-NOTE-MID | 526030 | WELLB | 4910 - | | 8/19/2019 | 10/15/2019 | 10/15/2019 | Amort/(Accr) | 1 | 1.83 | - | 1,325 | - | - | - | 1,325 | - | - |
| FUND 2810 | T-NOTE-MID | 526395 | WELLB | 4910 - | | 9/19/2019 | 10/15/2019 | 10/15/2019 | Amort/(Accr) | 1 | 1.659 | - | 1,365 | - | - | - | 1,365 | - | - |
| FUND 2810 | T-NOTE-MID | 526003 | WELLB | 4910 RBC | | 8/15/2019 | 10/15/2019 | 10/15/2019 | Matured | 1 | 1.799 | 2,762,000 | 2,771,207 | - | 9,207 | 4,603 | - | - | 2,775,810 |
| FUND 2810 | T-NOTE-MID | 526030 | WELLB | 4910 DAIWA | | 8/19/2019 | 10/15/2019 | 10/15/2019 | Matured | 1 | 1.83 | 1,028,000 | 1,031,539 | - | 3,539 | 1,601 | - | - | 1,033,140 |
| FUND 2810 | T-NOTE-MID | 526395 | WELLB | 4910 BOFAB | | 9/19/2019 | 10/15/2019 | 10/15/2019 | Matured | 1 | 1.659 | 2,911,000 | 2,923,487 | - | 12,487 | 2,068 | - | - | 2,925,555 |
| FUND 2810 | T-NOTE-MID | 526667 | WELLB | 4910 BOFAB | | 10/15/2019 | 11/15/2019 | 10/15/2019 | Purchased | 3.375 | 1.594 | 6,632,000 | 6,734,904 | 102,904 | 93,060 | - | - | - | 6,734,904 |
| FUND 2810 | T-NOTE-MID | 526738 | WELLB | 4910 BOFAB | | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 1 | 1.358 | 5,457,000 | 5,478,641 | 21,641 | 23,133 | - | - | - | 5,478,641 |
| FUND 2810 | T-NOTE-MID | 526997 | WELLB | 4910 CANT | | 11/14/2019 | 2/15/2020 | 11/14/2019 | Purchased | 1.375 | 1.59 | 17,162,000 | 17,210,968 | 48,968 | 58,353 | - | - | - | 17,210,968 |
| FUND 2810 | T-NOTE-MID | 526667 | WELLB | 4910 - | | 10/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.594 | - | 9,844 | - | - | - | 9,844 | - | - |
| FUND 2810 | T-NOTE-MID | 526738 | WELLB | 4910 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.358 | - | 1,492 | - | - | - | 1,492 | - | - |
| FUND 2810 | T-NOTE-MID | 526667 | WELLB | 4910 BOFAB | | 10/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.594 | 6,632,000 | 6,725,060 | - | 93,060 | 18,855 | - | - | 6,743,915 |
| FUND 2810 | T-NOTE-MID | 526738 | WELLB | 4910 BOFAB | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.358 | 5,457,000 | 5,480,133 | - | 23,133 | 4,152 | - | - | 5,484,285 |
| FUND 2810 | T-NOTE-MID | 527058 | WELLB | 4910 DAIWA | | 11/19/2019 | 2/15/2020 | 11/19/2019 | Purchased | 1.375 | 1.569 | 5,049,000 | 5,064,744 | 15,744 | 18,111 | - | - | - | 5,064,744 |
| FUND 2810 | T-NOTE-MID | 527489 | WELLB | 4910 DAIWA | | 12/19/2019 | 2/15/2020 | 12/19/2019 | Purchased | 3.625 | 1.671 | 939,000 | 953,516 | 14,516 | 11,655 | - | - | - | 953,516 |
| FUND 2810 Total | | | | | | | | | | | | 548,476,000 | 550,594,886 | 861,552 | 2,108,890 | 184,374 | 248,150 | - | 550,531,110 |
| FUND 3502 | T-BILL | 523088 | BONY | 88 RBC | | 11/23/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.229 | 2.235 | 7,000 | 6,983 | - | - | 17 | - | - | 7,000 |
| FUND 3502 | T-BILL | 523496 | BONY | 88 BOFAB | | 1/2/2019 | 2/5/2019 | 1/2/2019 | Purchased | 2.329 | 2.335 | 7,000 | 6,985 | 15 | - | - | - | - | 6,985 |
| FUND 3502 | T-BILL | 522941 | BONY | 88 RBC | | 11/8/2018 | 1/3/2019 | 1/3/2019 | Matured | 2.211 | 2.218 | 23,000 | 22,921 | - | - | 79 | - | - | 23,000 |
| FUND 3502 | T-BILL | 523512 | BONY | 88 RBC | | 1/3/2019 | 2/5/2019 | 1/3/2019 | Purchased | 2.33 | 2.335 | 23,000 | 22,951 | 49 | - | - | - | - | 22,951 |
| FUND 3502 | T-BILL | 523773 | BONY | 88 DAIWA | | 1/29/2019 | 2/5/2019 | 1/29/2019 | Purchased | 2.247 | 2.248 | 10,000 | 9,996 | 4 | - | - | - | - | 9,996 |
| FUND 3502 | T-BILL | 523496 | BONY | 88 BOFAB | | 1/2/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.329 | 2.335 | 7,000 | 6,985 | - | - | 15 | - | - | 7,000 |
| FUND 3502 | T-BILL | 523512 | BONY | 88 RBC | | 1/3/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.33 | 2.335 | 23,000 | 22,951 | - | - | 49 | - | - | 23,000 |
| FUND 3502 | T-BILL | 523773 | BONY | 88 DAIWA | | 1/29/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.247 | 2.248 | 10,000 | 9,996 | - | - | 4 | - | - | 10,000 |
| FUND 3502 | T-BILL | 523840 | BONY | 88 BOFAB | | 2/5/2019 | 3/14/2019 | 2/5/2019 | Purchased | 2.325 | 2.33 | 40,000 | 39,904 | 96 | - | - | - | - | 39,904 |
| FUND 3502 | T-BILL | 523840 | BONY | 88 BOFAB | | 2/5/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.325 | 2.33 | 40,000 | 39,904 | - | - | 96 | - | - | 40,000 |
| FUND 3502 | T-BILL | 524296 | BONY | 88 RBC | | 3/14/2019 | 6/13/2019 | 3/14/2019 | Purchased | 2.387 | 2.402 | 40,000 | 39,759 | 241 | - | - | - | - | 39,759 |
| FUND 3502 | T-BILL | 524296 | BONY | 88 RBC | | 3/14/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.387 | 2.402 | 40,000 | 39,759 | - | - | 241 | - | - | 40,000 |
| FUND 3502 | T-BILL | 525308 | BONY | 88 DAIWA | | 6/13/2019 | 9/12/2019 | 6/13/2019 | Purchased | 2.16 | 2.172 | 40,000 | 39,782 | 218 | - | - | - | - | 39,782 |
| FUND 3502 | T-BILL | 525308 | BONY | 88 DAIWA | | 6/13/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.16 | 2.172 | 40,000 | 39,782 | - | - | 218 | - | - | 40,000 |
| FUND 3502 | T-BILL | 526327 | BONY | 88 BOFAB | | 9/12/2019 | 1/2/2020 | 9/12/2019 | Purchased | 1.85 | 1.861 | 40,000 | 39,770 | 230 | - | - | - | - | 39,770 |
| FUND 3502 Total | | | | | | | | | | | | 390,000 | 388,425 | 854 | - | 721 | - | - | 389,146 |
| FUND 5000 | T-BILL | 523497 | BONY | 92 BOFAB | | 1/2/2019 | 2/5/2019 | 1/2/2019 | Purchased | 2.33 | 2.335 | 306,000 | 305,327 | 673 | - | - | - | - | 305,327 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 5000 | T-BILL | 523533 | BONY | 92 RBC | | 1/7/2019 | 2/5/2019 | 1/7/2019 | Purchased | 2.37 | 2.374 | 93,000 | 92,822 | 178 | - | - | - | - | 92,822 |
| FUND 5000 | T-BILL | 523591 | BONY | 92 RBC | | 1/10/2019 | 2/5/2019 | 1/10/2019 | Purchased | 2.348 | 2.351 | 5,841,000 | 5,831,097 | 9,903 | - | - | - | - | 5,831,097 |
| FUND 5000 | T-BILL | 523600 | BONY | 92 DAIWA | | 1/11/2019 | 2/5/2019 | 1/11/2019 | Purchased | 2.355 | 2.359 | 2,278,000 | 2,274,275 | 3,725 | - | - | - | - | 2,274,275 |
| FUND 5000 | T-BILL | 523641 | BONY | 92 BOFAB | | 1/15/2019 | 3/14/2019 | 1/15/2019 | Purchased | 2.355 | 2.364 | 1,824,000 | 1,817,079 | 6,921 | - | - | - | - | 1,817,079 |
| FUND 5000 | T-BILL | 523707 | BONY | 92 DAIWA | | 1/22/2019 | 2/12/2019 | 1/22/2019 | Purchased | 2.31 | 2.313 | 278,000 | 277,625 | 375 | - | - | - | - | 277,625 |
| FUND 5000 | T-BILL | 523736 | BONY | 92 DAIWA | | 1/24/2019 | 3/19/2019 | 1/24/2019 | Purchased | 2.325 | 2.333 | 304,000 | 302,940 | 1,060 | - | - | - | - | 302,940 |
| FUND 5000 | T-BILL | 523326 | BONY | 92 DAIWA | | 12/17/2018 | 1/29/2019 | 1/29/2019 | Matured | 2.32 | 2.326 | 749,000 | 746,924 | - | - | 2,076 | - | - | 749,000 |
| FUND 5000 | T-NOTE-EOM | 523775 | BONY | 92 DAIWA | | 1/29/2019 | 5/31/2019 | 1/29/2019 | Purchased | 1.25 | 2.437 | 751,000 | 749,584 | 1,416 | 1,547 | - | - | - | 749,584 |
| FUND 5000 | T-BILL | 523497 | BONY | 92 BOFAB | | 1/2/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.33 | 2.335 | 306,000 | 305,327 | - | - | 673 | - | - | 306,000 |
| FUND 5000 | T-BILL | 523533 | BONY | 92 RBC | | 1/7/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.37 | 2.374 | 93,000 | 92,822 | - | - | 178 | - | - | 93,000 |
| FUND 5000 | T-BILL | 523591 | BONY | 92 RBC | | 1/10/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.348 | 2.351 | 5,841,000 | 5,831,097 | - | - | 9,903 | - | - | 5,841,000 |
| FUND 5000 | T-BILL | 523600 | BONY | 92 DAIWA | | 1/11/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.355 | 2.359 | 2,278,000 | 2,274,275 | - | - | 3,725 | - | - | 2,278,000 |
| FUND 5000 | T-BILL | 523841 | BONY | 92 BOFAB | | 2/5/2019 | 3/14/2019 | 2/5/2019 | Purchased | 2.325 | 2.331 | 8,538,000 | 8,517,598 | 20,402 | - | - | - | - | 8,517,598 |
| FUND 5000 | T-BILL | 523916 | BONY | 92 RBC | | 2/7/2019 | 3/14/2019 | 2/7/2019 | Purchased | 2.325 | 2.33 | 98,000 | 97,778 | 222 | - | - | - | - | 97,778 |
| FUND 5000 | T-BILL | 523954 | BONY | 92 RBC | | 2/11/2019 | 3/19/2019 | 2/11/2019 | Purchased | 2.37 | 2.376 | 1,788,000 | 1,783,762 | 4,238 | - | - | - | - | 1,783,762 |
| FUND 5000 | T-BILL | 523707 | BONY | 92 DAIWA | | 1/22/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.31 | 2.313 | 278,000 | 277,625 | - | - | 375 | - | - | 278,000 |
| FUND 5000 | T-BILL | 523970 | BONY | 92 RBC | | 2/12/2019 | 3/19/2019 | 2/12/2019 | Purchased | 2.375 | 2.38 | 5,806,000 | 5,792,594 | 13,406 | - | - | - | - | 5,792,594 |
| FUND 5000 | T-BILL | 523991 | BONY | 92 RBC | | 2/13/2019 | 3/19/2019 | 2/13/2019 | Purchased | 2.385 | 2.39 | 824,000 | 822,144 | 1,856 | - | - | - | - | 822,144 |
| FUND 5000 | T-BILL | 524016 | BONY | 92 RBC | | 2/14/2019 | 3/19/2019 | 2/14/2019 | Purchased | 2.373 | 2.378 | 185,000 | 184,598 | 402 | - | - | - | - | 184,598 |
| FUND 5000 | T-BILL | 524033 | BONY | 92 BOFAB | | 2/15/2019 | 4/11/2019 | 2/15/2019 | Purchased | 2.365 | 2.374 | 1,861,000 | 1,854,276 | 6,724 | - | - | - | - | 1,854,276 |
| FUND 5000 | T-BILL | 524064 | BONY | 92 RBC | | 2/20/2019 | 8/8/2019 | 2/20/2019 | Purchased | 2.415 | 2.443 | 328,000 | 324,281 | 3,719 | - | - | - | - | 324,281 |
| FUND 5000 | T-BILL | 523916 | BONY | 92 RBC | | 2/7/2019 | 3/14/2019 | 2/21/2019 | Partial Sale | 2.325 | 2.33 | 34,000 | 33,923 | 77 | - | 31 | - | 1 | 33,953 |
| FUND 5000 | T-BILL | 524206 | BONY | 92 RBC | | 3/6/2019 | 4/11/2019 | 3/6/2019 | Purchased | 2.375 | 2.381 | 84,000 | 83,801 | 200 | - | - | - | - | 83,801 |
| FUND 5000 | T-BILL | 524243 | BONY | 92 RBC | | 3/8/2019 | 6/13/2019 | 3/8/2019 | Purchased | 2.385 | 2.4 | 1,335,000 | 1,326,421 | 8,579 | - | - | - | - | 1,326,421 |
| FUND 5000 | T-BILL | 524272 | BONY | 92 RBC | | 3/12/2019 | 6/13/2019 | 3/12/2019 | Purchased | 2.374 | 2.388 | 6,155,000 | 6,117,260 | 37,740 | - | - | - | - | 6,117,260 |
| FUND 5000 | T-BILL | 524285 | BONY | 92 RBC | | 3/13/2019 | 6/13/2019 | 3/13/2019 | Purchased | 2.393 | 2.408 | 516,000 | 512,844 | 3,156 | - | - | - | - | 512,844 |
| FUND 5000 | T-BILL | 523492 | BONY | 92 DAIWA | | 12/13/2018 | 3/14/2019 | 3/14/2019 | Matured | 2.375 | 2.389 | 15,239,000 | 15,147,513 | - | - | 91,487 | - | - | 15,239,000 |
| FUND 5000 | T-BILL | 523641 | BONY | 92 BOFAB | | 1/15/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.355 | 2.364 | 1,824,000 | 1,817,079 | - | - | 6,921 | - | - | 1,824,000 |
| FUND 5000 | T-BILL | 523841 | BONY | 92 BOFAB | | 2/5/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.325 | 2.331 | 8,538,000 | 8,517,598 | - | - | 20,402 | - | - | 8,538,000 |
| FUND 5000 | T-BILL | 524084 | BONY | 92 RBC | | 2/7/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.325 | 2.33 | 64,000 | 63,855 | - | - | 145 | - | - | 64,000 |
| FUND 5000 | T-BILL | 524298 | BONY | 92 RBC | | 3/14/2019 | 6/13/2019 | 3/14/2019 | Purchased | 2.388 | 2.402 | 25,821,000 | 25,665,168 | 155,832 | - | - | - | - | 25,665,168 |
| FUND 5000 | T-BILL | 523970 | BONY | 92 BOFAB | | 2/12/2019 | 3/19/2019 | 3/18/2019 | Partial Sale | 2.375 | 2.38 | 4,396,000 | 4,385,850 | 10,150 | - | 9,860 | - | 2 | 4,395,708 |
| FUND 5000 | T-BILL | 523736 | BONY | 92 DAIWA | | 1/24/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.325 | 2.333 | 304,000 | 302,940 | - | - | 1,060 | - | - | 304,000 |
| FUND 5000 | T-BILL | 523954 | BONY | 92 RBC | | 2/11/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.37 | 2.376 | 1,788,000 | 1,783,762 | - | - | 4,238 | - | - | 1,788,000 |
| FUND 5000 | T-BILL | 523991 | BONY | 92 RBC | | 2/13/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.385 | 2.39 | 824,000 | 822,144 | - | - | 1,856 | - | - | 824,000 |
| FUND 5000 | T-BILL | 524016 | BONY | 92 RBC | | 2/14/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.373 | 2.378 | 185,000 | 184,598 | - | - | 402 | - | - | 185,000 |
| FUND 5000 | T-BILL | 524322 | BONY | 92 RBC | | 2/12/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.375 | 2.38 | 1,410,000 | 1,406,744 | - | - | 3,256 | - | - | 1,410,000 |
| FUND 5000 | T-BILL | 524354 | BONY | 92 RBC | | 3/19/2019 | 6/13/2019 | 3/19/2019 | Purchased | 2.388 | 2.401 | 4,536,000 | 4,510,129 | 25,871 | - | - | - | - | 4,510,129 |
| FUND 5000 | T-BILL | 524033 | BONY | 92 RBC | | 2/15/2019 | 4/11/2019 | 3/20/2019 | Partial Sale | 2.365 | 2.374 | 1,251,000 | 1,246,480 | 4,520 | - | 2,712 | - | 47 | 1,249,145 |
| FUND 5000 | T-BILL | 524390 | BONY | 92 BOFAB | | 3/21/2019 | 6/13/2019 | 3/21/2019 | Purchased | 2.395 | 2.408 | 239,000 | 237,664 | 1,336 | - | - | - | - | 237,664 |
| FUND 5000 | T-BILL | 524406 | BONY | 92 DAIWA | | 3/22/2019 | 6/13/2019 | 3/22/2019 | Purchased | 2.385 | 2.398 | 50,000,000 | 49,725,063 | 274,938 | - | - | - | - | 49,725,063 |
| FUND 5000 | T-BILL | 524407 | BONY | 92 DAIWA | | 3/22/2019 | 6/13/2019 | 3/22/2019 | Purchased | 2.385 | 2.398 | 10,332,000 | 10,275,187 | 56,813 | - | - | - | - | 10,275,187 |
| FUND 5000 | T-BILL | 524443 | BONY | 92 BOFAB | | 3/27/2019 | 6/13/2019 | 3/27/2019 | Purchased | 2.38 | 2.392 | 253,000 | 251,695 | 1,305 | - | - | - | - | 251,695 |
| FUND 5000 | T-BILL | 524481 | BONY | 92 RBC | | 4/2/2019 | 6/13/2019 | 4/2/2019 | Purchased | 2.345 | 2.356 | 73,000 | 72,658 | 342 | - | - | - | - | 72,658 |
| FUND 5000 | T-BILL | 524556 | BONY | 92 DAIWA | | 4/9/2019 | 8/8/2019 | 4/9/2019 | Purchased | 2.37 | 2.389 | 1,460,000 | 1,448,370 | 11,630 | - | - | - | - | 1,448,370 |
| FUND 5000 | T-BILL | 524568 | BONY | 92 DAIWA | | 4/10/2019 | 8/8/2019 | 4/10/2019 | Purchased | 2.37 | 2.389 | 4,352,000 | 4,317,619 | 34,381 | - | - | - | - | 4,317,619 |
| FUND 5000 | T-BILL | 524206 | BONY | 92 RBC | | 3/6/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.375 | 2.381 | 84,000 | 83,801 | - | - | 200 | - | - | 84,000 |
| FUND 5000 | T-BILL | 524376 | BONY | 92 BOFAB | | 2/15/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.365 | 2.374 | 610,000 | 607,796 | - | - | 2,204 | - | - | 610,000 |
| FUND 5000 | T-BILL | 524602 | BONY | 92 DAIWA | | 4/11/2019 | 8/8/2019 | 4/11/2019 | Purchased | 2.365 | 2.384 | 3,215,000 | 3,189,866 | 25,134 | - | - | - | - | 3,189,866 |
| FUND 5000 | T-BILL | 524630 | BONY | 92 RBC | | 4/15/2019 | 8/8/2019 | 4/15/2019 | Purchased | 2.345 | 2.363 | 442,000 | 438,689 | 3,311 | - | - | - | - | 438,689 |
| FUND 5000 | T-BILL | 524727 | BONY | 92 DAIWA | | 4/23/2019 | 8/8/2019 | 4/23/2019 | Purchased | 2.375 | 2.392 | 258,000 | 256,179 | 1,821 | - | - | - | - | 256,179 |
| FUND 5000 | T-BILL | 524801 | BONY | 92 BOFAB | | 5/2/2019 | 8/8/2019 | 5/2/2019 | Purchased | 2.34 | 2.355 | 52,000 | 51,669 | 331 | - | - | - | - | 51,669 |
| FUND 5000 | T-BILL | 524866 | BONY | 92 DAIWA | | 5/9/2019 | 8/8/2019 | 5/9/2019 | Purchased | 2.37 | 2.384 | 1,638,000 | 1,628,187 | 9,813 | - | - | - | - | 1,628,187 |
| FUND 5000 | T-BILL | 524892 | BONY | 92 DAIWA | | 5/13/2019 | 8/8/2019 | 5/13/2019 | Purchased | 2.36 | 2.374 | 7,158,000 | 7,117,176 | 40,824 | - | - | - | - | 7,117,176 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 5000 | T-BILL | 524904 | BONY | 92 | WELLB | 5/14/2019 | 8/8/2019 | 5/14/2019 | Purchased | 2.345 | 2.358 | 635,000 | 631,443 | 3,557 | - | - | - | - | 631,443 |
| FUND 5000 | T-BILL | 524986 | BONY | 92 | RBC | 5/17/2019 | 8/8/2019 | 5/17/2019 | Purchased | 2.335 | 2.348 | 315,000 | 313,304 | 1,696 | - | - | - | - | 313,304 |
| FUND 5000 | T-BILL | 525155 | BONY | 92 | RBC | 5/30/2019 | 8/8/2019 | 5/30/2019 | Purchased | 2.275 | 2.285 | 317,000 | 315,598 | 1,402 | - | - | - | - | 315,598 |
| FUND 5000 | T-NOTE-EOM | 523775 | BONY | 92 | - | 1/29/2019 | 5/31/2019 | 5/31/2019 | Amort/(Accr) | 1.25 | 2.437 | - | 2,963 | - | - | - | 2,963 | - | - |
| FUND 5000 | T-NOTE-EOM | 523775 | BONY | 92 | DAIWA | 1/29/2019 | 5/31/2019 | 5/31/2019 | Matured | 1.25 | 2.437 | 751,000 | 752,547 | - | 1,547 | 3,146 | - | - | 755,694 |
| FUND 5000 | T-BILL | 525166 | BONY | 92 | DAIWA | 5/31/2019 | 8/8/2019 | 5/31/2019 | Purchased | 2.26 | 2.27 | 759,000 | 755,712 | 3,288 | - | - | - | - | 755,712 |
| FUND 5000 | T-BILL | 525286 | BONY | 92 | DAIWA | 6/11/2019 | 8/8/2019 | 6/11/2019 | Purchased | 2.21 | 2.218 | 4,624,000 | 4,607,536 | 16,464 | - | - | - | - | 4,607,536 |
| FUND 5000 | T-BILL | 524243 | BONY | 92 | RBC | 3/8/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.385 | 2.4 | 1,335,000 | 1,326,421 | - | - | 8,579 | - | - | 1,335,000 |
| FUND 5000 | T-BILL | 524272 | BONY | 92 | RBC | 3/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.374 | 2.388 | 6,155,000 | 6,117,260 | - | - | 37,740 | - | - | 6,155,000 |
| FUND 5000 | T-BILL | 524285 | BONY | 92 | RBC | 3/13/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.393 | 2.408 | 516,000 | 512,844 | - | - | 3,156 | - | - | 516,000 |
| FUND 5000 | T-BILL | 524298 | BONY | 92 | RBC | 3/14/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.388 | 2.402 | 25,821,000 | 25,665,168 | - | - | 155,832 | - | - | 25,821,000 |
| FUND 5000 | T-BILL | 524354 | BONY | 92 | RBC | 3/19/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.388 | 2.401 | 4,536,000 | 4,510,129 | - | - | 25,871 | - | - | 4,536,000 |
| FUND 5000 | T-BILL | 524390 | BONY | 92 | BOFAB | 3/21/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.395 | 2.408 | 239,000 | 237,664 | - | - | 1,336 | - | - | 239,000 |
| FUND 5000 | T-BILL | 524406 | BONY | 92 | DAIWA | 3/22/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.385 | 2.398 | 50,000,000 | 49,725,063 | - | - | 274,938 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 524407 | BONY | 92 | DAIWA | 3/22/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.385 | 2.398 | 10,332,000 | 10,275,187 | - | - | 56,813 | - | - | 10,332,000 |
| FUND 5000 | T-BILL | 524443 | BONY | 92 | BOFAB | 3/27/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.38 | 2.392 | 253,000 | 251,695 | - | - | 1,305 | - | - | 253,000 |
| FUND 5000 | T-BILL | 524481 | BONY | 92 | RBC | 4/2/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.345 | 2.356 | 73,000 | 72,658 | - | - | 342 | - | - | 73,000 |
| FUND 5000 | T-BILL | 525309 | BONY | 92 | DAIWA | 6/13/2019 | 7/23/2019 | 6/13/2019 | Purchased | 2.08 | 2.085 | 50,000,000 | 49,884,444 | 115,556 | - | - | - | - | 49,884,444 |
| FUND 5000 | T-BILL | 525310 | BONY | 92 | DAIWA | 6/13/2019 | 7/23/2019 | 6/13/2019 | Purchased | 2.08 | 2.085 | 49,490,000 | 49,375,623 | 114,377 | - | - | - | - | 49,375,623 |
| FUND 5000 | T-BILL | 525318 | BONY | 92 | RBC | 6/13/2019 | 6/20/2019 | 6/13/2019 | Purchased | 2.05 | 2.051 | 4,160,000 | 4,158,342 | 1,658 | - | - | - | - | 4,158,342 |
| FUND 5000 | T-BILL | 525334 | BONY | 92 | DAIWA | 6/14/2019 | 8/8/2019 | 6/14/2019 | Purchased | 2.13 | 2.137 | 489,000 | 487,409 | 1,591 | - | - | - | - | 487,409 |
| FUND 5000 | T-BILL | 525350 | BONY | 92 | DAIWA | 6/17/2019 | 8/8/2019 | 6/17/2019 | Purchased | 2.1 | 2.106 | 80,000 | 79,757 | 243 | - | - | - | - | 79,757 |
| FUND 5000 | T-BILL | 525318 | BONY | 92 | RBC | 6/13/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.05 | 2.051 | 4,160,000 | 4,158,342 | - | - | 1,658 | - | - | 4,160,000 |
| FUND 5000 | T-BILL | 525405 | BONY | 92 | DAIWA | 6/20/2019 | 9/19/2019 | 6/20/2019 | Purchased | 2.1 | 2.111 | 2,925,000 | 2,909,473 | 15,527 | - | - | - | - | 2,909,473 |
| FUND 5000 | COMM PAPER | 525414 | BONY | 92 | MERIL | 6/21/2019 | 6/27/2019 | 6/21/2019 | Purchased | 2.36 | 2.361 | 32,332,000 | 32,319,283 | 12,717 | - | - | - | - | 32,319,283 |
| FUND 5000 | COMM PAPER | 525414 | BONY | 92 | MERIL | 6/21/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.36 | 2.361 | 32,332,000 | 32,319,283 | - | - | 12,717 | - | - | 32,332,000 |
| FUND 5000 | COMM PAPER | 525466 | BONY | 92 | MERIL | 6/27/2019 | 7/24/2019 | 6/27/2019 | Purchased | 2.4 | 2.404 | 33,207,000 | 33,147,227 | 59,773 | - | - | - | - | 33,147,227 |
| FUND 5000 | COMM PAPER | 525479 | BONY | 92 | RBC | 6/28/2019 | 7/11/2019 | 6/28/2019 | Purchased | 2.362 | 2.365 | 27,454,000 | 27,430,578 | 23,422 | - | - | - | - | 27,430,578 |
| FUND 5000 | COMM PAPER | 525480 | BONY | 92 | RBC | 6/28/2019 | 7/11/2019 | 6/28/2019 | Purchased | 2.363 | 2.365 | 50,000,000 | 49,957,344 | 42,656 | - | - | - | - | 49,957,344 |
| FUND 5000 | T-BILL | 525531 | BONY | 92 | RBC | 7/5/2019 | 9/19/2019 | 7/5/2019 | Purchased | 2.155 | 2.165 | 100,000 | 99,545 | 455 | - | - | - | - | 99,545 |
| FUND 5000 | COMM PAPER | 525479 | BONY | 92 | RBC | 6/28/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.362 | 2.365 | 27,454,000 | 27,430,578 | - | - | 23,422 | - | - | 27,454,000 |
| FUND 5000 | COMM PAPER | 525480 | BONY | 92 | RBC | 6/28/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.363 | 2.365 | 50,000,000 | 49,957,344 | - | - | 42,656 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 525594 | BONY | 92 | DAIWA | 7/11/2019 | 9/3/2019 | 7/11/2019 | Purchased | 2.13 | 2.137 | 50,000,000 | 49,840,250 | 159,750 | - | - | - | - | 49,840,250 |
| FUND 5000 | T-BILL | 525595 | BONY | 92 | DAIWA | 7/11/2019 | 9/3/2019 | 7/11/2019 | Purchased | 2.13 | 2.137 | 27,703,000 | 27,614,489 | 88,511 | - | - | - | - | 27,614,489 |
| FUND 5000 | T-BILL | 525605 | BONY | 92 | RBC | 7/11/2019 | 8/8/2019 | 7/11/2019 | Purchased | 2.035 | 2.038 | 4,986,000 | 4,978,108 | 7,892 | - | - | - | - | 4,978,108 |
| FUND 5000 | T-BILL | 525636 | BONY | 92 | DAIWA | 7/15/2019 | 8/6/2019 | 7/15/2019 | Purchased | 2.125 | 2.128 | 2,842,000 | 2,838,309 | 3,691 | - | - | - | - | 2,838,309 |
| FUND 5000 | T-BILL | 525653 | BONY | 92 | BOFAB | 7/16/2019 | 8/6/2019 | 7/16/2019 | Purchased | 2.08 | 2.083 | 645,000 | 644,217 | 783 | - | - | - | - | 644,217 |
| FUND 5000 | T-BILL | 525669 | BONY | 92 | BOFAB | 7/17/2019 | 8/6/2019 | 7/17/2019 | Purchased | 2.06 | 2.062 | 1,856,000 | 1,853,876 | 2,124 | - | - | - | - | 1,853,876 |
| FUND 5000 | T-BILL | 525683 | BONY | 92 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 306,000 | 305,048 | 952 | - | - | - | - | 305,048 |
| FUND 5000 | T-BILL | 525309 | BONY | 92 | DAIWA | 6/13/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.08 | 2.085 | 50,000,000 | 49,884,444 | - | - | 115,556 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 525310 | BONY | 92 | DAIWA | 6/13/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.08 | 2.085 | 49,490,000 | 49,375,623 | - | - | 114,377 | - | - | 49,490,000 |
| FUND 5000 | COMM PAPER | 525726 | BONY | 92 | RBC | 7/23/2019 | 7/25/2019 | 7/23/2019 | Purchased | 2.35 | 2.35 | 50,000,000 | 49,993,472 | 6,528 | - | - | - | - | 49,993,472 |
| FUND 5000 | COMM PAPER | 525727 | BONY | 92 | RBC | 7/23/2019 | 7/25/2019 | 7/23/2019 | Purchased | 2.35 | 2.35 | 49,503,000 | 49,496,537 | 6,463 | - | - | - | - | 49,496,537 |
| FUND 5000 | COMM PAPER | 525466 | BONY | 92 | MERIL | 6/27/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.4 | 2.404 | 33,207,000 | 33,147,227 | - | - | 59,773 | - | - | 33,207,000 |
| FUND 5000 | T-BILL | 525746 | BONY | 92 | DAIWA | 7/24/2019 | 10/3/2019 | 7/24/2019 | Purchased | 2 | 2.008 | 33,617,000 | 33,484,400 | 132,600 | - | - | - | - | 33,484,400 |
| FUND 5000 | COMM PAPER | 525726 | BONY | 92 | RBC | 7/23/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.35 | 2.35 | 50,000,000 | 49,993,472 | - | - | 6,528 | - | - | 50,000,000 |
| FUND 5000 | COMM PAPER | 525727 | BONY | 92 | RBC | 7/23/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.35 | 2.35 | 49,503,000 | 49,496,537 | - | - | 6,463 | - | - | 49,503,000 |
| FUND 5000 | T-BILL | 525765 | BONY | 92 | RBC | 7/25/2019 | 10/10/2019 | 7/25/2019 | Purchased | 2.025 | 2.034 | 50,000,000 | 49,783,438 | 216,563 | - | - | - | - | 49,783,438 |
| FUND 5000 | T-BILL | 525766 | BONY | 92 | RBC | 7/25/2019 | 10/10/2019 | 7/25/2019 | Purchased | 2.025 | 2.034 | 27,545,000 | 27,425,696 | 119,304 | - | - | - | - | 27,425,696 |
| FUND 5000 | T-BILL | 524630 | BONY | 92 | BOFAB | 4/15/2019 | 8/8/2019 | 7/30/2019 | Partial Sale | 2.345 | 2.363 | 35,000 | 34,738 | 262 | - | 242 | - | 3 | 34,983 |
| FUND 5000 | T-BILL | 525636 | BONY | 92 | DAIWA | 7/15/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.125 | 2.128 | 2,842,000 | 2,838,309 | - | - | 3,691 | - | - | 2,842,000 |
| FUND 5000 | T-BILL | 525653 | BONY | 92 | BOFAB | 7/16/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.08 | 2.083 | 645,000 | 644,217 | - | - | 783 | - | - | 645,000 |
| FUND 5000 | T-BILL | 525669 | BONY | 92 | BOFAB | 7/17/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.06 | 2.062 | 1,856,000 | 1,853,876 | - | - | 2,124 | - | - | 1,856,000 |
| FUND 5000 | T-BILL | 525850 | BONY | 92 | DAIWA | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 5,360,000 | 5,343,074 | 16,926 | - | - | - | - | 5,343,074 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 5000 | T-BILL | 524064 | BONY | 92 RBC | | 2/20/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.415 | 2.443 | 328,000 | 324,281 | - | - | 3,719 | - | - | 328,000 |
| FUND 5000 | T-BILL | 524556 | BONY | 92 DAIWA | | 4/9/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.37 | 2.389 | 1,460,000 | 1,448,370 | - | - | 11,630 | - | - | 1,460,000 |
| FUND 5000 | T-BILL | 524568 | BONY | 92 DAIWA | | 4/10/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.37 | 2.389 | 4,352,000 | 4,317,619 | - | - | 34,381 | - | - | 4,352,000 |
| FUND 5000 | T-BILL | 524602 | BONY | 92 DAIWA | | 4/11/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.365 | 2.384 | 3,215,000 | 3,189,866 | - | - | 25,134 | - | - | 3,215,000 |
| FUND 5000 | T-BILL | 524727 | BONY | 92 DAIWA | | 4/23/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.375 | 2.392 | 258,000 | 256,179 | - | - | 1,821 | - | - | 258,000 |
| FUND 5000 | T-BILL | 524801 | BONY | 92 BOFAB | | 5/2/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.34 | 2.355 | 52,000 | 51,669 | - | - | 331 | - | - | 52,000 |
| FUND 5000 | T-BILL | 524866 | BONY | 92 DAIWA | | 5/9/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.37 | 2.384 | 1,638,000 | 1,628,187 | - | - | 9,813 | - | - | 1,638,000 |
| FUND 5000 | T-BILL | 524892 | BONY | 92 DAIWA | | 5/13/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.36 | 2.374 | 7,158,000 | 7,117,176 | - | - | 40,824 | - | - | 7,158,000 |
| FUND 5000 | T-BILL | 524904 | BONY | 92 WELLB | | 5/14/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.345 | 2.358 | 635,000 | 631,443 | - | - | 3,557 | - | - | 635,000 |
| FUND 5000 | T-BILL | 524986 | BONY | 92 RBC | | 5/17/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.335 | 2.348 | 315,000 | 313,304 | - | - | 1,696 | - | - | 315,000 |
| FUND 5000 | T-BILL | 525155 | BONY | 92 RBC | | 5/30/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.275 | 2.285 | 317,000 | 315,598 | - | - | 1,402 | - | - | 317,000 |
| FUND 5000 | T-BILL | 525166 | BONY | 92 DAIWA | | 5/31/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.26 | 2.27 | 759,000 | 755,712 | - | - | 3,288 | - | - | 759,000 |
| FUND 5000 | T-BILL | 525286 | BONY | 92 DAIWA | | 6/11/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.21 | 2.218 | 4,624,000 | 4,607,536 | - | - | 16,464 | - | - | 4,624,000 |
| FUND 5000 | T-BILL | 525334 | BONY | 92 DAIWA | | 6/14/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.13 | 2.137 | 489,000 | 487,409 | - | - | 1,591 | - | - | 489,000 |
| FUND 5000 | T-BILL | 525350 | BONY | 92 DAIWA | | 6/17/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.1 | 2.106 | 80,000 | 79,757 | - | - | 243 | - | - | 80,000 |
| FUND 5000 | T-BILL | 525605 | BONY | 92 RBC | | 7/11/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.035 | 2.038 | 4,986,000 | 4,978,108 | - | - | 7,892 | - | - | 4,986,000 |
| FUND 5000 | T-BILL | 525803 | BONY | 92 RBC | | 4/15/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.345 | 2.363 | 407,000 | 403,951 | - | - | 3,049 | - | - | 407,000 |
| FUND 5000 | FHLB NOTES | 525891 | BONY | 92 RBC | | 8/8/2019 | 10/10/2019 | 8/8/2019 | Purchased | 2 | 2.007 | 31,182,000 | 31,072,863 | 109,137 | - | - | - | - | 31,072,863 |
| FUND 5000 | T-BILL | 525941 | BONY | 92 DAIWA | | 8/12/2019 | 10/1/2019 | 8/12/2019 | Purchased | 1.98 | 1.985 | 7,013,000 | 6,993,714 | 19,286 | - | - | - | - | 6,993,714 |
| FUND 5000 | COMM PAPER | 525960 | BONY | 92 MERIL | | 8/13/2019 | 8/20/2019 | 8/13/2019 | Purchased | 2.07 | 2.071 | 5,313,000 | 5,310,862 | 2,138 | - | - | - | - | 5,310,862 |
| FUND 5000 | FHLB NOTES | 525983 | BONY | 92 BOFAB | | 8/14/2019 | 10/9/2019 | 8/14/2019 | Purchased | 2.03 | 2.036 | 521,000 | 519,355 | 1,645 | - | - | - | - | 519,355 |
| FUND 5000 | T-BILL | 526028 | BONY | 92 DAIWA | | 8/19/2019 | 10/10/2019 | 8/19/2019 | Purchased | 1.845 | 1.85 | 116,000 | 115,691 | 309 | - | - | - | - | 115,691 |
| FUND 5000 | COMM PAPER | 525960 | BONY | 92 MERIL | | 8/13/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.07 | 2.071 | 5,313,000 | 5,310,862 | - | - | 2,138 | - | - | 5,313,000 |
| FUND 5000 | FHLB NOTES | 526051 | BONY | 92 DAIWA | | 8/20/2019 | 10/8/2019 | 8/20/2019 | Purchased | 1.985 | 1.99 | 5,327,000 | 5,312,607 | 14,393 | - | - | - | - | 5,312,607 |
| FUND 5000 | T-NOTE-MID | 526105 | BONY | 92 MERIL | | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 385,000 | 389,759 | 4,759 | 3,496 | - | - | - | 389,759 |
| FUND 5000 | T-BILL | 525594 | BONY | 92 DAIWA | | 7/11/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.13 | 2.137 | 50,000,000 | 49,840,250 | - | - | 159,750 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 525595 | BONY | 92 DAIWA | | 7/11/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.13 | 2.137 | 27,703,000 | 27,614,489 | - | - | 88,511 | - | - | 27,703,000 |
| FUND 5000 | T-BILL | 526187 | BONY | 92 DAIWA | | 9/3/2019 | 10/10/2019 | 9/3/2019 | Purchased | 1.97 | 1.974 | 50,000,000 | 49,898,764 | 101,236 | - | - | - | - | 49,898,764 |
| FUND 5000 | T-BILL | 526188 | BONY | 92 DAIWA | | 9/3/2019 | 10/10/2019 | 9/3/2019 | Purchased | 1.97 | 1.974 | 27,861,000 | 27,804,589 | 56,411 | - | - | - | - | 27,804,589 |
| FUND 5000 | T-BILL | 525683 | BONY | 92 BOFAB | | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 306,000 | 305,048 | - | - | 952 | - | - | 306,000 |
| FUND 5000 | T-BILL | 526301 | BONY | 92 BOFAB | | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 307,000 | 306,497 | 503 | - | - | - | - | 306,497 |
| FUND 5000 | T-BILL | 526313 | BONY | 92 RBC | | 9/11/2019 | 10/8/2019 | 9/11/2019 | Purchased | 1.985 | 1.988 | 2,347,000 | 2,343,506 | 3,494 | - | - | - | - | 2,343,506 |
| FUND 5000 | T-BILL | 526326 | BONY | 92 RBC | | 9/12/2019 | 10/8/2019 | 9/12/2019 | Purchased | 1.96 | 1.963 | 10,026,000 | 10,011,808 | 14,192 | - | - | - | - | 10,011,808 |
| FUND 5000 | T-BILL | 526343 | BONY | 92 BOFAB | | 9/13/2019 | 10/15/2019 | 9/13/2019 | Purchased | 1.9 | 1.903 | 793,000 | 791,661 | 1,339 | - | - | - | - | 791,661 |
| FUND 5000 | T-BILL | 526360 | BONY | 92 DAIWA | | 9/16/2019 | 10/17/2019 | 9/16/2019 | Purchased | 1.923 | 1.926 | 410,000 | 409,321 | 679 | - | - | - | - | 409,321 |
| FUND 5000 | T-BILL | 526368 | BONY | 92 CANT | | 9/17/2019 | 11/12/2019 | 9/17/2019 | Purchased | 1.975 | 1.981 | 50,000,000 | 49,846,389 | 153,611 | - | - | - | - | 49,846,389 |
| FUND 5000 | T-BILL | 526369 | BONY | 92 CANT | | 9/17/2019 | 11/12/2019 | 9/17/2019 | Purchased | 1.975 | 1.981 | 22,957,000 | 22,886,471 | 70,529 | - | - | - | - | 22,886,471 |
| FUND 5000 | T-BILL | 525405 | BONY | 92 DAIWA | | 6/20/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.1 | 2.111 | 2,925,000 | 2,909,473 | - | - | 15,527 | - | - | 2,925,000 |
| FUND 5000 | T-BILL | 525531 | BONY | 92 RBC | | 7/5/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.155 | 2.165 | 100,000 | 99,545 | - | - | 455 | - | - | 100,000 |
| FUND 5000 | T-BILL | 526408 | BONY | 92 CANT | | 9/19/2019 | 10/17/2019 | 9/19/2019 | Purchased | 1.823 | 1.825 | 3,029,000 | 3,024,706 | 4,294 | - | - | - | - | 3,024,706 |
| FUND 5000 | T-BILL | 525850 | BONY | 92 BOFAB | | 8/6/2019 | 10/1/2019 | 9/20/2019 | Partial Sale | 2.03 | 2.036 | 1,251,000 | 1,247,050 | 3,950 | - | - | 3,174 | 46 | 1,250,270 |
| FUND 5000 | T-BILL | 525941 | BONY | 92 DAIWA | | 8/12/2019 | 10/1/2019 | 10/1/2019 | Matured | 1.98 | 1.985 | 7,013,000 | 6,993,714 | - | - | 19,286 | - | - | 7,013,000 |
| FUND 5000 | T-BILL | 526428 | BONY | 92 DAIWA | | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 4,109,000 | 4,096,025 | - | - | 12,975 | - | - | 4,109,000 |
| FUND 5000 | T-BILL | 526525 | BONY | 92 BOFAB | | 10/1/2019 | 11/12/2019 | 10/1/2019 | Purchased | 1.71 | 1.713 | 11,145,000 | 11,122,766 | 22,234 | - | - | - | - | 11,122,766 |
| FUND 5000 | T-BILL | 526552 | BONY | 92 BOFAB | | 10/2/2019 | 11/12/2019 | 10/2/2019 | Purchased | 1.645 | 1.648 | 412,000 | 411,228 | 772 | - | - | - | - | 411,228 |
| FUND 5000 | T-BILL | 525746 | BONY | 92 DAIWA | | 7/24/2019 | 10/3/2019 | 10/3/2019 | Matured | 2 | 2.008 | 33,617,000 | 33,484,400 | - | - | 132,600 | - | - | 33,617,000 |
| FUND 5000 | T-BILL | 526566 | BONY | 92 BOFAB | | 10/3/2019 | 11/12/2019 | 10/3/2019 | Purchased | 1.667 | 1.67 | 33,799,000 | 33,736,397 | 62,603 | - | - | - | - | 33,736,397 |
| FUND 5000 | FHLB NOTES | 526051 | BONY | 92 DAIWA | | 8/20/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.985 | 1.99 | 5,327,000 | 5,312,607 | - | - | 14,393 | - | - | 5,327,000 |
| FUND 5000 | T-BILL | 526313 | BONY | 92 RBC | | 9/11/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.985 | 1.988 | 2,347,000 | 2,343,506 | - | - | 3,494 | - | - | 2,347,000 |
| FUND 5000 | T-BILL | 526326 | BONY | 92 RBC | | 9/12/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.96 | 1.963 | 10,026,000 | 10,011,808 | - | - | 14,192 | - | - | 10,026,000 |
| FUND 5000 | T-BILL | 526608 | BONY | 92 DAIWA | | 10/8/2019 | 11/12/2019 | 10/8/2019 | Purchased | 1.67 | 1.673 | 17,729,000 | 17,700,215 | 28,785 | - | - | - | - | 17,700,215 |
| FUND 5000 | FHLB NOTES | 525983 | BONY | 92 BOFAB | | 8/14/2019 | 10/9/2019 | 10/9/2019 | Matured | 2.03 | 2.036 | 521,000 | 519,355 | - | - | 1,645 | - | - | 521,000 |
| FUND 5000 | T-BILL | 526621 | BONY | 92 BOFAB | | 10/9/2019 | 11/12/2019 | 10/9/2019 | Purchased | 1.645 | 1.648 | 521,000 | 520,191 | 809 | - | - | - | - | 520,191 |
| FUND 5000 | T-BILL | 525765 | BONY | 92 RBC | | 7/25/2019 | 10/10/2019 | 10/10/2019 | Matured | 2.025 | 2.034 | 50,000,000 | 49,783,438 | - | - | 216,563 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 5000 | T-BILL | 525766 | BONY | 92 RBC | | 7/25/2019 | 10/10/2019 | 10/10/2019 | Matured | 2.025 | 2.034 | 27,545,000 | 27,425,696 | - | - | 119,304 | - | - | 27,545,000 |
| FUND 5000 | FHLB NOTES | 525891 | BONY | 92 RBC | | 8/8/2019 | 10/10/2019 | 10/10/2019 | Matured | 2 | 2.007 | 31,182,000 | 31,072,863 | - | - | 109,137 | - | - | 31,182,000 |
| FUND 5000 | T-BILL | 526028 | BONY | 92 DAIWA | | 8/19/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.845 | 1.85 | 116,000 | 115,691 | - | - | 309 | - | - | 116,000 |
| FUND 5000 | T-BILL | 526187 | BONY | 92 DAIWA | | 9/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.97 | 1.974 | 50,000,000 | 49,898,764 | - | - | 101,236 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526188 | BONY | 92 DAIWA | | 9/3/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.97 | 1.974 | 27,861,000 | 27,804,589 | - | - | 56,411 | - | - | 27,861,000 |
| FUND 5000 | T-BILL | 526301 | BONY | 92 BOFAB | | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 307,000 | 306,497 | - | - | 503 | - | - | 307,000 |
| FUND 5000 | T-BILL | 526642 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 50,000,000 | 49,876,250 | 123,750 | - | - | - | - | 49,876,250 |
| FUND 5000 | T-BILL | 526643 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 50,000,000 | 49,876,250 | 123,750 | - | - | - | - | 49,876,250 |
| FUND 5000 | T-BILL | 526644 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 50,000,000 | 49,876,250 | 123,750 | - | - | - | - | 49,876,250 |
| FUND 5000 | T-BILL | 526645 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 10/10/2019 | Purchased | 1.65 | 1.654 | 42,206,000 | 42,101,540 | 104,460 | - | - | - | - | 42,101,540 |
| FUND 5000 | T-BILL | 526343 | BONY | 92 BOFAB | | 9/13/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.9 | 1.903 | 793,000 | 791,661 | - | - | 1,339 | - | - | 793,000 |
| FUND 5000 | T-BILL | 526687 | BONY | 92 DAIWA | | 10/15/2019 | 12/10/2019 | 10/15/2019 | Purchased | 1.675 | 1.679 | 3,763,000 | 3,753,195 | 9,805 | - | - | - | - | 3,753,195 |
| FUND 5000 | T-BILL | 526704 | BONY | 92 CANT | | 10/16/2019 | 12/10/2019 | 10/16/2019 | Purchased | 1.635 | 1.639 | 3,872,000 | 3,862,328 | 9,672 | - | - | - | - | 3,862,328 |
| FUND 5000 | T-BILL | 526360 | BONY | 92 DAIWA | | 9/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.923 | 1.926 | 410,000 | 409,321 | - | - | 679 | - | - | 410,000 |
| FUND 5000 | T-BILL | 526408 | BONY | 92 CANT | | 9/19/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.823 | 1.825 | 3,029,000 | 3,024,706 | - | - | 4,294 | - | - | 3,029,000 |
| FUND 5000 | T-BILL | 526728 | BONY | 92 DAIWA | | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 3,447,000 | 3,438,572 | 8,428 | - | - | - | - | 3,438,572 |
| FUND 5000 | T-BILL | 526825 | BONY | 92 BOFAB | | 10/28/2019 | 12/10/2019 | 10/28/2019 | Purchased | 1.65 | 1.653 | 417,000 | 416,178 | 822 | - | - | - | - | 416,178 |
| FUND 5000 | T-BILL | 526728 | BONY | 92 BOFAB | | 10/17/2019 | 12/10/2019 | 10/31/2019 | Partial Sale | 1.63 | 1.634 | 52,000 | 51,873 | 127 | - | 33 | - | 3 | 51,909 |
| FUND 5000 | T-BILL | 526915 | BONY | 92 CANT | | 11/6/2019 | 12/10/2019 | 11/6/2019 | Purchased | 1.465 | 1.467 | 139,000 | 138,808 | 192 | - | - | - | - | 138,808 |
| FUND 5000 | T-BILL | 526368 | BONY | 92 CANT | | 9/17/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.975 | 1.981 | 50,000,000 | 49,846,389 | - | - | 153,611 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526369 | BONY | 92 CANT | | 9/17/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.975 | 1.981 | 22,957,000 | 22,886,471 | - | - | 70,529 | - | - | 22,957,000 |
| FUND 5000 | T-BILL | 526525 | BONY | 92 BOFAB | | 10/1/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.71 | 1.713 | 11,145,000 | 11,122,766 | - | - | 22,234 | - | - | 11,145,000 |
| FUND 5000 | T-BILL | 526552 | BONY | 92 BOFAB | | 10/2/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.645 | 1.648 | 412,000 | 411,228 | - | - | 772 | - | - | 412,000 |
| FUND 5000 | T-BILL | 526566 | BONY | 92 BOFAB | | 10/3/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.667 | 1.67 | 33,799,000 | 33,736,397 | - | - | 62,603 | - | - | 33,799,000 |
| FUND 5000 | T-BILL | 526608 | BONY | 92 DAIWA | | 10/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.67 | 1.673 | 17,729,000 | 17,700,215 | - | - | 28,785 | - | - | 17,729,000 |
| FUND 5000 | T-BILL | 526621 | BONY | 92 BOFAB | | 10/9/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.645 | 1.648 | 521,000 | 520,191 | - | - | 809 | - | - | 521,000 |
| FUND 5000 | T-BILL | 526963 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 11/12/2019 | Purchased | 1.525 | 1.527 | 36,725,000 | 36,681,440 | 43,560 | - | - | - | - | 36,681,440 |
| FUND 5000 | T-BILL | 526964 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 11/12/2019 | Purchased | 1.525 | 1.527 | 50,000,000 | 49,940,694 | 59,306 | - | - | - | - | 49,940,694 |
| FUND 5000 | T-BILL | 526965 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 11/12/2019 | Purchased | 1.525 | 1.527 | 50,000,000 | 49,940,694 | 59,306 | - | - | - | - | 49,940,694 |
| FUND 5000 | T-BILL | 526975 | BONY | 92 CANT | | 11/12/2019 | 12/10/2019 | 11/12/2019 | Purchased | 1.52 | 1.522 | 2,338,000 | 2,335,236 | 2,764 | - | - | - | - | 2,335,236 |
| FUND 5000 | T-BILL | 527007 | BONY | 92 BOFAB | | 11/14/2019 | 12/10/2019 | 11/14/2019 | Purchased | 1.52 | 1.522 | 7,591,000 | 7,582,667 | 8,333 | - | - | - | - | 7,582,667 |
| FUND 5000 | T-NOTE-MID | 526105 | BONY | 92 - | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 1,263 | - | - | - | 1,263 | - | - |
| FUND 5000 | T-NOTE-MID | 526105 | BONY | 92 MERIL | | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 385,000 | 388,496 | - | 3,496 | 3,001 | - | - | 391,497 |
| FUND 5000 | T-BILL | 527038 | BONY | 92 BOFAB | | 11/15/2019 | 12/10/2019 | 11/15/2019 | Purchased | 1.52 | 1.522 | 392,000 | 391,586 | 414 | - | - | - | - | 391,586 |
| FUND 5000 | T-BILL | 527048 | BONY | 92 MERIL | | 11/18/2019 | 12/10/2019 | 11/18/2019 | Purchased | 1.52 | 1.521 | 2,582,000 | 2,579,602 | 2,398 | - | - | - | - | 2,579,602 |
| FUND 5000 | T-BILL | 527172 | BONY | 92 BOFAB | | 12/2/2019 | 12/10/2019 | 12/2/2019 | Purchased | 1.55 | 1.55 | 399,000 | 398,863 | 137 | - | - | - | - | 398,863 |
| FUND 5000 | T-BILL | 526642 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 50,000,000 | 49,876,250 | - | - | 123,750 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526643 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 50,000,000 | 49,876,250 | - | - | 123,750 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526644 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 50,000,000 | 49,876,250 | - | - | 123,750 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526645 | BONY | 92 DAIWA | | 10/10/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.65 | 1.654 | 42,206,000 | 42,101,540 | - | - | 104,460 | - | - | 42,206,000 |
| FUND 5000 | T-BILL | 527188 | BONY | 92 BOFAB | | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 5000 | T-BILL | 527189 | BONY | 92 BOFAB | | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 5000 | T-BILL | 527190 | BONY | 92 BOFAB | | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 50,000,000 | 49,969,958 | 30,042 | - | - | - | - | 49,969,958 |
| FUND 5000 | T-BILL | 527191 | BONY | 92 BOFAB | | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.545 | 1.546 | 42,322,000 | 42,296,572 | 25,428 | - | - | - | - | 42,296,572 |
| FUND 5000 | T-BILL | 526687 | BONY | 92 DAIWA | | 10/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.675 | 1.679 | 3,763,000 | 3,753,195 | - | - | 9,805 | - | - | 3,763,000 |
| FUND 5000 | T-BILL | 526704 | BONY | 92 CANT | | 10/16/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.635 | 1.639 | 3,872,000 | 3,862,328 | - | - | 9,672 | - | - | 3,872,000 |
| FUND 5000 | T-BILL | 526825 | BONY | 92 BOFAB | | 10/28/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.65 | 1.653 | 417,000 | 416,178 | - | - | 822 | - | - | 417,000 |
| FUND 5000 | T-BILL | 526858 | BONY | 92 DAIWA | | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 3,395,000 | 3,386,699 | - | - | 8,301 | - | - | 3,395,000 |
| FUND 5000 | T-BILL | 526915 | BONY | 92 CANT | | 11/6/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.465 | 1.467 | 139,000 | 138,808 | - | - | 192 | - | - | 139,000 |
| FUND 5000 | T-BILL | 526963 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.525 | 1.527 | 36,725,000 | 36,681,440 | - | - | 43,560 | - | - | 36,725,000 |
| FUND 5000 | T-BILL | 526964 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.525 | 1.527 | 50,000,000 | 49,940,694 | - | - | 59,306 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526965 | BONY | 92 DAIWA | | 11/12/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.525 | 1.527 | 50,000,000 | 49,940,694 | - | - | 59,306 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 526975 | BONY | 92 CANT | | 11/12/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 2,338,000 | 2,335,236 | - | - | 2,764 | - | - | 2,338,000 |
| FUND 5000 | T-BILL | 527007 | BONY | 92 BOFAB | | 11/14/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 7,591,000 | 7,582,667 | - | - | 8,333 | - | - | 7,591,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 5000 | T-BILL | 527038 | BONY | 92 | BOFAB | 11/15/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.522 | 392,000 | 391,586 | - | - | 414 | - | - | 392,000 |
| FUND 5000 | T-BILL | 527048 | BONY | 92 | MERIL | 11/18/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.52 | 1.521 | 2,582,000 | 2,579,602 | - | - | 2,398 | - | - | 2,582,000 |
| FUND 5000 | T-BILL | 527172 | BONY | 92 | BOFAB | 12/2/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.55 | 1.55 | 399,000 | 398,863 | - | - | 137 | - | - | 399,000 |
| FUND 5000 | T-BILL | 527334 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 5000 | T-BILL | 527335 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 5000 | T-BILL | 527336 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 50,000,000 | 49,985,417 | 14,583 | - | - | - | - | 49,985,417 |
| FUND 5000 | T-BILL | 527337 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 11,660,000 | 11,656,599 | 3,401 | - | - | - | - | 11,656,599 |
| FUND 5000 | T-BILL | 527352 | BONY | 92 | CANT | 12/10/2019 | 12/17/2019 | 12/10/2019 | Purchased | 1.52 | 1.52 | 124,000 | 123,963 | 37 | - | - | - | - | 123,963 |
| FUND 5000 | T-BILL | 527361 | BONY | 92 | CANT | 12/11/2019 | 12/17/2019 | 12/11/2019 | Purchased | 1.42 | 1.42 | 1,125,000 | 1,124,734 | 266 | - | - | - | - | 1,124,734 |
| FUND 5000 | COMM PAPER | 527384 | BONY | 92 | CANT | 12/12/2019 | 12/17/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 6,636,000 | 6,634,590 | 1,410 | - | - | - | - | 6,634,590 |
| FUND 5000 | T-BILL | 527405 | BONY | 92 | BOFAB | 12/13/2019 | 12/17/2019 | 12/13/2019 | Purchased | 1.495 | 1.495 | 1,749,000 | 1,748,709 | 291 | - | - | - | - | 1,748,709 |
| FUND 5000 | T-BILL | 527188 | BONY | 92 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527189 | BONY | 92 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527190 | BONY | 92 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 50,000,000 | 49,969,958 | - | - | 30,042 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527191 | BONY | 92 | BOFAB | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.545 | 1.546 | 42,322,000 | 42,296,572 | - | - | 25,428 | - | - | 42,322,000 |
| FUND 5000 | T-BILL | 527334 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527335 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527336 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 50,000,000 | 49,985,417 | - | - | 14,583 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527337 | BONY | 92 | BOFAB | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.5 | 11,660,000 | 11,656,599 | - | - | 3,401 | - | - | 11,660,000 |
| FUND 5000 | T-BILL | 527352 | BONY | 92 | CANT | 12/10/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.52 | 1.52 | 124,000 | 123,963 | - | - | 37 | - | - | 124,000 |
| FUND 5000 | T-BILL | 527361 | BONY | 92 | CANT | 12/11/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.42 | 1.42 | 1,125,000 | 1,124,734 | - | - | 266 | - | - | 1,125,000 |
| FUND 5000 | COMM PAPER | 527384 | BONY | 92 | CANT | 12/12/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 6,636,000 | 6,634,590 | - | - | 1,410 | - | - | 6,636,000 |
| FUND 5000 | T-BILL | 527405 | BONY | 92 | BOFAB | 12/13/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.495 | 1.495 | 1,749,000 | 1,748,709 | - | - | 291 | - | - | 1,749,000 |
| FUND 5000 | T-BILL | 527434 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 5000 | T-BILL | 527435 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 5000 | T-BILL | 527436 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 5000 | T-BILL | 527437 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 5000 | T-BILL | 527438 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 50,000,000 | 49,996,028 | 3,972 | - | - | - | - | 49,996,028 |
| FUND 5000 | T-BILL | 527439 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/17/2019 | Purchased | 1.43 | 1.43 | 1,151,000 | 1,150,909 | 91 | - | - | - | - | 1,150,909 |
| FUND 5000 | T-BILL | 527482 | BONY | 92 | DAIWA | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.34 | 1.34 | 1,049,000 | 1,048,961 | 39 | - | - | - | - | 1,048,961 |
| FUND 5000 | T-BILL | 527434 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527435 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527436 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527437 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527438 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 50,000,000 | 49,996,028 | - | - | 3,972 | - | - | 50,000,000 |
| FUND 5000 | T-BILL | 527439 | BONY | 92 | DAIWA | 12/17/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.43 | 1.43 | 1,151,000 | 1,150,909 | - | - | 91 | - | - | 1,151,000 |
| FUND 5000 | T-BILL | 527482 | BONY | 92 | DAIWA | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.34 | 1.34 | 1,049,000 | 1,048,961 | - | - | 39 | - | - | 1,049,000 |
| FUND 5000 | T-BILL | 527490 | BONY | 92 | DAIWA | 12/19/2019 | 1/23/2020 | 12/19/2019 | Purchased | 1.5 | 1.502 | 50,000,000 | 49,927,083 | 72,917 | - | - | - | - | 49,927,083 |
| FUND 5000 | T-BILL | 527491 | BONY | 92 | DAIWA | 12/19/2019 | 1/23/2020 | 12/19/2019 | Purchased | 1.5 | 1.502 | 46,293,000 | 46,225,489 | 67,511 | - | - | - | - | 46,225,489 |
| FUND 5000 | T-BILL | 527492 | BONY | 92 | DAIWA | 12/19/2019 | 1/23/2020 | 12/19/2019 | Purchased | 1.5 | 1.502 | 50,000,000 | 49,927,083 | 72,917 | - | - | - | - | 49,927,083 |
| FUND 5000 | REPO INT | 527514 | BONY | 92 | DAIWA | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.5 | 1.5 | 1,069,000 | 1,069,000 | - | - | - | - | - | 1,069,000 |
| FUND 5000 | T-BILL | 527490 | BONY | 92 | MERIL | 12/19/2019 | 1/23/2020 | 12/20/2019 | Final Sale | 1.5 | 1.502 | 50,000,000 | 49,927,083 | 72,917 | - | 2,083 | - | 236 | 49,928,931 |
| FUND 5000 | T-BILL | 527492 | BONY | 92 | MERIL | 12/19/2019 | 1/23/2020 | 12/20/2019 | Final Sale | 1.5 | 1.502 | 50,000,000 | 49,927,083 | 72,917 | - | 2,083 | - | 236 | 49,928,931 |
| FUND 5000 | REPO INT | 527514 | BONY | 92 | DAIWA | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.5 | 1.5 | 1,069,000 | 1,069,000 | - | - | 45 | - | - | 1,069,045 |
| FUND 5000 | T-BILL | 527491 | BONY | 92 | MERIL | 12/19/2019 | 1/23/2020 | 12/20/2019 | Partial Sale | 1.5 | 1.502 | 40,468,000 | 40,408,984 | 59,016 | - | 1,686 | - | 191 | 40,410,479 |
| FUND 5000 Total | | | | | | | | | | | | 4,227,191,000 | 4,219,736,713 | 3,921,027 | 10,086 | 3,580,145 | 4,226 | 765 | 4,223,311,970 |
| FUND 7052 | T-BILL | 523110 | BONY | 114 | RBC | 11/27/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.211 | 2.215 | 13,420,000 | 13,390,335 | - | - | 29,665 | - | - | 13,420,000 |
| FUND 7052 | T-BILL | 523153 | BONY | 114 | DAIWA | 11/30/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.215 | 2.22 | 2,471,000 | 2,465,983 | - | - | 5,017 | - | - | 2,471,000 |
| FUND 7052 | T-BILL | 523168 | BONY | 114 | DAIWA | 12/3/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.23 | 2.234 | 21,379,000 | 21,339,271 | - | - | 39,729 | - | - | 21,379,000 |
| FUND 7052 | T-BILL | 523503 | BONY | 114 | DAIWA | 1/2/2019 | 1/22/2019 | 1/2/2019 | Purchased | 2.28 | 2.283 | 35,894,000 | 35,848,534 | 45,466 | - | - | - | - | 35,848,534 |
| FUND 7052 | T-BILL | 523503 | BONY | 114 | DAIWA | 1/2/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.28 | 2.283 | 35,894,000 | 35,848,534 | - | - | 45,466 | - | - | 35,894,000 |
| FUND 7052 | T-BILL | 523708 | BONY | 114 | DAIWA | 1/22/2019 | 2/12/2019 | 1/22/2019 | Purchased | 2.31 | 2.313 | 35,943,000 | 35,894,567 | 48,433 | - | - | - | - | 35,894,567 |
| FUND 7052 | T-NOTE-MID | 523755 | BONY | 114 | DAIWA | 1/28/2019 | 5/15/2019 | 1/28/2019 | Purchased | 0.875 | 2.407 | 32,761,000 | 32,672,430 | 88,570 | 58,599 | - | - | - | 32,672,430 |
| FUND 7052 | T-BILL | 523708 | BONY | 114 | RBC | 1/22/2019 | 2/12/2019 | 2/1/2019 | Partial Sale | 2.31 | 2.313 | 1,225,000 | 1,223,349 | 1,651 | - | 786 | - | 7 | 1,224,128 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 7052 | T-BILL | 523824 | BONY | 114 | DAIWA | 1/22/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.31 | 2.313 | 34,718,000 | 34,671,218 | - | - | 46,783 | - | - | 34,718,000 |
| FUND 7052 | T-BILL | 523959 | BONY | 114 | DAIWA | 2/12/2019 | 3/1/2019 | 2/12/2019 | Purchased | 2.385 | 2.388 | 34,757,000 | 34,717,855 | 39,145 | - | - | - | - | 34,717,855 |
| FUND 7052 | T-NOTE-MID | 524125 | BONY | 114 | RBC | 2/27/2019 | 5/15/2019 | 2/27/2019 | Purchased | 0.875 | 2.372 | 48,952,000 | 48,920,169 | 31,831 | 123,056 | - | - | - | 48,920,169 |
| FUND 7052 | T-BILL | 523959 | BONY | 114 | DAIWA | 2/12/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.385 | 2.388 | 34,757,000 | 34,717,855 | - | - | 39,145 | - | - | 34,757,000 |
| FUND 7052 | T-BILL | 524164 | BONY | 114 | DAIWA | 3/1/2019 | 4/11/2019 | 3/1/2019 | Purchased | 2.39 | 2.397 | 33,508,000 | 33,416,793 | 91,207 | - | - | - | - | 33,416,793 |
| FUND 7052 | T-NOTE-MID | 524299 | BONY | 114 | MERIL | 3/14/2019 | 5/15/2019 | 3/14/2019 | Purchased | 0.875 | 2.297 | 40,840,000 | 40,858,562 | 18,562 | 117,471 | - | - | - | 40,858,562 |
| FUND 7052 | T-BILL | 524164 | BONY | 114 | DAIWA | 3/1/2019 | 4/11/2019 | 4/1/2019 | Partial Sale | 2.39 | 2.397 | 1,362,000 | 1,358,293 | 3,707 | - | 2,803 | - | 8 | 1,361,103 |
| FUND 7052 | T-BILL | 524480 | BONY | 114 | DAIWA | 3/1/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.39 | 2.397 | 32,146,000 | 32,058,500 | - | - | 87,500 | - | - | 32,146,000 |
| FUND 7052 | T-NOTE-MID | 524587 | BONY | 114 | DAIWA | 4/11/2019 | 5/15/2019 | 4/11/2019 | Purchased | 0.875 | 2.169 | 32,071,000 | 32,146,118 | 75,118 | 113,954 | - | - | - | 32,146,118 |
| FUND 7052 | T-NOTE-MID | 524699 | BONY | 114 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 13,187,000 | 13,227,893 | 40,893 | 50,681 | - | - | - | 13,227,893 |
| FUND 7052 | T-NOTE-MID | 524701 | BONY | 114 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 33,321,000 | 33,424,330 | 103,330 | 128,060 | - | - | - | 33,424,330 |
| FUND 7052 | T-NOTE-MID | 523445 | BONY | 114 | - | 12/24/2018 | 5/15/2019 | 5/1/2019 | Amort/(Accr) | 0.875 | 2.424 | - | 7,933 | - | - | - | 7,933 | - | - |
| FUND 7052 | T-NOTE-MID | 523445 | BONY | 114 | RBC | 12/24/2018 | 5/15/2019 | 5/1/2019 | Partial Sale | 0.875 | 2.424 | 1,463,000 | 1,463,511 | 511 | 1,379 | 4,526 | - | 10 | 1,468,048 |
| FUND 7052 | T-NOTE-MID | 523755 | BONY | 114 | - | 1/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.407 | - | 147,169 | - | - | - | 147,169 | - | - |
| FUND 7052 | T-NOTE-MID | 524125 | BONY | 114 | - | 2/27/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.372 | - | 154,887 | - | - | - | 154,887 | - | - |
| FUND 7052 | T-NOTE-MID | 524299 | BONY | 114 | - | 3/14/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.297 | - | 98,909 | - | - | - | 98,909 | - | - |
| FUND 7052 | T-NOTE-MID | 524587 | BONY | 114 | - | 4/11/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.169 | - | 38,836 | - | - | - | 38,836 | - | - |
| FUND 7052 | T-NOTE-MID | 524699 | BONY | 114 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 9,787 | - | - | - | 9,787 | - | - |
| FUND 7052 | T-NOTE-MID | 524701 | BONY | 114 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 24,730 | - | - | - | 24,730 | - | - |
| FUND 7052 | T-NOTE-MID | 524792 | BONY | 114 | - | 12/24/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.424 | - | 159,462 | - | - | - | 159,462 | - | - |
| FUND 7052 | T-NOTE-MID | 523755 | BONY | 114 | DAIWA | 1/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.407 | 32,761,000 | 32,819,599 | - | 58,599 | 84,731 | - | - | 32,904,329 |
| FUND 7052 | T-NOTE-MID | 524125 | BONY | 114 | RBC | 2/27/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.372 | 48,952,000 | 49,075,056 | - | 123,056 | 91,109 | - | - | 49,166,165 |
| FUND 7052 | T-NOTE-MID | 524299 | BONY | 114 | MERIL | 3/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.297 | 40,840,000 | 40,957,471 | - | 117,471 | 61,204 | - | - | 41,018,675 |
| FUND 7052 | T-NOTE-MID | 524587 | BONY | 114 | DAIWA | 4/11/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.169 | 32,071,000 | 32,184,954 | - | 113,954 | 26,357 | - | - | 32,211,311 |
| FUND 7052 | T-NOTE-MID | 524699 | BONY | 114 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 13,187,000 | 13,237,681 | - | 50,681 | 7,012 | - | - | 13,244,693 |
| FUND 7052 | T-NOTE-MID | 524701 | BONY | 114 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 33,321,000 | 33,449,060 | - | 128,060 | 17,719 | - | - | 33,466,779 |
| FUND 7052 | T-NOTE-MID | 524792 | BONY | 114 | DAIWA | 12/24/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.424 | 26,508,000 | 26,532,989 | - | 24,989 | 90,984 | - | - | 26,623,973 |
| FUND 7052 | T-NOTE-MID | 524941 | BONY | 114 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 7052 | T-NOTE-MID | 524942 | BONY | 114 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 7052 | T-NOTE-EOM | 524943 | BONY | 114 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 4,331,000 | 4,345,268 | 14,268 | 20,189 | - | - | - | 4,345,268 |
| FUND 7052 | T-BILL | 525098 | BONY | 114 | RBC | 5/24/2019 | 6/4/2019 | 5/24/2019 | Purchased | 2.24 | 2.242 | 16,289,000 | 16,277,851 | 11,149 | - | - | - | - | 16,277,851 |
| FUND 7052 | T-BILL | 525098 | BONY | 114 | BOFAB | 5/24/2019 | 6/4/2019 | 6/3/2019 | Partial Sale | 2.24 | 2.242 | 1,396,000 | 1,395,045 | 955 | - | 869 | - | 2 | 1,395,911 |
| FUND 7052 | T-BILL | 525182 | BONY | 114 | RBC | 5/24/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.24 | 2.242 | 14,893,000 | 14,882,807 | - | - | 10,193 | - | - | 14,893,000 |
| FUND 7052 | T-BILL | 525196 | BONY | 114 | BOFAB | 6/4/2019 | 8/1/2019 | 6/4/2019 | Purchased | 2.28 | 2.288 | 14,948,000 | 14,893,091 | 54,909 | - | - | - | - | 14,893,091 |
| FUND 7052 | T-NOTE-MID | 525327 | BONY | 114 | DAIWA | 6/14/2019 | 11/15/2019 | 6/14/2019 | Purchased | 3.375 | 2.147 | 40,624,000 | 40,942,065 | 318,065 | 111,771 | - | - | - | 40,942,065 |
| FUND 7052 | T-NOTE-EOM | 524943 | BONY | 114 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 5,921 | - | - | - | 5,921 | - | - |
| FUND 7052 | T-NOTE-EOM | 524943 | BONY | 114 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 4,331,000 | 4,351,189 | - | 20,189 | 6,879 | - | - | 4,358,069 |
| FUND 7052 | T-NOTE-MID | 525493 | BONY | 114 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 2,930,000 | 2,956,822 | 26,822 | 12,630 | - | - | - | 2,956,822 |
| FUND 7052 | T-NOTE-MID | 525788 | BONY | 114 | CANT | 7/29/2019 | 11/15/2019 | 7/29/2019 | Purchased | 1 | 2.035 | 40,987,000 | 40,945,651 | 41,349 | 83,533 | - | - | - | 40,945,651 |
| FUND 7052 | T-BILL | 525196 | BONY | 114 | BOFAB | 6/4/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.28 | 2.288 | 14,948,000 | 14,893,091 | - | - | 54,909 | - | - | 14,948,000 |
| FUND 7052 | T-NOTE-MID | 525824 | BONY | 114 | DAIWA | 8/1/2019 | 11/15/2019 | 8/1/2019 | Purchased | 3.375 | 2.055 | 13,526,000 | 13,673,481 | 147,481 | 96,759 | - | - | - | 13,673,481 |
| FUND 7052 | T-NOTE-MID | 526084 | BONY | 114 | BOFAB | 8/21/2019 | 11/15/2019 | 8/21/2019 | Purchased | 1 | 1.856 | 5,829,000 | 5,832,910 | 3,910 | 15,523 | - | - | - | 5,832,910 |
| FUND 7052 | T-NOTE-MID | 526110 | BONY | 114 | MERIL | 8/22/2019 | 11/15/2019 | 8/22/2019 | Purchased | 3.375 | 1.936 | 34,518,000 | 34,944,668 | 426,668 | 313,406 | - | - | - | 34,944,668 |
| FUND 7052 | T-NOTE-MID | 525327 | BONY | 114 | - | 6/14/2019 | 11/15/2019 | 9/3/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 3,515 | - | - | - | 3,515 | - | - |
| FUND 7052 | T-NOTE-MID | 525327 | BONY | 114 | DAIWA | 6/14/2019 | 11/15/2019 | 9/3/2019 | Partial Sale | 3.375 | 2.147 | 1,316,000 | 1,322,789 | 6,789 | 3,621 | 9,776 | - | 174 | 1,332,738 |
| FUND 7052 | T-NOTE-MID | 526467 | BONY | 114 | CANT | 9/25/2019 | 11/15/2019 | 9/25/2019 | Purchased | 3.375 | 1.805 | 28,905,000 | 29,319,675 | 414,675 | 352,574 | - | - | - | 29,319,675 |
| FUND 7052 | T-NOTE-MID | 525493 | BONY | 114 | - | 7/1/2019 | 11/15/2019 | 10/1/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 4,222 | - | - | - | 4,222 | - | - |
| FUND 7052 | T-NOTE-MID | 525493 | BONY | 114 | DAIWA | 7/1/2019 | 11/15/2019 | 10/1/2019 | Partial Sale | 3.375 | 2.058 | 1,298,000 | 1,305,660 | 7,660 | 5,595 | 10,952 | - | 419 | 1,317,031 |
| FUND 7052 | T-NOTE-MID | 526757 | BONY | 114 | MERIL | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.61 | 12,907,000 | 13,108,803 | 201,803 | 184,661 | - | - | - | 13,108,803 |
| FUND 7052 | FHLB NOTES | 526847 | BONY | 114 | DAIWA | 10/30/2019 | 11/1/2019 | 10/30/2019 | Purchased | 1.5 | 1.5 | 13,272,000 | 13,270,894 | 1,106 | - | - | - | - | 13,270,894 |
| FUND 7052 | T-NOTE-MID | 525824 | BONY | 114 | - | 8/1/2019 | 11/15/2019 | 10/31/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 641 | - | - | - | 641 | - | - |
| FUND 7052 | T-NOTE-MID | 525824 | BONY | 114 | CANT | 8/1/2019 | 11/15/2019 | 10/31/2019 | Partial Sale | 3.375 | 2.055 | 199,000 | 200,529 | 1,529 | 1,424 | 1,661 | - | 27 | 202,217 |
| FUND 7052 | T-NOTE-MID | 524941 | BONY | 114 | - | 5/15/2019 | 11/15/2019 | 11/1/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 214,738 | - | - | - | 214,738 | - | - |
| FUND 7052 | T-NOTE-MID | 526193 | BONY | 114 | - | 6/14/2019 | 11/15/2019 | 11/1/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 46,165 | - | - | - | 46,165 | - | - |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|------------------|---------------|----------------------|
| FUND 7052 | T-NOTE-MID | 524941 | BONY | 114 | BOFAB | 5/15/2019 | 11/15/2019 | 11/1/2019 | Final Sale | 3.375 | 2.434 | 50,000,000 | 50,017,684 | 17,684 | - | 779,552 | - | 11,613 | 50,808,849 |
| FUND 7052 | FHLB NOTES | 526847 | BONY | 114 | DAIWA | 10/30/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.5 | 1.5 | 13,272,000 | 13,270,894 | - | - | 1,106 | - | - | 13,272,000 |
| FUND 7052 | T-NOTE-MID | 526193 | BONY | 114 | BOFAB | 6/14/2019 | 11/15/2019 | 11/1/2019 | Partial Sale | 3.375 | 2.147 | 10,000,000 | 10,032,130 | 32,130 | 27,514 | 128,397 | - | 1,243 | 10,161,770 |
| FUND 7052 | T-NOTE-MID | 526869 | BONY | 114 | CANT | 11/1/2019 | 11/15/2019 | 11/1/2019 | Purchased | 1 | 1.409 | 1,425,000 | 1,431,360 | 6,360 | 6,583 | - | - | - | 1,431,360 |
| FUND 7052 | T-NOTE-MID | 524942 | BONY | 114 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 7052 | T-NOTE-MID | 525788 | BONY | 114 | - | 7/29/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.035 | - | 124,882 | - | - | - | 124,882 | - | - |
| FUND 7052 | T-NOTE-MID | 526084 | BONY | 114 | - | 8/21/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.856 | - | 11,612 | - | - | - | 11,612 | - | - |
| FUND 7052 | T-NOTE-MID | 526110 | BONY | 114 | - | 8/22/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.936 | - | 113,262 | - | - | - | 113,262 | - | - |
| FUND 7052 | T-NOTE-MID | 526467 | BONY | 114 | - | 9/25/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.805 | - | 62,101 | - | - | - | 62,101 | - | - |
| FUND 7052 | T-NOTE-MID | 526538 | BONY | 114 | - | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 7,905 | - | - | - | 7,905 | - | - |
| FUND 7052 | T-NOTE-MID | 526757 | BONY | 114 | - | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.61 | - | 17,142 | - | - | - | 17,142 | - | - |
| FUND 7052 | T-NOTE-MID | 526861 | BONY | 114 | - | 8/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 49,976 | - | - | - | 49,976 | - | - |
| FUND 7052 | T-NOTE-MID | 526869 | BONY | 114 | - | 11/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.409 | - | 223 | - | - | - | 223 | - | - |
| FUND 7052 | T-NOTE-MID | 526876 | BONY | 114 | - | 6/14/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.147 | - | 148,830 | - | - | - | 148,830 | - | - |
| FUND 7052 | T-NOTE-MID | 524942 | BONY | 114 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 7052 | T-NOTE-MID | 525788 | BONY | 114 | CANT | 7/29/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.035 | 40,987,000 | 41,070,533 | - | 83,533 | 121,402 | - | - | 41,191,935 |
| FUND 7052 | T-NOTE-MID | 526084 | BONY | 114 | BOFAB | 8/21/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.856 | 5,829,000 | 5,844,523 | - | 15,523 | 13,622 | - | - | 5,858,145 |
| FUND 7052 | T-NOTE-MID | 526110 | BONY | 114 | MERIL | 8/22/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.936 | 34,518,000 | 34,831,406 | - | 313,406 | 269,086 | - | - | 35,100,491 |
| FUND 7052 | T-NOTE-MID | 526467 | BONY | 114 | CANT | 9/25/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.805 | 28,905,000 | 29,257,574 | - | 352,574 | 135,198 | - | - | 29,392,772 |
| FUND 7052 | T-NOTE-MID | 526538 | BONY | 114 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 1,632,000 | 1,639,035 | - | 7,035 | 20,505 | - | - | 1,659,540 |
| FUND 7052 | T-NOTE-MID | 526757 | BONY | 114 | MERIL | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.61 | 12,907,000 | 13,091,661 | - | 184,661 | 33,144 | - | - | 13,124,806 |
| FUND 7052 | T-NOTE-MID | 526861 | BONY | 114 | DAIWA | 8/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.055 | 13,327,000 | 13,422,335 | - | 95,335 | 129,558 | - | - | 13,551,893 |
| FUND 7052 | T-NOTE-MID | 526869 | BONY | 114 | CANT | 11/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.409 | 1,425,000 | 1,431,583 | - | 6,583 | 542 | - | - | 1,432,125 |
| FUND 7052 | T-NOTE-MID | 526876 | BONY | 114 | DAIWA | 6/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.147 | 29,308,000 | 29,388,637 | - | 80,637 | 413,936 | - | - | 29,802,573 |
| FUND 7052 | T-NOTE-MID | 527025 | BONY | 114 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 34,895,000 | 34,885,458 | 9,542 | - | - | - | - | 34,885,458 |
| FUND 7052 | REPO INT | 527041 | BONY | 114 | DAIWA | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.5 | 1.5 | 18,750,000 | 18,750,000 | - | - | - | - | - | 18,750,000 |
| FUND 7052 | REPO INT | 527041 | BONY | 114 | DAIWA | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.5 | 1.5 | 18,750,000 | 18,750,000 | - | - | 2,344 | - | - | 18,752,344 |
| FUND 7052 | T-NOTE-MID | 527047 | BONY | 114 | CANT | 11/18/2019 | 2/15/2020 | 11/18/2019 | Purchased | 1.375 | 1.575 | 18,695,000 | 18,752,231 | 57,231 | 66,360 | - | - | - | 18,752,231 |
| FUND 7052 | T-NOTE-MID | 527047 | BONY | 114 | BOFAB | 11/18/2019 | 2/15/2020 | 12/2/2019 | Partial Sale | 1.375 | 1.575 | 1,058,000 | 1,061,320 | 3,320 | 3,755 | 553 | - | 267 | 1,061,606 |
| FUND 7052 | T-NOTE-MID | 527574 | BONY | 114 | DAIWA | 12/23/2019 | 5/15/2020 | 12/23/2019 | Purchased | 1.5 | 1.578 | 11,713,000 | 11,727,681 | 14,681 | 18,342 | - | - | - | 11,727,681 |
| FUND 7052 Total | | | | | | | | | | | | 1,512,552,000 | 1,517,589,360 | 2,873,356 | 3,693,725 | 3,668,468 | 1,685,270 | 13,770 | 1,519,585,774 |
| FUND 7053 | T-BILL | 523005 | BONY | 109 | BOFAB | 11/15/2018 | 1/24/2019 | 1/24/2019 | Matured | 2.27 | 2.28 | 755,000 | 751,668 | - | - | 3,332 | - | - | 755,000 |
| FUND 7053 | T-BILL | 523737 | BONY | 109 | DAIWA | 1/24/2019 | 3/19/2019 | 1/24/2019 | Purchased | 2.325 | 2.333 | 757,000 | 754,360 | 2,640 | - | - | - | - | 754,360 |
| FUND 7053 | T-BILL | 524273 | BONY | 109 | DAIWA | 3/12/2019 | 3/19/2019 | 3/12/2019 | Purchased | 2.33 | 2.331 | 7,504,000 | 7,500,600 | 3,400 | - | - | - | - | 7,500,600 |
| FUND 7053 | T-BILL | 523737 | BONY | 109 | DAIWA | 1/24/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.325 | 2.333 | 757,000 | 754,360 | - | - | 2,640 | - | - | 757,000 |
| FUND 7053 | T-BILL | 524273 | BONY | 109 | DAIWA | 3/12/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.33 | 2.331 | 7,504,000 | 7,500,600 | - | - | 3,400 | - | - | 7,504,000 |
| FUND 7053 | T-BILL | 524434 | BONY | 109 | DAIWA | 3/19/2019 | 5/16/2019 | 3/19/2019 | Purchased | 2.39 | 2.399 | 761,000 | 758,070 | 2,930 | - | - | - | - | 758,070 |
| FUND 7053 | T-BILL | 524434 | BONY | 109 | RBC | 3/19/2019 | 5/16/2019 | 3/27/2019 | Partial Sale | 2.39 | 2.399 | 1,000 | 996 | 4 | - | 1 | - | 0 | 997 |
| FUND 7053 | T-BILL | 524446 | BONY | 109 | DAIWA | 3/19/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.39 | 2.399 | 760,000 | 757,074 | - | - | 2,926 | - | - | 760,000 |
| FUND 7053 | T-BILL | 524967 | BONY | 109 | DAIWA | 5/16/2019 | 7/18/2019 | 5/16/2019 | Purchased | 2.345 | 2.355 | 764,000 | 760,865 | 3,135 | - | - | - | - | 760,865 |
| FUND 7053 | T-BILL | 524967 | BONY | 109 | DAIWA | 5/16/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.345 | 2.355 | 764,000 | 760,865 | - | - | 3,135 | - | - | 764,000 |
| FUND 7053 | T-BILL | 525684 | BONY | 109 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 766,000 | 763,616 | 2,384 | - | - | - | - | 763,616 |
| FUND 7053 | T-BILL | 525684 | BONY | 109 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 766,000 | 763,616 | - | - | 2,384 | - | - | 766,000 |
| FUND 7053 | T-BILL | 526304 | BONY | 109 | BOFAB | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 767,000 | 765,744 | 1,256 | - | - | - | - | 765,744 |
| FUND 7053 | T-BILL | 526304 | BONY | 109 | BOFAB | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 767,000 | 765,744 | - | - | 1,256 | - | - | 767,000 |
| FUND 7053 | T-BILL | 526630 | BONY | 109 | DAIWA | 10/10/2019 | 1/9/2020 | 10/10/2019 | Purchased | 1.645 | 1.652 | 771,000 | 767,794 | 3,206 | - | - | - | - | 767,794 |
| FUND 7053 Total | | | | | | | | | | | | 24,164,000 | 24,125,971 | 18,955 | - | 19,075 | - | 0 | 24,145,045 |
| FUND 7054 | T-BILL | 523004 | BONY | 101 | BOFAB | 11/15/2018 | 1/24/2019 | 1/24/2019 | Matured | 2.27 | 2.28 | 46,000 | 45,797 | - | - | 203 | - | - | 46,000 |
| FUND 7054 | T-BILL | 523738 | BONY | 101 | DAIWA | 1/24/2019 | 3/19/2019 | 1/24/2019 | Purchased | 2.325 | 2.333 | 46,000 | 45,840 | 160 | - | - | - | - | 45,840 |
| FUND 7054 | T-BILL | 523738 | BONY | 101 | DAIWA | 1/24/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.325 | 2.333 | 46,000 | 45,840 | - | - | 160 | - | - | 46,000 |
| FUND 7054 | T-BILL | 524340 | BONY | 101 | BOFAB | 3/19/2019 | 4/11/2019 | 3/19/2019 | Purchased | 2.387 | 2.391 | 447,000 | 446,318 | 682 | - | - | - | - | 446,318 |
| FUND 7054 | T-BILL | 524340 | BONY | 101 | BOFAB | 3/19/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.387 | 2.391 | 447,000 | 446,318 | - | - | 682 | - | - | 447,000 |
| FUND 7054 | T-BILL | 524603 | BONY | 101 | DAIWA | 4/11/2019 | 8/8/2019 | 4/11/2019 | Purchased | 2.365 | 2.384 | 450,000 | 446,482 | 3,518 | - | - | - | - | 446,482 |
| FUND 7054 | T-BILL | 524603 | BONY | 101 | DAIWA | 4/11/2019 | 8/8/2019 | 5/16/2019 | Partial Sale | 2.365 | 2.384 | 126,000 | 125,015 | 985 | - | 290 | - | 4 | 125,309 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|--------------------|--------------------|------------------|---------------------|----------------|------------------|---------------|--------------------|
| FUND 7054 | T-BILL | 524972 | BONY | 101 | DAIWA | 4/11/2019 | 8/8/2019 | 6/25/2019 | Partial Sale | 2.365 | 2.384 | 112,000 | 111,124 | 876 | - | 552 | - | 38 | 111,714 |
| FUND 7054 | T-BILL | 525445 | BONY | 101 | RBC | 4/11/2019 | 8/8/2019 | 7/16/2019 | Partial Sale | 2.365 | 2.384 | 3,000 | 2,977 | 23 | - | 19 | - | 1 | 2,996 |
| FUND 7054 | T-BILL | 525658 | BONY | 101 | DAIWA | 4/11/2019 | 8/8/2019 | 8/8/2019 | Matured | 2.365 | 2.384 | 209,000 | 207,366 | - | - | 1,634 | - | - | 209,000 |
| FUND 7054 | FHLB NOTES | 525892 | BONY | 101 | RBC | 8/8/2019 | 10/10/2019 | 8/8/2019 | Purchased | 2 | 2.007 | 210,000 | 209,265 | 735 | - | - | - | - | 209,265 |
| FUND 7054 | FHLB NOTES | 525892 | BONY | 101 | BOFAB | 8/8/2019 | 10/10/2019 | 9/5/2019 | Partial Sale | 2 | 2.007 | 158,000 | 157,447 | 553 | - | 246 | - | 8 | 157,685 |
| FUND 7054 | FHLB NOTES | 526227 | BONY | 101 | RBC | 8/8/2019 | 10/10/2019 | 10/10/2019 | Matured | 2 | 2.007 | 52,000 | 51,818 | - | - | 182 | - | - | 52,000 |
| FUND 7054 | T-BILL | 526631 | BONY | 101 | DAIWA | 10/10/2019 | 1/9/2020 | 10/10/2019 | Purchased | 1.645 | 1.652 | 53,000 | 52,780 | 220 | - | - | - | - | 52,780 |
| FUND 7054 | T-BILL | 526631 | BONY | 101 | BOFAB | 10/10/2019 | 1/9/2020 | 12/12/2019 | Partial Sale | 1.645 | 1.652 | 4,000 | 3,983 | 17 | - | 11 | - | 0 | 3,995 |
| FUND 7054 Total | | | | | | | | | | | | 2,409,000 | 2,398,370 | 7,769 | - | 3,979 | - | 51 | 2,402,384 |
| FUND 7055 | T-NOTE-MID | 524341 | BONY | 114 | DAIWA | 3/19/2019 | 5/15/2019 | 3/19/2019 | Purchased | 0.875 | 2.372 | 11,255,000 | 11,262,355 | 7,355 | 33,734 | - | - | - | 11,262,355 |
| FUND 7055 | T-NOTE-MID | 524342 | BONY | 114 | DAIWA | 3/19/2019 | 11/15/2019 | 3/19/2019 | Purchased | 1 | 2.512 | 50,000,000 | 49,681,036 | 318,964 | 171,271 | - | - | - | 49,681,036 |
| FUND 7055 | T-NOTE-MID | 524343 | BONY | 114 | DAIWA | 3/19/2019 | 11/15/2019 | 3/19/2019 | Purchased | 1 | 2.512 | 50,000,000 | 49,681,036 | 318,964 | 171,271 | - | - | - | 49,681,036 |
| FUND 7055 | T-NOTE-MID | 524341 | BONY | 114 | - | 3/19/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.372 | - | 26,379 | - | - | - | 26,379 | - | - |
| FUND 7055 | T-NOTE-MID | 524342 | BONY | 114 | - | 3/19/2019 | 11/15/2019 | 5/15/2019 | Interest | 1 | 2.512 | - | 54,337 | - | 171,271 | 78,729 | 116,934 | - | 250,000 |
| FUND 7055 | T-NOTE-MID | 524343 | BONY | 114 | - | 3/19/2019 | 11/15/2019 | 5/15/2019 | Interest | 1 | 2.512 | - | 54,337 | - | 171,271 | 78,729 | 116,934 | - | 250,000 |
| FUND 7055 | T-NOTE-MID | 524341 | BONY | 114 | DAIWA | 3/19/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.372 | 11,255,000 | 11,288,734 | - | 33,734 | 15,507 | - | - | 11,304,241 |
| FUND 7055 | T-NOTE-EOM | 524944 | BONY | 114 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 11,766,000 | 11,804,762 | 38,762 | 54,848 | - | - | - | 11,804,762 |
| FUND 7055 | T-NOTE-EOM | 524944 | BONY | 114 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 16,086 | - | - | - | 16,086 | - | - |
| FUND 7055 | T-NOTE-EOM | 524944 | BONY | 114 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 11,766,000 | 11,820,848 | - | 54,848 | 18,689 | - | - | 11,839,538 |
| FUND 7055 | T-NOTE-MID | 525494 | BONY | 114 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 11,732,000 | 11,839,397 | 107,397 | 50,570 | - | - | - | 11,839,397 |
| FUND 7055 | T-NOTE-MID | 525494 | BONY | 114 | - | 7/1/2019 | 11/15/2019 | 8/21/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 10,392 | - | - | - | 10,392 | - | - |
| FUND 7055 | T-NOTE-MID | 525494 | BONY | 114 | BOFAB | 7/1/2019 | 11/15/2019 | 8/21/2019 | Partial Sale | 3.375 | 2.058 | 5,763,000 | 5,805,364 | 42,364 | 24,841 | 26,955 | - | 1,162 | 5,833,481 |
| FUND 7055 | T-NOTE-MID | 524342 | BONY | 114 | - | 3/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.512 | - | 373,300 | - | - | - | 373,300 | - | - |
| FUND 7055 | T-NOTE-MID | 524343 | BONY | 114 | - | 3/19/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.512 | - | 373,300 | - | - | - | 373,300 | - | - |
| FUND 7055 | T-NOTE-MID | 526087 | BONY | 114 | - | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 28,912 | - | - | - | 28,912 | - | - |
| FUND 7055 | T-NOTE-MID | 524342 | BONY | 114 | DAIWA | 3/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.512 | 50,000,000 | 50,000,000 | 171,271 | - | 250,000 | - | - | 50,250,000 |
| FUND 7055 | T-NOTE-MID | 524343 | BONY | 114 | DAIWA | 3/19/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.512 | 50,000,000 | 50,000,000 | 171,271 | - | 250,000 | - | - | 50,250,000 |
| FUND 7055 | T-NOTE-MID | 526087 | BONY | 114 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 5,969,000 | 5,994,729 | - | 25,729 | 74,998 | - | - | 6,069,727 |
| FUND 7055 | T-NOTE-MID | 527026 | BONY | 114 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 50,000,000 | 49,986,328 | 13,672 | - | - | - | - | 49,986,328 |
| FUND 7055 | T-NOTE-MID | 527027 | BONY | 114 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 37,844,000 | 37,833,652 | 10,348 | - | - | - | - | 37,833,652 |
| FUND 7055 Total | | | | | | | | | | | | 357,350,000 | 357,935,286 | 1,200,367 | 963,388 | 793,607 | 1,062,238 | 1,162 | 358,135,553 |
| FUND 7056 | T-BILL | 524325 | BONY | 109 | BOFAB | 3/19/2019 | 3/28/2019 | 3/19/2019 | Purchased | 2.363 | 2.364 | 50,000,000 | 49,970,469 | 29,531 | - | - | - | - | 49,970,469 |
| FUND 7056 | T-BILL | 524326 | BONY | 109 | BOFAB | 3/19/2019 | 3/28/2019 | 3/19/2019 | Purchased | 2.363 | 2.364 | 50,000,000 | 49,970,469 | 29,531 | - | - | - | - | 49,970,469 |
| FUND 7056 | T-BILL | 524327 | BONY | 109 | BOFAB | 3/19/2019 | 4/4/2019 | 3/19/2019 | Purchased | 2.315 | 2.317 | 50,000,000 | 49,948,556 | 51,444 | - | - | - | - | 49,948,556 |
| FUND 7056 | T-BILL | 524328 | BONY | 109 | BOFAB | 3/19/2019 | 4/4/2019 | 3/19/2019 | Purchased | 2.315 | 2.317 | 50,000,000 | 49,948,556 | 51,444 | - | - | - | - | 49,948,556 |
| FUND 7056 | T-BILL | 524329 | BONY | 109 | BOFAB | 3/19/2019 | 4/11/2019 | 3/19/2019 | Purchased | 2.387 | 2.391 | 50,000,000 | 49,923,733 | 76,267 | - | - | - | - | 49,923,733 |
| FUND 7056 | T-BILL | 524330 | BONY | 109 | BOFAB | 3/19/2019 | 4/11/2019 | 3/19/2019 | Purchased | 2.387 | 2.391 | 50,000,000 | 49,923,733 | 76,267 | - | - | - | - | 49,923,733 |
| FUND 7056 | T-BILL | 524331 | BONY | 109 | BOFAB | 3/19/2019 | 4/18/2019 | 3/19/2019 | Purchased | 2.397 | 2.402 | 50,000,000 | 49,900,104 | 99,896 | - | - | - | - | 49,900,104 |
| FUND 7056 | T-BILL | 524332 | BONY | 109 | BOFAB | 3/19/2019 | 4/18/2019 | 3/19/2019 | Purchased | 2.397 | 2.402 | 50,000,000 | 49,900,104 | 99,896 | - | - | - | - | 49,900,104 |
| FUND 7056 | T-BILL | 524333 | BONY | 109 | BOFAB | 3/19/2019 | 4/18/2019 | 3/19/2019 | Purchased | 2.397 | 2.402 | 50,000,000 | 49,900,104 | 99,896 | - | - | - | - | 49,900,104 |
| FUND 7056 | T-BILL | 524334 | BONY | 109 | DAIWA | 3/19/2019 | 4/25/2019 | 3/19/2019 | Purchased | 2.38 | 2.386 | 50,000,000 | 49,877,694 | 122,306 | - | - | - | - | 49,877,694 |
| FUND 7056 | T-BILL | 524335 | BONY | 109 | DAIWA | 3/19/2019 | 4/25/2019 | 3/19/2019 | Purchased | 2.38 | 2.386 | 50,000,000 | 49,877,694 | 122,306 | - | - | - | - | 49,877,694 |
| FUND 7056 | T-BILL | 524336 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 3/19/2019 | Purchased | 2.385 | 2.393 | 50,000,000 | 49,831,063 | 168,938 | - | - | - | - | 49,831,063 |
| FUND 7056 | T-BILL | 524337 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 3/19/2019 | Purchased | 2.385 | 2.393 | 50,000,000 | 49,831,063 | 168,938 | - | - | - | - | 49,831,063 |
| FUND 7056 | T-BILL | 524427 | BONY | 109 | DAIWA | 3/19/2019 | 5/16/2019 | 3/19/2019 | Purchased | 2.39 | 2.399 | 50,000,000 | 49,807,472 | 192,528 | - | - | - | - | 49,807,472 |
| FUND 7056 | T-BILL | 524433 | BONY | 109 | DAIWA | 3/19/2019 | 5/16/2019 | 3/19/2019 | Purchased | 2.39 | 2.399 | 8,230,000 | 8,198,310 | 31,690 | - | - | - | - | 8,198,310 |
| FUND 7056 | T-BILL | 524325 | BONY | 109 | BOFAB | 3/19/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.363 | 2.364 | 50,000,000 | 49,970,469 | - | - | 29,531 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524326 | BONY | 109 | BOFAB | 3/19/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.363 | 2.364 | 50,000,000 | 49,970,469 | - | - | 29,531 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524449 | BONY | 109 | DAIWA | 3/28/2019 | 5/23/2019 | 3/28/2019 | Purchased | 2.36 | 2.369 | 50,000,000 | 49,816,444 | 183,556 | - | - | - | - | 49,816,444 |
| FUND 7056 | T-BILL | 524450 | BONY | 109 | DAIWA | 3/28/2019 | 5/23/2019 | 3/28/2019 | Purchased | 2.36 | 2.369 | 26,858,000 | 26,759,401 | 98,599 | - | - | - | - | 26,759,401 |
| FUND 7056 | T-BILL | 524327 | BONY | 109 | BOFAB | 3/19/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.315 | 2.317 | 50,000,000 | 49,948,556 | - | - | 51,444 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524328 | BONY | 109 | BOFAB | 3/19/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.315 | 2.317 | 50,000,000 | 49,948,556 | - | - | 51,444 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524506 | BONY | 109 | DAIWA | 4/4/2019 | 5/28/2019 | 4/4/2019 | Purchased | 2.375 | 2.383 | 50,000,000 | 49,821,875 | 178,125 | - | - | - | - | 49,821,875 |
| FUND 7056 | T-BILL | 524507 | BONY | 109 | DAIWA | 4/4/2019 | 5/28/2019 | 4/4/2019 | Purchased | 2.375 | 2.383 | 28,019,000 | 27,919,182 | 99,818 | - | - | - | - | 27,919,182 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 7056 | T-BILL | 524329 | BONY | 109 | BOFAB | 3/19/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.387 | 2.391 | 50,000,000 | 49,923,733 | - | - | 76,267 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524330 | BONY | 109 | BOFAB | 3/19/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.387 | 2.391 | 50,000,000 | 49,923,733 | - | - | 76,267 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524604 | BONY | 109 | DAIWA | 4/11/2019 | 6/13/2019 | 4/11/2019 | Purchased | 2.34 | 2.35 | 50,000,000 | 49,795,250 | 204,750 | - | - | - | - | 49,795,250 |
| FUND 7056 | T-BILL | 524605 | BONY | 109 | DAIWA | 4/11/2019 | 6/13/2019 | 4/11/2019 | Purchased | 2.34 | 2.35 | 50,000,000 | 49,795,250 | 204,750 | - | - | - | - | 49,795,250 |
| FUND 7056 | T-BILL | 524606 | BONY | 109 | DAIWA | 4/11/2019 | 6/13/2019 | 4/11/2019 | Purchased | 2.34 | 2.35 | 411,000 | 409,317 | 1,683 | - | - | - | - | 409,317 |
| FUND 7056 | T-BILL | 524331 | BONY | 109 | DAIWA | 3/19/2019 | 4/18/2019 | 4/17/2019 | Final Sale | 2.397 | 2.402 | 50,000,000 | 49,900,104 | 99,896 | - | 96,566 | - | 80 | 49,996,750 |
| FUND 7056 | T-BILL | 524332 | BONY | 109 | DAIWA | 3/19/2019 | 4/18/2019 | 4/17/2019 | Partial Sale | 2.397 | 2.402 | 44,304,000 | 44,215,484 | 88,516 | - | 85,565 | - | 71 | 44,301,120 |
| FUND 7056 | T-BILL | 524333 | BONY | 109 | BOFAB | 3/19/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.397 | 2.402 | 50,000,000 | 49,900,104 | - | - | 99,896 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524666 | BONY | 109 | BOFAB | 3/19/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.397 | 2.402 | 5,696,000 | 5,684,620 | - | - | 11,380 | - | - | 5,696,000 |
| FUND 7056 | T-BILL | 524680 | BONY | 109 | MERIL | 4/18/2019 | 4/23/2019 | 4/18/2019 | Purchased | 2.3 | 2.301 | 5,714,000 | 5,712,175 | 1,825 | - | - | - | - | 5,712,175 |
| FUND 7056 | T-BILL | 524681 | BONY | 109 | MERIL | 4/18/2019 | 4/23/2019 | 4/18/2019 | Purchased | 2.3 | 2.301 | 50,000,000 | 49,984,028 | 15,972 | - | - | - | - | 49,984,028 |
| FUND 7056 | T-BILL | 524334 | BONY | 109 | DAIWA | 3/19/2019 | 4/25/2019 | 4/22/2019 | Final Sale | 2.38 | 2.386 | 50,000,000 | 49,877,694 | 122,306 | - | 112,389 | - | 125 | 49,990,208 |
| FUND 7056 | T-BILL | 524335 | BONY | 109 | DAIWA | 3/19/2019 | 4/25/2019 | 4/22/2019 | Final Sale | 2.38 | 2.386 | 50,000,000 | 49,877,694 | 122,306 | - | 112,389 | - | 125 | 49,990,208 |
| FUND 7056 | T-BILL | 524336 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 4/22/2019 | Partial Sale | 2.385 | 2.393 | 4,152,000 | 4,137,971 | 14,029 | - | 9,352 | - | 10 | 4,147,314 |
| FUND 7056 | T-BILL | 524680 | BONY | 109 | MERIL | 4/18/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.301 | 5,714,000 | 5,712,175 | - | - | 1,825 | - | - | 5,714,000 |
| FUND 7056 | T-BILL | 524681 | BONY | 109 | MERIL | 4/18/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.301 | 50,000,000 | 49,984,028 | - | - | 15,972 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524725 | BONY | 109 | DAIWA | 4/23/2019 | 4/25/2019 | 4/23/2019 | Purchased | 2.25 | 2.25 | 50,000,000 | 49,993,750 | 6,250 | - | - | - | - | 49,993,750 |
| FUND 7056 | T-BILL | 524726 | BONY | 109 | DAIWA | 4/23/2019 | 4/25/2019 | 4/23/2019 | Purchased | 2.25 | 2.25 | 5,721,000 | 5,720,285 | 715 | - | - | - | - | 5,720,285 |
| FUND 7056 | T-BILL | 524725 | BONY | 109 | DAIWA | 4/23/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.25 | 2.25 | 50,000,000 | 49,993,750 | - | - | 6,250 | - | - | 50,000,000 |
| FUND 7056 | T-BILL | 524726 | BONY | 109 | DAIWA | 4/23/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.25 | 2.25 | 5,721,000 | 5,720,285 | - | - | 715 | - | - | 5,721,000 |
| FUND 7056 | T-BILL | 524750 | BONY | 109 | BOFAB | 4/25/2019 | 5/7/2019 | 4/25/2019 | Purchased | 2.365 | 2.367 | 35,130,000 | 35,102,306 | 27,694 | - | - | - | - | 35,102,306 |
| FUND 7056 | T-BILL | 524750 | BONY | 109 | RBC | 4/25/2019 | 5/7/2019 | 4/30/2019 | Partial Sale | 2.365 | 2.367 | 20,830,000 | 20,813,579 | 16,421 | - | 6,842 | - | 142 | 20,820,279 |
| FUND 7056 | T-BILL | 524695 | BONY | 109 | BOFAB | 3/19/2019 | 5/9/2019 | 5/2/2019 | Partial Sale | 2.385 | 2.393 | 31,987,000 | 31,878,924 | 108,076 | - | 93,242 | - | 373 | 31,972,539 |
| FUND 7056 | T-BILL | 524767 | BONY | 109 | BOFAB | 4/25/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.365 | 2.367 | 14,300,000 | 14,288,727 | - | - | 11,273 | - | - | 14,300,000 |
| FUND 7056 | T-BILL | 524833 | BONY | 109 | RBC | 5/7/2019 | 6/13/2019 | 5/7/2019 | Purchased | 2.382 | 2.388 | 14,335,000 | 14,299,906 | 35,094 | - | - | - | - | 14,299,906 |
| FUND 7056 | T-BILL | 524337 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 5/8/2019 | Partial Sale | 2.385 | 2.393 | 49,724,000 | 49,555,995 | 168,005 | - | 164,711 | - | 48 | 49,720,754 |
| FUND 7056 | T-BILL | 524805 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.385 | 2.393 | 13,861,000 | 13,814,167 | - | - | 46,833 | - | - | 13,861,000 |
| FUND 7056 | T-BILL | 524850 | BONY | 109 | DAIWA | 3/19/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.385 | 2.393 | 276,000 | 275,067 | - | - | 933 | - | - | 276,000 |
| FUND 7056 | T-BILL | 524867 | BONY | 109 | DAIWA | 5/9/2019 | 6/4/2019 | 5/9/2019 | Purchased | 2.375 | 2.379 | 14,161,000 | 14,136,710 | 24,290 | - | - | - | - | 14,136,710 |
| FUND 7056 | T-BILL | 524433 | BONY | 109 | MERIL | 3/19/2019 | 5/16/2019 | 5/10/2019 | Final Sale | 2.39 | 2.399 | 8,230,000 | 8,198,310 | 31,690 | - | 28,412 | - | 62 | 8,226,783 |
| FUND 7056 | T-BILL | 524450 | BONY | 109 | MERIL | 3/28/2019 | 5/23/2019 | 5/10/2019 | Final Sale | 2.36 | 2.369 | 26,858,000 | 26,759,401 | 98,599 | - | 75,710 | - | 194 | 26,834,917 |
| FUND 7056 | T-BILL | 524886 | BONY | 109 | MERIL | 3/19/2019 | 5/16/2019 | 5/10/2019 | Final Sale | 2.39 | 2.399 | 50,000,000 | 49,807,472 | 192,528 | - | 172,611 | - | 375 | 49,980,458 |
| FUND 7056 | T-BILL | 524449 | BONY | 109 | MERIL | 3/28/2019 | 5/23/2019 | 5/10/2019 | Partial Sale | 2.36 | 2.369 | 48,653,000 | 48,474,389 | 178,611 | - | 137,147 | - | 351 | 48,611,185 |
| FUND 7056 | T-BILL | 524506 | BONY | 109 | DAIWA | 4/4/2019 | 5/28/2019 | 5/15/2019 | Final Sale | 2.375 | 2.383 | 50,000,000 | 49,821,875 | 178,125 | - | 135,243 | - | 181 | 49,957,299 |
| FUND 7056 | T-BILL | 524507 | BONY | 109 | DAIWA | 4/4/2019 | 5/28/2019 | 5/15/2019 | Partial Sale | 2.375 | 2.383 | 7,384,000 | 7,357,695 | 26,306 | - | 19,973 | - | 27 | 7,377,694 |
| FUND 7056 | T-BILL | 524947 | BONY | 109 | RBC | 4/4/2019 | 5/28/2019 | 5/20/2019 | Partial Sale | 2.375 | 2.383 | 5,611,000 | 5,591,011 | 19,989 | - | 17,028 | - | 100 | 5,608,138 |
| FUND 7056 | T-BILL | 524884 | BONY | 109 | DAIWA | 3/28/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.36 | 2.369 | 1,347,000 | 1,342,055 | - | - | 4,945 | - | - | 1,347,000 |
| FUND 7056 | T-BILL | 525079 | BONY | 109 | DAIWA | 5/23/2019 | 5/28/2019 | 5/23/2019 | Purchased | 2.25 | 2.251 | 1,348,000 | 1,347,579 | 421 | - | - | - | - | 1,347,579 |
| FUND 7056 | T-BILL | 524996 | BONY | 109 | BOFAB | 4/4/2019 | 5/28/2019 | 5/24/2019 | Final Sale | 2.375 | 2.383 | 15,024,000 | 14,970,477 | 53,523 | - | 49,558 | - | 234 | 15,020,269 |
| FUND 7056 | T-BILL | 525079 | BONY | 109 | BOFAB | 5/23/2019 | 5/28/2019 | 5/24/2019 | Final Sale | 2.25 | 2.251 | 1,348,000 | 1,347,579 | 421 | - | 84 | - | 2 | 1,347,665 |
| FUND 7056 | T-BILL | 524833 | BONY | 109 | BOFAB | 5/7/2019 | 6/13/2019 | 5/24/2019 | Partial Sale | 2.382 | 2.388 | 11,754,000 | 11,725,224 | 28,776 | - | 13,221 | - | 993 | 11,739,438 |
| FUND 7056 | T-BILL | 524867 | BONY | 109 | DAIWA | 5/9/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.375 | 2.379 | 14,161,000 | 14,136,710 | - | - | 24,290 | - | - | 14,161,000 |
| FUND 7056 | T-BILL | 525216 | BONY | 109 | DAIWA | 6/4/2019 | 7/9/2019 | 6/4/2019 | Purchased | 2.27 | 2.275 | 14,192,000 | 14,160,679 | 31,321 | - | - | - | - | 14,160,679 |
| FUND 7056 | T-BILL | 524604 | BONY | 109 | RBC | 4/11/2019 | 6/13/2019 | 6/11/2019 | Final Sale | 2.34 | 2.35 | 50,000,000 | 49,795,250 | 204,750 | - | 198,250 | - | 424 | 49,993,924 |
| FUND 7056 | T-BILL | 524605 | BONY | 109 | RBC | 4/11/2019 | 6/13/2019 | 6/11/2019 | Partial Sale | 2.34 | 2.35 | 17,767,000 | 17,694,244 | 72,756 | - | 70,446 | - | 151 | 17,764,841 |
| FUND 7056 | T-BILL | 524606 | BONY | 109 | DAIWA | 4/11/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.34 | 2.35 | 411,000 | 409,317 | - | - | 1,683 | - | - | 411,000 |
| FUND 7056 | T-BILL | 525103 | BONY | 109 | RBC | 5/7/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.382 | 2.388 | 2,581,000 | 2,574,681 | - | - | 6,319 | - | - | 2,581,000 |
| FUND 7056 | T-BILL | 525288 | BONY | 109 | DAIWA | 4/11/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.34 | 2.35 | 32,233,000 | 32,101,006 | - | - | 131,994 | - | - | 32,233,000 |
| FUND 7056 | T-BILL | 525306 | BONY | 109 | DAIWA | 6/13/2019 | 7/9/2019 | 6/13/2019 | Purchased | 2.13 | 2.133 | 13,758,000 | 13,736,836 | 21,164 | - | - | - | - | 13,736,836 |
| FUND 7056 | T-BILL | 525216 | BONY | 109 | BOFAB | 6/4/2019 | 7/9/2019 | 6/18/2019 | Final Sale | 2.27 | 2.275 | 14,192,000 | 14,160,679 | 31,321 | - | 12,528 | - | 1,118 | 14,174,325 |
| FUND 7056 | T-BILL | 525306 | BONY | 109 | BOFAB | 6/13/2019 | 7/9/2019 | 6/18/2019 | Partial Sale | 2.13 | 2.133 | 11,355,000 | 11,337,532 | 17,468 | - | 3,359 | - | 33 | 11,340,858 |
| FUND 7056 | T-BILL | 525384 | BONY | 109 | DAIWA | 6/13/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.13 | 2.133 | 2,403,000 | 2,399,303 | - | - | 3,697 | - | - | 2,403,000 |
| FUND 7056 | T-BILL | 525569 | BONY | 109 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.182 | 2.186 | 2,407,000 | 2,402,914 | 4,086 | - | - | - | - | 2,402,914 |
| FUND 7056 | T-BILL | 525569 | BONY | 109 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.182 | 2.186 | 2,407,000 | 2,402,914 | - | - | 4,086 | - | - | 2,407,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 7056 | T-BILL | 525851 | BONY | 109 | DAIWA | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 2,415,000 | 2,407,374 | 7,626 | - | - | - | - | 2,407,374 |
| FUND 7056 | T-BILL | 525851 | BONY | 109 | DAIWA | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 2,415,000 | 2,407,374 | - | - | 7,626 | - | - | 2,415,000 |
| FUND 7056 | T-BILL | 526524 | BONY | 109 | DAIWA | 10/1/2019 | 1/23/2020 | 10/1/2019 | Purchased | 1.76 | 1.77 | 2,429,000 | 2,415,462 | 13,538 | - | - | - | - | 2,415,462 |
| FUND 7056 Total | | | | | | | | | | | | 2,347,827,000 | 2,342,676,228 | 4,456,570 | - | 2,308,830 | - | 5,216 | 2,344,988,814 |
| FUND 9107 | T-BILL | 523138 | BONY | 55 | RBC | 11/29/2018 | 1/8/2019 | 1/8/2019 | Matured | 2.215 | 2.22 | 20,959,000 | 20,907,418 | - | - | 51,582 | - | - | 20,959,000 |
| FUND 9107 | T-BILL | 523537 | BONY | 55 | MERIL | 1/8/2019 | 1/15/2019 | 1/8/2019 | Purchased | 2.275 | 2.276 | 20,968,000 | 20,958,725 | 9,275 | - | - | - | - | 20,958,725 |
| FUND 9107 | T-BILL | 523537 | BONY | 55 | DAIWA | 1/8/2019 | 1/15/2019 | 1/9/2019 | Partial Sale | 2.275 | 2.276 | 3,455,000 | 3,453,472 | 1,528 | - | 218 | - | 17 | 3,453,673 |
| FUND 9107 | T-BILL | 523478 | BONY | 55 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.31 | 2.314 | 1,586,000 | 1,583,354 | - | - | 2,646 | - | - | 1,586,000 |
| FUND 9107 | T-BILL | 523569 | BONY | 55 | MERIL | 1/8/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.275 | 2.276 | 17,513,000 | 17,505,253 | - | - | 7,747 | - | - | 17,513,000 |
| FUND 9107 | T-BILL | 523637 | BONY | 55 | BOFAB | 1/15/2019 | 1/17/2019 | 1/15/2019 | Purchased | 2.32 | 2.32 | 19,102,000 | 19,099,538 | 2,462 | - | - | - | - | 19,099,538 |
| FUND 9107 | T-BILL | 523637 | BONY | 55 | BOFAB | 1/15/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.32 | 2.32 | 19,102,000 | 19,099,538 | - | - | 2,462 | - | - | 19,102,000 |
| FUND 9107 | T-BILL | 523662 | BONY | 55 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.337 | 2.343 | 12,160,000 | 12,132,366 | 27,634 | - | - | - | - | 12,132,366 |
| FUND 9107 | T-BILL | 523662 | BONY | 55 | DAIWA | 1/17/2019 | 2/21/2019 | 1/29/2019 | Partial Sale | 2.337 | 2.343 | 2,477,000 | 2,471,371 | 5,629 | - | 1,930 | - | 12 | 2,473,313 |
| FUND 9107 | T-BILL | 523779 | BONY | 55 | RBC | 1/17/2019 | 2/21/2019 | 2/7/2019 | Partial Sale | 2.338 | 2.343 | 819,000 | 817,139 | 1,861 | - | 1,117 | - | 5 | 818,260 |
| FUND 9107 | T-BILL | 523920 | BONY | 55 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.338 | 2.343 | 8,864,000 | 8,843,856 | - | - | 20,144 | - | - | 8,864,000 |
| FUND 9107 | T-BILL | 524074 | BONY | 55 | DAIWA | 2/21/2019 | 2/28/2019 | 2/21/2019 | Purchased | 2.305 | 2.306 | 8,788,000 | 8,784,061 | 3,939 | - | - | - | - | 8,784,061 |
| FUND 9107 | T-BILL | 524074 | BONY | 55 | BOFAB | 2/21/2019 | 2/28/2019 | 2/27/2019 | Partial Sale | 2.305 | 2.306 | 9,000 | 8,996 | 4 | - | 3 | - | - | 8,999 |
| FUND 9107 | T-BILL | 524138 | BONY | 55 | DAIWA | 2/21/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.305 | 2.306 | 8,779,000 | 8,775,065 | - | - | 3,935 | - | - | 8,779,000 |
| FUND 9107 | T-BILL | 524149 | BONY | 55 | BOFAB | 2/28/2019 | 3/7/2019 | 2/28/2019 | Purchased | 2.335 | 2.336 | 8,783,000 | 8,779,012 | 3,988 | - | - | - | - | 8,779,012 |
| FUND 9107 | T-BILL | 524149 | BONY | 55 | BOFAB | 2/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.336 | 8,783,000 | 8,779,012 | - | - | 3,988 | - | - | 8,783,000 |
| FUND 9107 | T-BILL | 524221 | BONY | 55 | RBC | 3/7/2019 | 4/9/2019 | 3/7/2019 | Purchased | 2.36 | 2.365 | 8,611,000 | 8,592,372 | 18,628 | - | - | - | - | 8,592,372 |
| FUND 9107 | T-BILL | 524221 | BONY | 55 | BOFAB | 3/7/2019 | 4/9/2019 | 3/21/2019 | Partial Sale | 2.36 | 2.365 | 95,000 | 94,794 | 206 | - | 87 | - | 3 | 94,879 |
| FUND 9107 | T-BILL | 524395 | BONY | 55 | RBC | 3/7/2019 | 4/9/2019 | 3/25/2019 | Partial Sale | 2.36 | 2.365 | 154,000 | 153,667 | 333 | - | 182 | - | 3 | 153,846 |
| FUND 9107 | T-BILL | 524423 | BONY | 55 | MERIL | 3/7/2019 | 4/9/2019 | 4/4/2019 | Partial Sale | 2.36 | 2.365 | 857,000 | 855,146 | 1,854 | - | 1,573 | - | 2 | 856,717 |
| FUND 9107 | T-BILL | 524520 | BONY | 55 | RBC | 3/7/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.365 | 7,505,000 | 7,488,764 | - | - | 16,236 | - | - | 7,505,000 |
| FUND 9107 | COMM PAPER | 524550 | BONY | 55 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.4 | 2.4 | 7,505,000 | 7,504,500 | 500 | - | - | - | - | 7,504,500 |
| FUND 9107 | COMM PAPER | 524550 | BONY | 55 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.4 | 2.4 | 7,505,000 | 7,504,500 | - | - | 500 | - | - | 7,505,000 |
| FUND 9107 | T-BILL | 524569 | BONY | 55 | DAIWA | 4/10/2019 | 5/7/2019 | 4/10/2019 | Purchased | 2.37 | 2.374 | 7,519,000 | 7,505,635 | 13,365 | - | - | - | - | 7,505,635 |
| FUND 9107 | T-BILL | 524569 | BONY | 55 | DAIWA | 4/10/2019 | 5/7/2019 | 4/17/2019 | Partial Sale | 2.37 | 2.374 | 3,992,000 | 3,984,904 | 7,096 | - | 1,840 | - | 11 | 3,986,733 |
| FUND 9107 | T-BILL | 524668 | BONY | 55 | DAIWA | 4/10/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.37 | 2.374 | 3,527,000 | 3,520,731 | - | - | 6,269 | - | - | 3,527,000 |
| FUND 9107 | T-BILL | 524835 | BONY | 55 | RBC | 5/7/2019 | 5/16/2019 | 5/7/2019 | Purchased | 2.327 | 2.328 | 3,529,000 | 3,526,947 | 2,053 | - | - | - | - | 3,526,947 |
| FUND 9107 | T-BILL | 524835 | BONY | 55 | RBC | 5/7/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.327 | 2.328 | 3,529,000 | 3,526,947 | - | - | 2,053 | - | - | 3,529,000 |
| FUND 9107 | T-BILL | 524968 | BONY | 55 | DAIWA | 5/16/2019 | 7/18/2019 | 5/16/2019 | Purchased | 2.345 | 2.355 | 3,544,000 | 3,529,456 | 14,544 | - | - | - | - | 3,529,456 |
| FUND 9107 | T-BILL | 525069 | BONY | 55 | DAIWA | 5/23/2019 | 6/6/2019 | 5/23/2019 | Purchased | 2.24 | 2.242 | 50,000,000 | 49,956,444 | 43,556 | - | - | - | - | 49,956,444 |
| FUND 9107 | T-BILL | 525070 | BONY | 55 | DAIWA | 5/23/2019 | 6/11/2019 | 5/23/2019 | Purchased | 2.24 | 2.243 | 50,000,000 | 49,940,889 | 59,111 | - | - | - | - | 49,940,889 |
| FUND 9107 | T-BILL | 525071 | BONY | 55 | DAIWA | 5/23/2019 | 6/18/2019 | 5/23/2019 | Purchased | 2.301 | 2.305 | 50,000,000 | 49,916,908 | 83,092 | - | - | - | - | 49,916,908 |
| FUND 9107 | T-BILL | 525072 | BONY | 55 | DAIWA | 5/23/2019 | 7/2/2019 | 5/23/2019 | Purchased | 2.29 | 2.296 | 30,312,000 | 30,234,873 | 77,127 | - | - | - | - | 30,234,873 |
| FUND 9107 | T-BILL | 525069 | BONY | 55 | DAIWA | 5/23/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.24 | 2.242 | 50,000,000 | 49,956,444 | - | - | 43,556 | - | - | 50,000,000 |
| FUND 9107 | FFCB DISC | 525243 | BONY | 55 | DAIWA | 6/6/2019 | 7/11/2019 | 6/6/2019 | Purchased | 2.29 | 2.295 | 40,000,000 | 39,910,944 | 89,056 | - | - | - | - | 39,910,944 |
| FUND 9107 | T-BILL | 525244 | BONY | 55 | DAIWA | 6/6/2019 | 7/30/2019 | 6/6/2019 | Purchased | 2.275 | 2.283 | 10,124,000 | 10,089,452 | 34,548 | - | - | - | - | 10,089,452 |
| FUND 9107 | T-BILL | 525070 | BONY | 55 | DAIWA | 5/23/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.24 | 2.243 | 50,000,000 | 49,940,889 | - | - | 59,111 | - | - | 50,000,000 |
| FUND 9107 | T-BILL | 525276 | BONY | 55 | DAIWA | 6/11/2019 | 8/6/2019 | 6/11/2019 | Purchased | 2.262 | 2.27 | 49,463,000 | 49,288,918 | 174,082 | - | - | - | - | 49,288,918 |
| FUND 9107 | T-BILL | 525071 | BONY | 55 | DAIWA | 5/23/2019 | 6/18/2019 | 6/13/2019 | Partial Sale | 2.301 | 2.305 | 551,000 | 550,084 | 916 | - | 740 | - | 10 | 550,834 |
| FUND 9107 | T-BILL | 525323 | BONY | 55 | DAIWA | 5/23/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.301 | 2.305 | 49,449,000 | 49,366,824 | - | - | 82,176 | - | - | 49,449,000 |
| FUND 9107 | T-BILL | 525363 | BONY | 55 | BOFAB | 6/18/2019 | 8/13/2019 | 6/18/2019 | Purchased | 2.161 | 2.168 | 43,692,000 | 43,545,127 | 146,873 | - | - | - | - | 43,545,127 |
| FUND 9107 | T-BILL | 525072 | BONY | 55 | DAIWA | 5/23/2019 | 7/2/2019 | 6/25/2019 | Partial Sale | 2.29 | 2.296 | 5,841,000 | 5,826,138 | 14,862 | - | 12,261 | - | 250 | 5,838,649 |
| FUND 9107 | T-BILL | 525446 | BONY | 55 | CANT | 5/23/2019 | 7/2/2019 | 6/27/2019 | Partial Sale | 2.29 | 2.296 | 2,611,000 | 2,604,356 | 6,644 | - | 5,813 | - | 111 | 2,610,280 |
| FUND 9107 | T-BILL | 525475 | BONY | 55 | DAIWA | 5/23/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.29 | 2.296 | 21,860,000 | 21,804,378 | - | - | 55,622 | - | - | 21,860,000 |
| FUND 9107 | T-BILL | 525501 | BONY | 55 | BOFAB | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.098 | 2.098 | 17,546,000 | 17,538,844 | 7,156 | - | - | - | - | 17,538,844 |
| FUND 9107 | T-BILL | 525276 | BONY | 55 | BOFAB | 6/11/2019 | 8/6/2019 | 7/5/2019 | Partial Sale | 2.262 | 2.27 | 2,350,000 | 2,341,729 | 8,271 | - | 3,545 | - | 131 | 2,345,404 |
| FUND 9107 | T-BILL | 525501 | BONY | 55 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.098 | 2.098 | 17,546,000 | 17,538,844 | - | - | 7,156 | - | - | 17,546,000 |
| FUND 9107 | T-BILL | 525570 | BONY | 55 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.183 | 2.186 | 17,576,000 | 17,546,165 | 29,835 | - | - | - | - | 17,546,165 |
| FUND 9107 | FFCB DISC | 525243 | BONY | 55 | DAIWA | 6/6/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.29 | 2.295 | 40,000,000 | 39,910,944 | - | - | 89,056 | - | - | 40,000,000 |
| FUND 9107 | T-BILL | 525596 | BONY | 55 | DAIWA | 7/11/2019 | 9/3/2019 | 7/11/2019 | Purchased | 2.13 | 2.137 | 37,391,000 | 37,271,536 | 119,464 | - | - | - | - | 37,271,536 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9107 | T-BILL | 525570 | BONY | 55 RBC | | 7/9/2019 | 8/6/2019 | 7/16/2019 | Partial Sale | 2.183 | 2.186 | 4,558,000 | 4,550,263 | 7,737 | - | 1,934 | - | 134 | 4,552,331 |
| FUND 9107 | T-BILL | 525654 | BONY | 55 DAIWA | | 7/16/2019 | 9/10/2019 | 7/16/2019 | Purchased | 2.11 | 2.117 | 123,000 | 122,596 | 404 | - | - | - | - | 122,596 |
| FUND 9107 | T-BILL | 524968 | BONY | 55 DAIWA | | 5/16/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.345 | 2.355 | 3,544,000 | 3,529,456 | - | - | 14,544 | - | - | 3,544,000 |
| FUND 9107 | T-BILL | 525596 | BONY | 55 CANT | | 7/11/2019 | 9/3/2019 | 7/18/2019 | Partial Sale | 2.13 | 2.137 | 2,367,000 | 2,359,437 | 7,563 | - | 980 | - | 155 | 2,360,572 |
| FUND 9107 | T-BILL | 525728 | BONY | 55 DAIWA | | 7/23/2019 | 7/25/2019 | 7/23/2019 | Purchased | 1.92 | 1.92 | 3,719,000 | 3,718,603 | 397 | - | - | - | - | 3,718,603 |
| FUND 9107 | T-BILL | 525728 | BONY | 55 DAIWA | | 7/23/2019 | 7/25/2019 | 7/25/2019 | Matured | 1.92 | 1.92 | 3,719,000 | 3,718,603 | - | - | 397 | - | - | 3,719,000 |
| FUND 9107 | T-BILL | 525244 | BONY | 55 RBC | | 6/6/2019 | 7/30/2019 | 7/25/2019 | Partial Sale | 2.275 | 2.283 | 6,031,000 | 6,010,419 | 20,581 | - | 18,675 | - | 193 | 6,029,287 |
| FUND 9107 | T-BILL | 525771 | BONY | 55 DAIWA | | 6/6/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.275 | 2.283 | 4,093,000 | 4,079,033 | - | - | 13,967 | - | - | 4,093,000 |
| FUND 9107 | T-BILL | 525660 | BONY | 55 CANT | | 7/9/2019 | 8/6/2019 | 7/30/2019 | Partial Sale | 2.182 | 2.186 | 3,602,000 | 3,595,886 | 6,114 | - | 4,586 | - | 142 | 3,600,613 |
| FUND 9107 | T-BILL | 525805 | BONY | 55 DAIWA | | 7/9/2019 | 8/6/2019 | 7/31/2019 | Partial Sale | 2.183 | 2.186 | 1,396,000 | 1,393,630 | 2,370 | - | 1,862 | - | 42 | 1,395,535 |
| FUND 9107 | T-BILL | 525538 | BONY | 55 DAIWA | | 6/11/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.262 | 2.27 | 47,113,000 | 46,947,188 | - | - | 165,812 | - | - | 47,113,000 |
| FUND 9107 | T-BILL | 525815 | BONY | 55 MERIL | | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 8,020,000 | 8,006,386 | - | - | 13,614 | - | - | 8,020,000 |
| FUND 9107 | T-BILL | 525852 | BONY | 55 DAIWA | | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 50,000,000 | 49,842,111 | 157,889 | - | - | - | - | 49,842,111 |
| FUND 9107 | T-BILL | 525853 | BONY | 55 DAIWA | | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 5,308,000 | 5,291,239 | 16,761 | - | - | - | - | 5,291,239 |
| FUND 9107 | T-BILL | 525853 | BONY | 55 BOFAB | | 8/6/2019 | 10/1/2019 | 8/8/2019 | Partial Sale | 2.03 | 2.036 | 4,169,000 | 4,155,835 | 13,165 | - | 470 | - | 188 | 4,156,493 |
| FUND 9107 | T-BILL | 525363 | BONY | 55 BOFAB | | 6/18/2019 | 8/13/2019 | 8/12/2019 | Partial Sale | 2.161 | 2.168 | 3,163,000 | 3,152,367 | 10,633 | - | 10,443 | - | 14 | 3,162,824 |
| FUND 9107 | T-BILL | 525948 | BONY | 55 BOFAB | | 6/18/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.161 | 2.168 | 40,529,000 | 40,392,760 | - | - | 136,240 | - | - | 40,529,000 |
| FUND 9107 | COMM PAPER | 525961 | BONY | 55 MERIL | | 8/13/2019 | 8/15/2019 | 8/13/2019 | Purchased | 2.08 | 2.08 | 40,533,000 | 40,528,316 | 4,684 | - | - | - | - | 40,528,316 |
| FUND 9107 | COMM PAPER | 525961 | BONY | 55 MERIL | | 8/13/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.08 | 2.08 | 40,533,000 | 40,528,316 | - | - | 4,684 | - | - | 40,533,000 |
| FUND 9107 | T-BILL | 526001 | BONY | 55 CANT | | 8/15/2019 | 8/22/2019 | 8/15/2019 | Purchased | 1.82 | 1.821 | 39,888,000 | 39,873,884 | 14,116 | - | - | - | - | 39,873,884 |
| FUND 9107 | T-BILL | 526001 | BONY | 55 DAIWA | | 8/15/2019 | 8/22/2019 | 8/20/2019 | Partial Sale | 1.82 | 1.821 | 9,048,000 | 9,044,798 | 3,202 | - | 2,287 | - | 15 | 9,047,070 |
| FUND 9107 | T-BILL | 526072 | BONY | 55 CANT | | 8/15/2019 | 8/22/2019 | 8/22/2019 | Matured | 1.82 | 1.821 | 30,840,000 | 30,829,086 | - | - | 10,914 | - | - | 30,840,000 |
| FUND 9107 | T-BILL | 526095 | BONY | 55 MERIL | | 8/22/2019 | 9/17/2019 | 8/22/2019 | Purchased | 2 | 2.003 | 29,296,000 | 29,253,684 | 42,316 | - | - | - | - | 29,253,684 |
| FUND 9107 | T-BILL | 525852 | BONY | 55 BOFAB | | 8/6/2019 | 10/1/2019 | 8/29/2019 | Partial Sale | 2.03 | 2.036 | 10,244,000 | 10,211,652 | 32,348 | - | 13,286 | - | 70 | 10,225,008 |
| FUND 9107 | T-BILL | 525693 | BONY | 55 DAIWA | | 7/11/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.13 | 2.137 | 35,024,000 | 34,912,098 | - | - | 111,902 | - | - | 35,024,000 |
| FUND 9107 | T-BILL | 526186 | BONY | 55 BOFAB | | 9/3/2019 | 9/5/2019 | 9/3/2019 | Purchased | 1.36 | 1.36 | 35,026,000 | 35,023,354 | 2,646 | - | - | - | - | 35,023,354 |
| FUND 9107 | T-BILL | 526186 | BONY | 55 BOFAB | | 9/3/2019 | 9/5/2019 | 9/5/2019 | Matured | 1.36 | 1.36 | 35,026,000 | 35,023,354 | - | - | 2,646 | - | - | 35,026,000 |
| FUND 9107 | T-BILL | 526418 | BONY | 55 CANT | | 9/5/2019 | 10/17/2019 | 9/5/2019 | Purchased | 1.95 | 1.954 | 25,893,000 | 25,834,093 | 58,907 | - | - | - | - | 25,834,093 |
| FUND 9107 | T-BILL | 525654 | BONY | 55 DAIWA | | 7/16/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.11 | 2.117 | 123,000 | 122,596 | - | - | 404 | - | - | 123,000 |
| FUND 9107 | T-BILL | 526302 | BONY | 55 BOFAB | | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 123,000 | 122,799 | 201 | - | - | - | - | 122,799 |
| FUND 9107 | T-BILL | 526095 | BONY | 55 BOFAB | | 8/22/2019 | 9/17/2019 | 9/13/2019 | Partial Sale | 2 | 2.003 | 7,702,000 | 7,690,875 | 11,125 | - | 9,414 | - | 34 | 7,700,254 |
| FUND 9107 | T-BILL | 526349 | BONY | 55 MERIL | | 8/22/2019 | 9/17/2019 | 9/17/2019 | Matured | 2 | 2.003 | 21,594,000 | 21,562,809 | - | - | 31,191 | - | - | 21,594,000 |
| FUND 9107 | T-BILL | 526374 | BONY | 55 MERIL | | 9/17/2019 | 9/24/2019 | 9/17/2019 | Purchased | 2.01 | 2.011 | 21,602,000 | 21,593,557 | 8,443 | - | - | - | - | 21,593,557 |
| FUND 9107 | T-BILL | 526418 | BONY | 55 CANT | | 9/5/2019 | 10/17/2019 | 9/19/2019 | Partial Sale | 1.95 | 1.954 | 5,824,000 | 5,810,750 | 13,250 | - | 4,417 | - | 226 | 5,815,393 |
| FUND 9107 | T-BILL | 526374 | BONY | 55 MERIL | | 9/17/2019 | 9/24/2019 | 9/24/2019 | Matured | 2.01 | 2.011 | 21,602,000 | 21,593,557 | - | - | 8,443 | - | - | 21,602,000 |
| FUND 9107 | T-BILL | 526448 | BONY | 55 DAIWA | | 9/24/2019 | 11/19/2019 | 9/24/2019 | Purchased | 1.88 | 1.886 | 18,620,000 | 18,565,547 | 54,453 | - | - | - | - | 18,565,547 |
| FUND 9107 | FHLB NOTES | 526456 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 9107 | FHLB NOTES | 526457 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.81 | 1.81 | 50,000,000 | 49,997,486 | 2,514 | - | - | - | - | 49,997,486 |
| FUND 9107 | FHLB NOTES | 526458 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.81 | 1.81 | 1,480,000 | 1,479,926 | 74 | - | - | - | - | 1,479,926 |
| FUND 9107 | FHLB NOTES | 526456 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 9107 | FHLB NOTES | 526457 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.81 | 1.81 | 50,000,000 | 49,997,486 | - | - | 2,514 | - | - | 50,000,000 |
| FUND 9107 | FHLB NOTES | 526458 | BONY | 55 DAIWA | | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.81 | 1.81 | 1,480,000 | 1,479,926 | - | - | 74 | - | - | 1,480,000 |
| FUND 9107 | T-BILL | 526485 | BONY | 55 CANT | | 9/26/2019 | 10/10/2019 | 9/26/2019 | Purchased | 1.599 | 1.6 | 5,000 | 4,997 | 3 | - | - | - | - | 4,997 |
| FUND 9107 | T-BILL | 526166 | BONY | 55 DAIWA | | 8/6/2019 | 10/1/2019 | 9/30/2019 | Partial Sale | 2.03 | 2.036 | 10,140,000 | 10,107,980 | 32,020 | - | 31,448 | - | 65 | 10,139,493 |
| FUND 9107 | T-BILL | 525908 | BONY | 55 DAIWA | | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 1,139,000 | 1,135,403 | - | - | 3,597 | - | - | 1,139,000 |
| FUND 9107 | T-BILL | 526516 | BONY | 55 DAIWA | | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 29,616,000 | 29,522,479 | - | - | 93,521 | - | - | 29,616,000 |
| FUND 9107 | T-BILL | 526526 | BONY | 55 BOFAB | | 10/1/2019 | 11/5/2019 | 10/1/2019 | Purchased | 1.713 | 1.715 | 30,807,000 | 30,755,708 | 51,292 | - | - | - | - | 30,755,708 |
| FUND 9107 | T-BILL | 526419 | BONY | 55 BOFAB | | 9/5/2019 | 10/17/2019 | 10/3/2019 | Partial Sale | 1.95 | 1.954 | 5,795,000 | 5,781,816 | 13,184 | - | 8,789 | - | 451 | 5,791,056 |
| FUND 9107 | T-BILL | 526577 | BONY | 55 DAIWA | | 9/5/2019 | 10/17/2019 | 10/8/2019 | Partial Sale | 1.95 | 1.954 | 1,167,000 | 1,164,345 | 2,655 | - | 2,086 | - | 67 | 1,166,498 |
| FUND 9107 | T-BILL | 526302 | BONY | 55 BOFAB | | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 123,000 | 122,799 | - | - | 201 | - | - | 123,000 |
| FUND 9107 | T-BILL | 526485 | BONY | 55 CANT | | 9/26/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.599 | 1.6 | 5,000 | 4,997 | - | - | 3 | - | - | 5,000 |
| FUND 9107 | T-BILL | 526612 | BONY | 55 BOFAB | | 9/5/2019 | 10/17/2019 | 10/10/2019 | Partial Sale | 1.95 | 1.954 | 7,028,000 | 7,012,011 | 15,989 | - | 13,324 | - | 451 | 7,025,786 |
| FUND 9107 | T-BILL | 526655 | BONY | 55 BOFAB | | 9/5/2019 | 10/17/2019 | 10/15/2019 | Partial Sale | 1.95 | 1.954 | 2,635,000 | 2,629,005 | 5,995 | - | 5,709 | - | 38 | 2,634,753 |
| FUND 9107 | T-BILL | 526692 | BONY | 55 CANT | | 9/5/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.95 | 1.954 | 3,444,000 | 3,436,165 | - | - | 7,835 | - | - | 3,444,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|--------------|---------------|----------------------|
| FUND 9107 | T-BILL | 526729 | BONY | 55 | DAIWA | 10/17/2019 | 12/10/2019 | 10/17/2019 | Purchased | 1.63 | 1.634 | 3,452,000 | 3,443,560 | 8,440 | - | - | - | - | 3,443,560 |
| FUND 9107 | T-BILL | 526448 | BONY | 55 | BOFAB | 9/24/2019 | 11/19/2019 | 10/24/2019 | Partial Sale | 1.88 | 1.886 | 17,189,000 | 17,138,732 | 50,268 | - | 26,929 | - | 2,204 | 17,167,865 |
| FUND 9107 | T-BILL | 526526 | BONY | 55 | CANT | 10/1/2019 | 11/5/2019 | 10/31/2019 | Partial Sale | 1.713 | 1.715 | 9,096,000 | 9,080,856 | 15,144 | - | 12,981 | - | 193 | 9,094,029 |
| FUND 9107 | T-BILL | 526860 | BONY | 55 | BOFAB | 10/1/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.713 | 1.715 | 21,711,000 | 21,674,853 | - | - | 36,147 | - | - | 21,711,000 |
| FUND 9107 | COMM PAPER | 526894 | BONY | 55 | CANT | 11/5/2019 | 11/7/2019 | 11/5/2019 | Purchased | 1.54 | 1.54 | 21,713,000 | 21,711,142 | 1,858 | - | - | - | - | 21,711,142 |
| FUND 9107 | COMM PAPER | 526894 | BONY | 55 | CANT | 11/5/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.54 | 1.54 | 21,713,000 | 21,711,142 | - | - | 1,858 | - | - | 21,713,000 |
| FUND 9107 | T-BILL | 526921 | BONY | 55 | CANT | 11/7/2019 | 12/19/2019 | 11/7/2019 | Purchased | 1.45 | 1.452 | 14,123,000 | 14,099,109 | 23,891 | - | - | - | - | 14,099,109 |
| FUND 9107 | T-BILL | 526921 | BONY | 55 | DAIWA | 11/7/2019 | 12/19/2019 | 11/14/2019 | Partial Sale | 1.45 | 1.452 | 5,266,000 | 5,257,092 | 8,908 | - | 1,485 | - | - | 5,258,576 |
| FUND 9107 | T-BILL | 526811 | BONY | 55 | DAIWA | 9/24/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.88 | 1.886 | 1,431,000 | 1,426,815 | - | - | 4,185 | - | - | 1,431,000 |
| FUND 9107 | T-BILL | 526729 | BONY | 55 | BOFAB | 10/17/2019 | 12/10/2019 | 11/19/2019 | Partial Sale | 1.63 | 1.634 | 252,000 | 251,384 | 616 | - | 377 | - | 13 | 251,774 |
| FUND 9107 | T-BILL | 527012 | BONY | 55 | CANT | 11/7/2019 | 12/19/2019 | 11/26/2019 | Partial Sale | 1.45 | 1.452 | 6,005,000 | 5,994,842 | 10,158 | - | 4,595 | - | 38 | 5,999,399 |
| FUND 9107 | T-BILL | 527143 | BONY | 55 | DAIWA | 11/26/2019 | 12/3/2019 | 11/26/2019 | Purchased | 1.52 | 1.52 | 2,460,000 | 2,459,273 | 727 | - | - | - | - | 2,459,273 |
| FUND 9107 | T-BILL | 527147 | BONY | 55 | CANT | 11/7/2019 | 12/19/2019 | 11/27/2019 | Partial Sale | 1.45 | 1.452 | 338,000 | 337,428 | 572 | - | 272 | - | 3 | 337,697 |
| FUND 9107 | T-BILL | 527143 | BONY | 55 | DAIWA | 11/26/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.52 | 1.52 | 2,460,000 | 2,459,273 | - | - | 727 | - | - | 2,460,000 |
| FUND 9107 | T-BILL | 527200 | BONY | 55 | CANT | 12/3/2019 | 12/5/2019 | 12/3/2019 | Purchased | 1.39 | 1.39 | 50,000,000 | 49,996,139 | 3,861 | - | - | - | - | 49,996,139 |
| FUND 9107 | T-BILL | 527201 | BONY | 55 | DAIWA | 12/3/2019 | 12/17/2019 | 12/3/2019 | Purchased | 1.5 | 1.501 | 50,000,000 | 49,970,833 | 29,167 | - | - | - | - | 49,970,833 |
| FUND 9107 | T-BILL | 527202 | BONY | 55 | CANT | 12/3/2019 | 12/12/2019 | 12/3/2019 | Purchased | 1.493 | 1.493 | 50,000,000 | 49,981,344 | 18,656 | - | - | - | - | 49,981,344 |
| FUND 9107 | T-BILL | 527203 | BONY | 55 | CANT | 12/3/2019 | 12/19/2019 | 12/3/2019 | Purchased | 1.435 | 1.436 | 50,000,000 | 49,968,111 | 31,889 | - | - | - | - | 49,968,111 |
| FUND 9107 | T-BILL | 527204 | BONY | 55 | CANT | 12/3/2019 | 12/19/2019 | 12/3/2019 | Purchased | 1.435 | 1.436 | 14,895,000 | 14,885,500 | 9,500 | - | - | - | - | 14,885,500 |
| FUND 9107 | T-BILL | 527200 | BONY | 55 | CANT | 12/3/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.39 | 1.39 | 50,000,000 | 49,996,139 | - | - | 3,861 | - | - | 50,000,000 |
| FUND 9107 | T-BILL | 527265 | BONY | 55 | DAIWA | 12/5/2019 | 12/10/2019 | 12/5/2019 | Purchased | 1.48 | 1.48 | 50,000,000 | 49,989,722 | 10,278 | - | - | - | - | 49,989,722 |
| FUND 9107 | T-BILL | 527266 | BONY | 55 | DAIWA | 12/5/2019 | 12/10/2019 | 12/5/2019 | Purchased | 1.483 | 1.484 | 10,000 | 9,998 | 2 | - | - | - | - | 9,998 |
| FUND 9107 | T-BILL | 527265 | BONY | 55 | DAIWA | 12/5/2019 | 12/10/2019 | 12/9/2019 | Partial Sale | 1.48 | 1.48 | 29,176,000 | 29,170,003 | 5,997 | - | 4,798 | - | 32 | 29,174,833 |
| FUND 9107 | T-BILL | 527067 | BONY | 55 | DAIWA | 10/17/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.63 | 1.634 | 3,200,000 | 3,192,176 | - | - | 7,824 | - | - | 3,200,000 |
| FUND 9107 | T-BILL | 527266 | BONY | 55 | DAIWA | 12/5/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.483 | 1.484 | 10,000 | 9,998 | - | - | 2 | - | - | 10,000 |
| FUND 9107 | T-BILL | 527310 | BONY | 55 | DAIWA | 12/5/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.48 | 1.48 | 20,824,000 | 20,819,720 | - | - | 4,280 | - | - | 20,824,000 |
| FUND 9107 | T-BILL | 527326 | BONY | 55 | BOFAB | 12/10/2019 | 1/16/2020 | 12/10/2019 | Purchased | 1.455 | 1.457 | 24,070,000 | 24,034,005 | 35,995 | - | - | - | - | 24,034,005 |
| FUND 9107 | T-BILL | 527202 | BONY | 55 | CANT | 12/3/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.493 | 1.493 | 50,000,000 | 49,981,344 | - | - | 18,656 | - | - | 50,000,000 |
| FUND 9107 | T-BILL | 527373 | BONY | 55 | BOFAB | 12/12/2019 | 1/2/2020 | 12/12/2019 | Purchased | 1.49 | 1.491 | 49,588,000 | 49,544,900 | 43,100 | - | - | - | - | 49,544,900 |
| FUND 9107 | T-BILL | 527201 | BONY | 55 | DAIWA | 12/3/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.5 | 1.501 | 50,000,000 | 49,970,833 | - | - | 29,167 | - | - | 50,000,000 |
| FUND 9107 | T-BILL | 527444 | BONY | 55 | DAIWA | 12/17/2019 | 1/7/2020 | 12/17/2019 | Purchased | 1.52 | 1.521 | 37,248,000 | 37,214,973 | 33,027 | - | - | - | - | 37,214,973 |
| FUND 9107 | T-BILL | 527161 | BONY | 55 | CANT | 11/7/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.45 | 1.452 | 2,514,000 | 2,509,747 | - | - | 4,253 | - | - | 2,514,000 |
| FUND 9107 | T-BILL | 527203 | BONY | 55 | CANT | 12/3/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.435 | 1.436 | 50,000,000 | 49,968,111 | - | - | 31,889 | - | - | 50,000,000 |
| FUND 9107 | T-BILL | 527204 | BONY | 55 | CANT | 12/3/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.435 | 1.436 | 14,895,000 | 14,885,500 | - | - | 9,500 | - | - | 14,895,000 |
| FUND 9107 | T-BILL | 527493 | BONY | 55 | MERIL | 12/19/2019 | 1/16/2020 | 12/19/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,942,056 | 57,944 | - | - | - | - | 49,942,056 |
| FUND 9107 | T-BILL | 527494 | BONY | 55 | MERIL | 12/19/2019 | 1/16/2020 | 12/19/2019 | Purchased | 1.49 | 1.492 | 16,989,000 | 16,969,312 | 19,688 | - | - | - | - | 16,969,312 |
| FUND 9107 | T-BILL | 527444 | BONY | 55 | CANT | 12/17/2019 | 1/7/2020 | 12/26/2019 | Partial Sale | 1.52 | 1.521 | 15,048,000 | 15,034,657 | 13,343 | - | 5,718 | - | 75 | 15,040,451 |
| FUND 9107 | T-BILL | 527598 | BONY | 55 | BOFAB | 12/17/2019 | 1/7/2020 | 12/30/2019 | Partial Sale | 1.52 | 1.521 | 10,297,000 | 10,287,870 | 9,130 | - | 5,652 | - | 23 | 10,293,545 |
| FUND 9107 Total | | | | | | | | | | | | 2,637,163,000 | 2,633,864,201 | 2,067,195 | - | 1,453,429 | - | 5,421 | 2,635,322,796 |
| FUND 9108 | T-BILL | 523410 | BONY | 55 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.32 | 2.324 | 732,000 | 730,773 | - | - | 1,227 | - | - | 732,000 |
| FUND 9108 | T-BILL | 523638 | BONY | 55 | BOFAB | 1/15/2019 | 1/17/2019 | 1/15/2019 | Purchased | 2.32 | 2.32 | 732,000 | 731,906 | 94 | - | - | - | - | 731,906 |
| FUND 9108 | T-BILL | 523638 | BONY | 55 | BOFAB | 1/15/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.32 | 2.32 | 732,000 | 731,906 | - | - | 94 | - | - | 732,000 |
| FUND 9108 | T-BILL | 523663 | BONY | 55 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.338 | 2.343 | 734,000 | 732,332 | 1,668 | - | - | - | - | 732,332 |
| FUND 9108 | T-BILL | 523663 | BONY | 55 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.338 | 2.343 | 734,000 | 732,332 | - | - | 1,668 | - | - | 734,000 |
| FUND 9108 | T-BILL | 524075 | BONY | 55 | DAIWA | 2/21/2019 | 2/28/2019 | 2/21/2019 | Purchased | 2.305 | 2.306 | 734,000 | 733,671 | 329 | - | - | - | - | 733,671 |
| FUND 9108 | T-BILL | 524075 | BONY | 55 | DAIWA | 2/21/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.305 | 2.306 | 734,000 | 733,671 | - | - | 329 | - | - | 734,000 |
| FUND 9108 | T-BILL | 524150 | BONY | 55 | BOFAB | 2/28/2019 | 3/7/2019 | 2/28/2019 | Purchased | 2.335 | 2.336 | 734,000 | 733,667 | 333 | - | - | - | - | 733,667 |
| FUND 9108 | T-BILL | 524150 | BONY | 55 | BOFAB | 2/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.336 | 734,000 | 733,667 | - | - | 333 | - | - | 734,000 |
| FUND 9108 | T-BILL | 524222 | BONY | 55 | RBC | 3/7/2019 | 4/9/2019 | 3/7/2019 | Purchased | 2.36 | 2.365 | 736,000 | 734,408 | 1,592 | - | - | - | - | 734,408 |
| FUND 9108 | T-BILL | 524222 | BONY | 55 | BOFAB | 3/7/2019 | 4/9/2019 | 3/21/2019 | Partial Sale | 2.36 | 2.365 | 100,000 | 99,784 | 216 | - | 92 | - | 3 | 99,872 |
| FUND 9108 | T-BILL | 524396 | BONY | 55 | MERIL | 3/7/2019 | 4/9/2019 | 4/4/2019 | Final Sale | 2.36 | 2.365 | 636,000 | 634,624 | 1,376 | - | 1,167 | - | 2 | 635,793 |
| FUND 9108 Total | | | | | | | | | | | | 8,072,000 | 8,062,740 | 5,609 | - | 4,910 | - | 5 | 8,067,649 |
| FUND 9501 | T-BILL | 523477 | BONY | 56 | DAIWA | 12/20/2018 | 1/15/2019 | 1/9/2019 | Partial Sale | 2.31 | 2.314 | 1,000 | 998 | 2 | - | 1 | - | - | 1,000 |
| FUND 9501 | T-BILL | 523567 | BONY | 56 | DAIWA | 12/20/2018 | 1/15/2019 | 1/15/2019 | Matured | 2.31 | 2.314 | 1,642,000 | 1,639,261 | - | - | 2,739 | - | - | 1,642,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-----------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9501 | T-BILL | 523639 | BONY | 56 | BOFAB | 1/15/2019 | 1/17/2019 | 1/15/2019 | Purchased | 2.32 | 2.32 | 1,642,000 | 1,641,788 | 212 | - | - | - | - | 1,641,788 |
| FUND 9501 | T-BILL | 523639 | BONY | 56 | BOFAB | 1/15/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.32 | 2.32 | 1,642,000 | 1,641,788 | - | - | 212 | - | - | 1,642,000 |
| FUND 9501 | T-BILL | 523664 | BONY | 56 | BOFAB | 1/17/2019 | 2/21/2019 | 1/17/2019 | Purchased | 2.338 | 2.343 | 1,218,000 | 1,215,232 | 2,768 | - | - | - | - | 1,215,232 |
| FUND 9501 | T-BILL | 523664 | BONY | 56 | DAIWA | 1/17/2019 | 2/21/2019 | 1/29/2019 | Partial Sale | 2.338 | 2.343 | 47,000 | 46,893 | 107 | - | 37 | - | 0 | 46,930 |
| FUND 9501 | T-BILL | 523780 | BONY | 56 | BOFAB | 1/17/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.338 | 2.343 | 1,171,000 | 1,168,339 | - | - | 2,661 | - | - | 1,171,000 |
| FUND 9501 | T-BILL | 524076 | BONY | 56 | DAIWA | 2/21/2019 | 2/28/2019 | 2/21/2019 | Purchased | 2.305 | 2.306 | 1,171,000 | 1,170,475 | 525 | - | - | - | - | 1,170,475 |
| FUND 9501 | T-BILL | 524076 | BONY | 56 | BOFAB | 2/21/2019 | 2/28/2019 | 2/27/2019 | Partial Sale | 2.305 | 2.306 | 6,000 | 5,997 | 3 | - | 2 | - | - | 6,000 |
| FUND 9501 | T-BILL | 524139 | BONY | 56 | DAIWA | 2/21/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.305 | 2.306 | 1,165,000 | 1,164,478 | - | - | 522 | - | - | 1,165,000 |
| FUND 9501 | T-BILL | 524151 | BONY | 56 | BOFAB | 2/28/2019 | 3/7/2019 | 2/28/2019 | Purchased | 2.335 | 2.336 | 1,166,000 | 1,165,471 | 529 | - | - | - | - | 1,165,471 |
| FUND 9501 | T-BILL | 524151 | BONY | 56 | MERIL | 2/28/2019 | 3/7/2019 | 3/4/2019 | Partial Sale | 2.335 | 2.336 | 25,000 | 24,989 | 11 | - | 6 | - | 0 | 24,995 |
| FUND 9501 | T-BILL | 524182 | BONY | 56 | BOFAB | 2/28/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.335 | 2.336 | 1,141,000 | 1,140,482 | - | - | 518 | - | - | 1,141,000 |
| FUND 9501 | T-BILL | 524223 | BONY | 56 | RBC | 3/7/2019 | 4/9/2019 | 3/7/2019 | Purchased | 2.36 | 2.365 | 1,143,000 | 1,140,527 | 2,473 | - | - | - | - | 1,140,527 |
| FUND 9501 | T-BILL | 524223 | BONY | 56 | BOFAB | 3/7/2019 | 4/9/2019 | 3/21/2019 | Partial Sale | 2.36 | 2.365 | 92,000 | 91,801 | 199 | - | 84 | - | 3 | 91,883 |
| FUND 9501 | T-BILL | 524619 | BONY | 56 | BOFAB | 3/7/2019 | 4/9/2019 | 4/4/2019 | Partial Sale | 2.36 | 2.365 | 36,000 | 35,922 | 78 | - | 66 | - | 0 | 35,988 |
| FUND 9501 | T-BILL | 524620 | BONY | 56 | RBC | 3/7/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.36 | 2.365 | 1,015,000 | 1,012,804 | - | - | 2,196 | - | - | 1,015,000 |
| FUND 9501 | COMM PAPER | 524547 | BONY | 56 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.43 | 2.43 | 1,015,000 | 1,014,931 | 69 | - | - | - | - | 1,014,931 |
| FUND 9501 | COMM PAPER | 524547 | BONY | 56 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.43 | 2.43 | 1,015,000 | 1,014,931 | - | - | 69 | - | - | 1,015,000 |
| FUND 9501 | T-BILL | 524570 | BONY | 56 | DAIWA | 4/10/2019 | 5/7/2019 | 4/10/2019 | Purchased | 2.37 | 2.374 | 1,002,000 | 1,000,219 | 1,781 | - | - | - | - | 1,000,219 |
| FUND 9501 | T-BILL | 524570 | BONY | 56 | DAIWA | 4/10/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.37 | 2.374 | 1,002,000 | 1,000,219 | - | - | 1,781 | - | - | 1,002,000 |
| FUND 9501 | T-BILL | 524836 | BONY | 56 | RBC | 5/7/2019 | 5/16/2019 | 5/7/2019 | Purchased | 2.327 | 2.328 | 1,003,000 | 1,002,417 | 584 | - | - | - | - | 1,002,417 |
| FUND 9501 | T-BILL | 524836 | BONY | 56 | RBC | 5/7/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.327 | 2.328 | 1,003,000 | 1,002,417 | - | - | 584 | - | - | 1,003,000 |
| FUND 9501 | T-BILL | 524969 | BONY | 56 | DAIWA | 5/16/2019 | 7/18/2019 | 5/16/2019 | Purchased | 2.345 | 2.355 | 994,000 | 989,921 | 4,079 | - | - | - | - | 989,921 |
| FUND 9501 | T-BILL | 524969 | BONY | 56 | DAIWA | 5/16/2019 | 7/18/2019 | 5/20/2019 | Partial Sale | 2.345 | 2.355 | 157,000 | 156,356 | 644 | - | 41 | - | 4 | 156,400 |
| FUND 9501 | T-BILL | 525073 | BONY | 56 | DAIWA | 5/23/2019 | 7/2/2019 | 5/23/2019 | Purchased | 2.29 | 2.296 | 481,000 | 479,776 | 1,224 | - | - | - | - | 479,776 |
| FUND 9501 | T-BILL | 525073 | BONY | 56 | DAIWA | 5/23/2019 | 7/2/2019 | 6/25/2019 | Partial Sale | 2.29 | 2.296 | 18,000 | 17,954 | 46 | - | 38 | - | 1 | 17,993 |
| FUND 9501 | T-BILL | 525447 | BONY | 56 | CANT | 5/23/2019 | 7/2/2019 | 6/27/2019 | Partial Sale | 2.29 | 2.296 | 37,000 | 36,906 | 94 | - | 82 | - | 2 | 36,990 |
| FUND 9501 | T-BILL | 525476 | BONY | 56 | DAIWA | 5/23/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.29 | 2.296 | 426,000 | 424,916 | - | - | 1,084 | - | - | 426,000 |
| FUND 9501 | T-BILL | 525502 | BONY | 56 | BOFAB | 7/2/2019 | 7/9/2019 | 7/2/2019 | Purchased | 2.097 | 2.098 | 426,000 | 425,826 | 174 | - | - | - | - | 425,826 |
| FUND 9501 | T-BILL | 525502 | BONY | 56 | BOFAB | 7/2/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.097 | 2.098 | 426,000 | 425,826 | - | - | 174 | - | - | 426,000 |
| FUND 9501 | T-BILL | 525571 | BONY | 56 | MERIL | 7/9/2019 | 8/6/2019 | 7/9/2019 | Purchased | 2.182 | 2.186 | 427,000 | 426,275 | 725 | - | - | - | - | 426,275 |
| FUND 9501 | T-BILL | 525571 | BONY | 56 | RBC | 7/9/2019 | 8/6/2019 | 7/16/2019 | Partial Sale | 2.182 | 2.186 | 35,000 | 34,941 | 59 | - | 15 | - | 1 | 34,956 |
| FUND 9501 | T-BILL | 525001 | BONY | 56 | DAIWA | 5/16/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.345 | 2.355 | 837,000 | 833,565 | - | - | 3,435 | - | - | 837,000 |
| FUND 9501 | T-BILL | 525685 | BONY | 56 | BOFAB | 7/18/2019 | 9/10/2019 | 7/18/2019 | Purchased | 2.075 | 2.081 | 837,000 | 834,395 | 2,605 | - | - | - | - | 834,395 |
| FUND 9501 | T-BILL | 525661 | BONY | 56 | CANT | 7/9/2019 | 8/6/2019 | 7/30/2019 | Partial Sale | 2.183 | 2.186 | 99,000 | 98,832 | 168 | - | 126 | - | 4 | 98,962 |
| FUND 9501 | T-BILL | 525804 | BONY | 56 | MERIL | 7/9/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.183 | 2.186 | 293,000 | 292,503 | - | - | 497 | - | - | 293,000 |
| FUND 9501 | T-BILL | 525854 | BONY | 56 | DAIWA | 8/6/2019 | 10/1/2019 | 8/6/2019 | Purchased | 2.03 | 2.036 | 294,000 | 293,072 | 928 | - | - | - | - | 293,072 |
| FUND 9501 | T-BILL | 525854 | BONY | 56 | BOFAB | 8/6/2019 | 10/1/2019 | 8/8/2019 | Partial Sale | 2.03 | 2.036 | 71,000 | 70,776 | 224 | - | 8 | - | 3 | 70,787 |
| FUND 9501 | T-BILL | 525685 | BONY | 56 | BOFAB | 7/18/2019 | 9/10/2019 | 9/5/2019 | Partial Sale | 2.075 | 2.081 | 106,000 | 105,670 | 330 | - | 299 | - | 1 | 105,970 |
| FUND 9501 | T-BILL | 526226 | BONY | 56 | BOFAB | 7/18/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.075 | 2.081 | 731,000 | 728,725 | - | - | 2,275 | - | - | 731,000 |
| FUND 9501 | T-BILL | 526303 | BONY | 56 | BOFAB | 9/10/2019 | 10/10/2019 | 9/10/2019 | Purchased | 1.965 | 1.968 | 732,000 | 730,801 | 1,199 | - | - | - | - | 730,801 |
| FUND 9501 | T-BILL | 526459 | BONY | 56 | BOFAB | 9/25/2019 | 10/10/2019 | 9/25/2019 | Purchased | 1.78 | 1.781 | 470,000 | 469,651 | 349 | - | - | - | - | 469,651 |
| FUND 9501 | T-BILL | 525909 | BONY | 56 | DAIWA | 8/6/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.03 | 2.036 | 223,000 | 222,296 | - | - | 704 | - | - | 223,000 |
| FUND 9501 | T-BILL | 526527 | BONY | 56 | BOFAB | 10/1/2019 | 11/5/2019 | 10/1/2019 | Purchased | 1.712 | 1.715 | 224,000 | 223,627 | 373 | - | - | - | - | 223,627 |
| FUND 9501 | T-BILL | 526303 | BONY | 56 | BOFAB | 9/10/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.965 | 1.968 | 732,000 | 730,801 | - | - | 1,199 | - | - | 732,000 |
| FUND 9501 | T-BILL | 526459 | BONY | 56 | BOFAB | 9/25/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.78 | 1.781 | 470,000 | 469,651 | - | - | 349 | - | - | 470,000 |
| FUND 9501 | T-BILL | 526629 | BONY | 56 | DAIWA | 10/10/2019 | 1/9/2020 | 10/10/2019 | Purchased | 1.645 | 1.652 | 1,207,000 | 1,201,981 | 5,019 | - | - | - | - | 1,201,981 |
| FUND 9501 | T-BILL | 526527 | BONY | 56 | BOFAB | 10/1/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.712 | 1.715 | 224,000 | 223,627 | - | - | 373 | - | - | 224,000 |
| FUND 9501 | T-BILL | 526902 | BONY | 56 | DAIWA | 11/5/2019 | 1/9/2020 | 11/5/2019 | Purchased | 1.495 | 1.499 | 224,000 | 223,395 | 605 | - | - | - | - | 223,395 |
| FUND 9501 | T-BILL | 526629 | BONY | 56 | MERIL | 10/10/2019 | 1/9/2020 | 11/27/2019 | Partial Sale | 1.645 | 1.652 | 62,000 | 61,742 | 258 | - | 136 | - | 7 | 61,885 |
| FUND 9501 | T-BILL | 527160 | BONY | 56 | DAIWA | 10/10/2019 | 1/9/2020 | 12/3/2019 | Partial Sale | 1.645 | 1.652 | 357,000 | 355,516 | 1,484 | - | 881 | - | 44 | 356,440 |
| FUND 9501 | T-BILL | 527205 | BONY | 56 | DAIWA | 12/3/2019 | 3/12/2020 | 12/3/2019 | Purchased | 1.52 | 1.526 | 576,000 | 573,568 | 2,432 | - | - | - | - | 573,568 |
| FUND 9501 | T-BILL | 526902 | BONY | 56 | DAIWA | 11/5/2019 | 1/9/2020 | 12/9/2019 | Partial Sale | 1.495 | 1.499 | 191,000 | 190,484 | 516 | - | 270 | - | 7 | 190,762 |
| FUND 9501 | T-BILL | 527215 | BONY | 56 | BOFAB | 10/10/2019 | 1/9/2020 | 12/12/2019 | Partial Sale | 1.645 | 1.652 | 25,000 | 24,896 | 104 | - | 72 | - | 3 | 24,971 |
| FUND 9501 | T-BILL | 527312 | BONY | 56 | BOFAB | 11/5/2019 | 1/9/2020 | 12/26/2019 | Partial Sale | 1.495 | 1.499 | 8,000 | 7,978 | 22 | - | 17 | - | 0 | 7,995 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|-------------------|-------------------|---------------|---------------------|---------------|--------------|---------------|-------------------|
| FUND 9501 | T-BILL | 527390 | BONY | 56 | BOFAB | 10/10/2019 | 1/9/2020 | 12/30/2019 | Partial Sale | 1.645 | 1.652 | 142,000 | 141,410 | 590 | - | 526 | - | 6 | 141,941 |
| FUND 9501 Total | | | | | | | | | | | | 32,925,000 | 32,870,040 | 33,590 | - | 24,078 | - | 86 | 32,894,198 |
| FUND 9502 | T-BILL | 523109 | BONY | 57 | RBC | 11/27/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.21 | 2.215 | 4,288,000 | 4,278,521 | - | - | 9,479 | - | - | 4,288,000 |
| FUND 9502 | T-BILL | 523132 | BONY | 57 | RBC | 11/20/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.247 | 2.254 | 28,953,000 | 28,875,275 | - | - | 77,725 | - | - | 28,953,000 |
| FUND 9502 | T-BILL | 523167 | BONY | 57 | DAIWA | 12/3/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.23 | 2.234 | 34,266,000 | 34,202,322 | - | - | 63,678 | - | - | 34,266,000 |
| FUND 9502 | T-BILL | 523419 | BONY | 57 | DAIWA | 12/21/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.295 | 2.297 | 39,499,000 | 39,468,783 | - | - | 30,217 | - | - | 39,499,000 |
| FUND 9502 | FHLB NOTES | 523500 | BONY | 57 | DAIWA | 1/2/2019 | 2/1/2019 | 1/2/2019 | Purchased | 2.405 | 2.41 | 10,000,000 | 9,979,958 | 20,042 | - | - | - | - | 9,979,958 |
| FUND 9502 | T-BILL | 523501 | BONY | 57 | DAIWA | 1/2/2019 | 1/22/2019 | 1/2/2019 | Purchased | 2.28 | 2.283 | 48,703,000 | 48,641,310 | 61,690 | - | - | - | - | 48,641,310 |
| FUND 9502 | T-BILL | 523501 | BONY | 57 | RBC | 1/2/2019 | 1/22/2019 | 1/8/2019 | Partial Sale | 2.28 | 2.283 | 15,000 | 14,981 | 19 | - | 6 | - | 0 | 14,987 |
| FUND 9502 | T-BILL | 523550 | BONY | 57 | DAIWA | 1/2/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.28 | 2.283 | 48,688,000 | 48,626,329 | - | - | 61,671 | - | - | 48,688,000 |
| FUND 9502 | T-BILL | 523706 | BONY | 57 | DAIWA | 1/22/2019 | 2/12/2019 | 1/22/2019 | Purchased | 2.31 | 2.313 | 48,754,000 | 48,688,304 | 65,696 | - | - | - | - | 48,688,304 |
| FUND 9502 | T-BILL | 523784 | BONY | 57 | BOFAB | 1/30/2019 | 2/5/2019 | 1/30/2019 | Purchased | 2.31 | 2.311 | 50,000,000 | 49,980,750 | 19,250 | - | - | - | - | 49,980,750 |
| FUND 9502 | T-BILL | 523785 | BONY | 57 | BOFAB | 1/30/2019 | 2/5/2019 | 1/30/2019 | Purchased | 2.31 | 2.311 | 614,000 | 613,764 | 236 | - | - | - | - | 613,764 |
| FUND 9502 | FHLB NOTES | 523500 | BONY | 57 | DAIWA | 1/2/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.405 | 2.41 | 10,000,000 | 9,979,958 | - | - | 20,042 | - | - | 10,000,000 |
| FUND 9502 | T-BILL | 523811 | BONY | 57 | BOFAB | 2/1/2019 | 3/5/2019 | 2/1/2019 | Purchased | 2.345 | 2.35 | 7,105,000 | 7,090,190 | 14,810 | - | - | - | - | 7,090,190 |
| FUND 9502 | T-BILL | 523821 | BONY | 57 | RBC | 2/1/2019 | 3/5/2019 | 2/1/2019 | Purchased | 2.35 | 2.355 | 55,000 | 54,885 | 115 | - | - | - | - | 54,885 |
| FUND 9502 | T-BILL | 523784 | BONY | 57 | BOFAB | 1/30/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.31 | 2.311 | 50,000,000 | 49,980,750 | - | - | 19,250 | - | - | 50,000,000 |
| FUND 9502 | T-BILL | 523785 | BONY | 57 | BOFAB | 1/30/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.31 | 2.311 | 614,000 | 613,764 | - | - | 236 | - | - | 614,000 |
| FUND 9502 | FHLB NOTES | 523845 | BONY | 57 | RBC | 2/5/2019 | 4/1/2019 | 2/5/2019 | Purchased | 2.385 | 2.394 | 50,000,000 | 49,817,813 | 182,188 | - | - | - | - | 49,817,813 |
| FUND 9502 | FHLB NOTES | 523846 | BONY | 57 | RBC | 2/5/2019 | 4/1/2019 | 2/5/2019 | Purchased | 2.385 | 2.394 | 799,000 | 796,089 | 2,911 | - | - | - | - | 796,089 |
| FUND 9502 | T-BILL | 523706 | BONY | 57 | DAIWA | 1/22/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.31 | 2.313 | 48,754,000 | 48,688,304 | - | - | 65,696 | - | - | 48,754,000 |
| FUND 9502 | T-BILL | 523958 | BONY | 57 | DAIWA | 2/12/2019 | 3/1/2019 | 2/12/2019 | Purchased | 2.385 | 2.388 | 48,809,000 | 48,754,029 | 54,971 | - | - | - | - | 48,754,029 |
| FUND 9502 | T-NOTE-MID | 524143 | BONY | 57 | RBC | 2/28/2019 | 5/15/2019 | 2/28/2019 | Purchased | 0.875 | 2.354 | 43,978,000 | 43,953,902 | 24,098 | 111,615 | - | - | - | 43,953,902 |
| FUND 9502 | T-BILL | 523958 | BONY | 57 | DAIWA | 2/12/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.385 | 2.388 | 48,809,000 | 48,754,029 | - | - | 54,971 | - | - | 48,809,000 |
| FUND 9502 | T-BILL | 524163 | BONY | 57 | DAIWA | 3/1/2019 | 4/11/2019 | 3/1/2019 | Purchased | 2.39 | 2.397 | 45,842,000 | 45,717,221 | 124,779 | - | - | - | - | 45,717,221 |
| FUND 9502 | T-NOTE-MID | 524171 | BONY | 57 | RBC | 3/1/2019 | 5/15/2019 | 3/1/2019 | Purchased | 0.875 | 2.317 | 95,000 | 94,961 | 39 | 243 | - | - | - | 94,961 |
| FUND 9502 | T-BILL | 523811 | BONY | 57 | BOFAB | 2/1/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.345 | 2.35 | 7,105,000 | 7,090,190 | - | - | 14,810 | - | - | 7,105,000 |
| FUND 9502 | T-BILL | 523821 | BONY | 57 | RBC | 2/1/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.35 | 2.355 | 55,000 | 54,885 | - | - | 115 | - | - | 55,000 |
| FUND 9502 | FNMA NOTES | 524186 | BONY | 57 | RBC | 3/5/2019 | 5/1/2019 | 3/5/2019 | Purchased | 2.375 | 2.384 | 7,187,000 | 7,159,974 | 27,026 | - | - | - | - | 7,159,974 |
| FUND 9502 | T-NOTE-MID | 524411 | BONY | 57 | DAIWA | 3/22/2019 | 5/15/2019 | 3/22/2019 | Purchased | 0.875 | 2.349 | 45,919,000 | 45,959,512 | 40,512 | 140,960 | - | - | - | 45,959,512 |
| FUND 9502 | FHLB NOTES | 523845 | BONY | 57 | RBC | 2/5/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.385 | 2.394 | 50,000,000 | 49,817,813 | - | - | 182,188 | - | - | 50,000,000 |
| FUND 9502 | FHLB NOTES | 523846 | BONY | 57 | RBC | 2/5/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.385 | 2.394 | 799,000 | 796,089 | - | - | 2,911 | - | - | 799,000 |
| FUND 9502 | FNMA NOTES | 524475 | BONY | 57 | DAIWA | 4/1/2019 | 5/15/2019 | 4/1/2019 | Purchased | 2.37 | 2.377 | 47,837,000 | 47,698,432 | 138,568 | - | - | - | - | 47,698,432 |
| FUND 9502 | T-BILL | 524163 | BONY | 57 | DAIWA | 3/1/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.39 | 2.397 | 45,842,000 | 45,717,221 | - | - | 124,779 | - | - | 45,842,000 |
| FUND 9502 | T-NOTE-MID | 524586 | BONY | 57 | DAIWA | 4/11/2019 | 5/15/2019 | 4/11/2019 | Purchased | 0.875 | 2.169 | 45,735,000 | 45,842,122 | 107,122 | 162,505 | - | - | - | 45,842,122 |
| FUND 9502 | T-NOTE-MID | 524143 | BONY | 57 | - | 2/28/2019 | 5/15/2019 | 4/22/2019 | Amort/(Accr) | 0.875 | 2.354 | - | 49 | - | - | - | 49 | - | - |
| FUND 9502 | T-NOTE-MID | 524143 | BONY | 57 | RBC | 2/28/2019 | 5/15/2019 | 4/22/2019 | Partial Sale | 0.875 | 2.354 | 23,000 | 23,037 | 37 | 58 | 29 | - | 2 | 23,064 |
| FUND 9502 | T-NOTE-MID | 524702 | BONY | 57 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 50,000,000 | 50,155,052 | 155,052 | 192,162 | - | - | - | 50,155,052 |
| FUND 9502 | T-NOTE-MID | 524703 | BONY | 57 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 20,422,000 | 20,485,330 | 63,330 | 78,486 | - | - | - | 20,485,330 |
| FUND 9502 | FNMA NOTES | 524186 | BONY | 57 | RBC | 3/5/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.375 | 2.384 | 7,187,000 | 7,159,974 | - | - | 27,026 | - | - | 7,187,000 |
| FUND 9502 | T-NOTE-MID | 524790 | BONY | 57 | DAIWA | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 3.125 | 1.893 | 3,719,000 | 3,774,358 | 55,358 | 53,615 | - | - | - | 3,774,358 |
| FUND 9502 | T-NOTE-MID | 524171 | BONY | 57 | - | 3/1/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.317 | - | 282 | - | - | - | 282 | - | - |
| FUND 9502 | T-NOTE-MID | 524411 | BONY | 57 | - | 3/22/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.349 | - | 100,448 | - | - | - | 100,448 | - | - |
| FUND 9502 | T-NOTE-MID | 524586 | BONY | 57 | - | 4/11/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.169 | - | 55,382 | - | - | - | 55,382 | - | - |
| FUND 9502 | T-NOTE-MID | 524698 | BONY | 57 | - | 2/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.354 | - | 135,642 | - | - | - | 135,642 | - | - |
| FUND 9502 | T-NOTE-MID | 524702 | BONY | 57 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 37,109 | - | - | - | 37,109 | - | - |
| FUND 9502 | T-NOTE-MID | 524703 | BONY | 57 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 15,157 | - | - | - | 15,157 | - | - |
| FUND 9502 | T-NOTE-MID | 524790 | BONY | 57 | - | 5/1/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 1.893 | - | 1,743 | - | - | - | 1,743 | - | - |
| FUND 9502 | T-NOTE-MID | 524171 | BONY | 57 | RBC | 3/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.317 | 95,000 | 95,243 | - | 243 | 172 | - | - | 95,416 |
| FUND 9502 | T-NOTE-MID | 524411 | BONY | 57 | DAIWA | 3/22/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.349 | 45,919,000 | 46,059,960 | - | 140,960 | 59,936 | - | - | 46,119,896 |
| FUND 9502 | FNMA NOTES | 524475 | BONY | 57 | DAIWA | 4/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.37 | 2.377 | 47,837,000 | 47,698,432 | - | - | 138,568 | - | - | 47,837,000 |
| FUND 9502 | T-NOTE-MID | 524586 | BONY | 57 | DAIWA | 4/11/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.169 | 45,735,000 | 45,897,505 | - | 162,505 | 37,586 | - | - | 45,935,091 |
| FUND 9502 | T-NOTE-MID | 524698 | BONY | 57 | RBC | 2/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.354 | 43,955,000 | 44,066,557 | - | 111,557 | 80,746 | - | - | 44,147,303 |
| FUND 9502 | T-NOTE-MID | 524702 | BONY | 57 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 50,000,000 | 50,192,162 | - | 192,162 | 26,588 | - | - | 50,218,750 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9502 | T-NOTE-MID | 524703 | BONY | 57 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 20,422,000 | 20,500,486 | - | 78,486 | 10,860 | - | - | 20,511,346 |
| FUND 9502 | T-NOTE-MID | 524790 | BONY | 57 | DAIWA | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 1.893 | 3,719,000 | 3,772,615 | - | 53,615 | 4,495 | - | - | 3,777,109 |
| FUND 9502 | T-NOTE-MID | 524937 | BONY | 57 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 9502 | T-NOTE-MID | 524938 | BONY | 57 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 50,000,000 | 50,232,422 | 232,422 | - | - | - | - | 50,232,422 |
| FUND 9502 | T-NOTE-EOM | 524939 | BONY | 57 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 20,668,000 | 20,736,089 | 68,089 | 96,346 | - | - | - | 20,736,089 |
| FUND 9502 | T-BILL | 525106 | BONY | 57 | BOFAB | 5/28/2019 | 6/4/2019 | 5/28/2019 | Purchased | 2.26 | 2.261 | 23,571,000 | 23,560,642 | 10,358 | - | - | - | - | 23,560,642 |
| FUND 9502 | T-BILL | 525106 | BONY | 57 | BOFAB | 5/28/2019 | 6/4/2019 | 6/3/2019 | Partial Sale | 2.26 | 2.261 | 3,390,000 | 3,388,510 | 1,490 | - | 1,277 | - | 4 | 3,389,783 |
| FUND 9502 | T-BILL | 525183 | BONY | 57 | BOFAB | 5/28/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.26 | 2.261 | 20,181,000 | 20,172,132 | - | - | 8,868 | - | - | 20,181,000 |
| FUND 9502 | T-BILL | 525195 | BONY | 57 | BOFAB | 6/4/2019 | 8/1/2019 | 6/4/2019 | Purchased | 2.28 | 2.288 | 20,255,000 | 20,180,597 | 74,403 | - | - | - | - | 20,180,597 |
| FUND 9502 | T-BILL | 525440 | BONY | 57 | DAIWA | 6/25/2019 | 8/1/2019 | 6/25/2019 | Purchased | 2 | 2.004 | 45,440,000 | 45,346,596 | 93,404 | - | - | - | - | 45,346,596 |
| FUND 9502 | T-NOTE-EOM | 524939 | BONY | 57 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 28,257 | - | - | - | 28,257 | - | - |
| FUND 9502 | T-NOTE-EOM | 524939 | BONY | 57 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 20,668,000 | 20,764,346 | - | 96,346 | 32,829 | - | - | 20,797,175 |
| FUND 9502 | T-NOTE-MID | 525491 | BONY | 57 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 15,702,000 | 15,845,739 | 143,739 | 67,683 | - | - | - | 15,845,739 |
| FUND 9502 | T-NOTE-MID | 525731 | BONY | 57 | MERIL | 7/24/2019 | 11/15/2019 | 7/24/2019 | Purchased | 1 | 2.041 | 47,744,000 | 47,681,887 | 62,113 | 90,817 | - | - | - | 47,681,887 |
| FUND 9502 | T-BILL | 525195 | BONY | 57 | BOFAB | 6/4/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.28 | 2.288 | 20,255,000 | 20,180,597 | - | - | 74,403 | - | - | 20,255,000 |
| FUND 9502 | T-BILL | 525440 | BONY | 57 | DAIWA | 6/25/2019 | 8/1/2019 | 8/1/2019 | Matured | 2 | 2.004 | 45,440,000 | 45,346,596 | - | - | 93,404 | - | - | 45,440,000 |
| FUND 9502 | T-NOTE-MID | 525821 | BONY | 57 | DAIWA | 8/1/2019 | 11/15/2019 | 8/1/2019 | Purchased | 3.375 | 2.055 | 50,000,000 | 50,545,177 | 545,177 | 357,677 | - | - | - | 50,545,177 |
| FUND 9502 | T-NOTE-MID | 525822 | BONY | 57 | DAIWA | 8/1/2019 | 11/15/2019 | 8/1/2019 | Purchased | 3.375 | 2.055 | 11,976,000 | 12,106,581 | 130,581 | 85,671 | - | - | - | 12,106,581 |
| FUND 9502 | T-NOTE-MID | 526052 | BONY | 57 | RBC | 8/20/2019 | 11/15/2019 | 8/20/2019 | Purchased | 1 | 1.846 | 46,598,000 | 46,627,994 | 29,994 | 122,826 | - | - | - | 46,627,994 |
| FUND 9502 | T-NOTE-MID | 524937 | BONY | 57 | - | 5/15/2019 | 11/15/2019 | 9/3/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 9,066 | - | - | - | 9,066 | - | - |
| FUND 9502 | T-NOTE-MID | 524937 | BONY | 57 | DAIWA | 5/15/2019 | 11/15/2019 | 9/3/2019 | Partial Sale | 3.375 | 2.434 | 3,233,000 | 3,238,962 | 5,962 | - | 32,912 | - | 2,246 | 3,274,121 |
| FUND 9502 | T-NOTE-MID | 526380 | BONY | 57 | DAIWA | 9/18/2019 | 11/15/2019 | 9/18/2019 | Purchased | 1 | 1.994 | 46,914,000 | 47,001,326 | 87,326 | 160,629 | - | - | - | 47,001,326 |
| FUND 9502 | T-NOTE-MID | 526192 | BONY | 57 | - | 5/15/2019 | 11/15/2019 | 9/26/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 423 | - | - | - | 423 | - | - |
| FUND 9502 | T-NOTE-MID | 526192 | BONY | 57 | CANT | 5/15/2019 | 11/15/2019 | 9/26/2019 | Partial Sale | 3.375 | 2.434 | 125,000 | 125,158 | 158 | - | 1,536 | - | 86 | 126,780 |
| FUND 9502 | T-NOTE-MID | 525731 | BONY | 57 | - | 7/24/2019 | 11/15/2019 | 9/30/2019 | Amort/(Accr) | 1 | 2.041 | - | 91,221 | - | - | - | 91,221 | - | - |
| FUND 9502 | T-NOTE-MID | 526380 | BONY | 57 | - | 9/18/2019 | 11/15/2019 | 9/30/2019 | Amort/(Accr) | 1 | 1.994 | - | 15,166 | - | - | - | 15,166 | - | - |
| FUND 9502 | T-NOTE-MID | 525731 | BONY | 57 | DAIWA | 7/24/2019 | 11/15/2019 | 9/30/2019 | Final Sale | 1 | 2.041 | 47,744,000 | 47,773,109 | 29,109 | 90,817 | 88,223 | - | 9,489 | 47,870,820 |
| FUND 9502 | T-NOTE-MID | 526380 | BONY | 57 | DAIWA | 9/18/2019 | 11/15/2019 | 9/30/2019 | Final Sale | 1 | 1.994 | 46,914,000 | 47,016,493 | 102,493 | 160,629 | 15,298 | - | 6,825 | 47,038,615 |
| FUND 9502 | T-NOTE-MID | 526500 | BONY | 57 | DAIWA | 9/30/2019 | 11/15/2019 | 9/30/2019 | Purchased | 3.375 | 1.886 | 50,000,000 | 50,724,609 | 724,609 | 632,813 | - | - | - | 50,724,609 |
| FUND 9502 | T-NOTE-MID | 526501 | BONY | 57 | DAIWA | 9/30/2019 | 11/15/2019 | 9/30/2019 | Purchased | 3.375 | 1.886 | 43,553,000 | 44,184,178 | 631,178 | 551,218 | - | - | - | 44,184,178 |
| FUND 9502 | T-NOTE-MID | 525491 | BONY | 57 | - | 7/1/2019 | 11/15/2019 | 10/1/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 8,978 | - | - | - | 8,978 | - | - |
| FUND 9502 | T-NOTE-MID | 525491 | BONY | 57 | DAIWA | 7/1/2019 | 11/15/2019 | 10/1/2019 | Partial Sale | 3.375 | 2.058 | 2,760,000 | 2,776,288 | 16,288 | 11,897 | 23,288 | - | 892 | 2,800,467 |
| FUND 9502 | T-NOTE-MID | 526744 | BONY | 57 | CANT | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.584 | 50,000,000 | 50,782,736 | 782,736 | 715,353 | - | - | - | 50,782,736 |
| FUND 9502 | T-NOTE-MID | 526745 | BONY | 57 | CANT | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.584 | 11,565,000 | 11,746,047 | 181,047 | 165,461 | - | - | - | 11,746,047 |
| FUND 9502 | FHLB NOTES | 526846 | BONY | 57 | DAIWA | 10/30/2019 | 11/1/2019 | 10/30/2019 | Purchased | 1.5 | 1.5 | 4,121,000 | 4,120,657 | 343 | - | - | - | - | 4,120,657 |
| FUND 9502 | T-NOTE-MID | 526486 | BONY | 57 | - | 5/15/2019 | 11/15/2019 | 11/1/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 51,494 | - | - | - | 51,494 | - | - |
| FUND 9502 | FHLB NOTES | 526846 | BONY | 57 | DAIWA | 10/30/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.5 | 1.5 | 4,121,000 | 4,120,657 | - | - | 343 | - | - | 4,121,000 |
| FUND 9502 | T-NOTE-MID | 526486 | BONY | 57 | BOFAB | 5/15/2019 | 11/15/2019 | 11/1/2019 | Partial Sale | 3.375 | 2.434 | 11,990,000 | 11,994,241 | 4,241 | - | 186,936 | - | 2,785 | 12,183,962 |
| FUND 9502 | T-NOTE-MID | 526871 | BONY | 57 | CANT | 11/1/2019 | 11/15/2019 | 11/1/2019 | Purchased | 1 | 1.409 | 121,000 | 121,540 | 540 | 559 | - | - | - | 121,540 |
| FUND 9502 | T-NOTE-MID | 524938 | BONY | 57 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 232,422 | - | - | - | 232,422 | - | - |
| FUND 9502 | T-NOTE-MID | 525821 | BONY | 57 | - | 8/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 187,500 | - | - | - | 187,500 | - | - |
| FUND 9502 | T-NOTE-MID | 525822 | BONY | 57 | - | 8/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 44,910 | - | - | - | 44,910 | - | - |
| FUND 9502 | T-NOTE-MID | 526052 | BONY | 57 | - | 8/20/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.846 | - | 92,832 | - | - | - | 92,832 | - | - |
| FUND 9502 | T-NOTE-MID | 526500 | BONY | 57 | - | 9/30/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.886 | - | 91,797 | - | - | - | 91,797 | - | - |
| FUND 9502 | T-NOTE-MID | 526501 | BONY | 57 | - | 9/30/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.886 | - | 79,961 | - | - | - | 79,961 | - | - |
| FUND 9502 | T-NOTE-MID | 526537 | BONY | 57 | - | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 62,688 | - | - | - | 62,688 | - | - |
| FUND 9502 | T-NOTE-MID | 526744 | BONY | 57 | - | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.584 | - | 67,383 | - | - | - | 67,383 | - | - |
| FUND 9502 | T-NOTE-MID | 526745 | BONY | 57 | - | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.584 | - | 15,586 | - | - | - | 15,586 | - | - |
| FUND 9502 | T-NOTE-MID | 526871 | BONY | 57 | - | 11/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.409 | - | 19 | - | - | - | 19 | - | - |
| FUND 9502 | T-NOTE-MID | 526875 | BONY | 57 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 161,078 | - | - | - | 161,078 | - | - |
| FUND 9502 | T-NOTE-MID | 524938 | BONY | 57 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 50,000,000 | 50,000,000 | - | - | 843,750 | - | - | 50,843,750 |
| FUND 9502 | T-NOTE-MID | 525821 | BONY | 57 | DAIWA | 8/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.055 | 50,000,000 | 50,357,677 | - | 357,677 | 486,073 | - | - | 50,843,750 |
| FUND 9502 | T-NOTE-MID | 525822 | BONY | 57 | DAIWA | 8/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.055 | 11,976,000 | 12,061,671 | - | 85,671 | 116,424 | - | - | 12,178,095 |
| FUND 9502 | T-NOTE-MID | 526052 | BONY | 57 | RBC | 8/20/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.846 | 46,598,000 | 46,720,826 | - | 122,826 | 110,164 | - | - | 46,830,990 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|----------------------|----------------------|------------------|---------------------|------------------|------------------|---------------|----------------------|
| FUND 9502 | T-NOTE-MID | 526500 | BONY | 57 | DAIWA | 9/30/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.886 | 50,000,000 | 50,632,813 | - | 632,813 | 210,938 | - | - | 50,843,750 |
| FUND 9502 | T-NOTE-MID | 526501 | BONY | 57 | DAIWA | 9/30/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.886 | 43,553,000 | 44,104,218 | - | 551,218 | 183,739 | - | - | 44,287,957 |
| FUND 9502 | T-NOTE-MID | 526537 | BONY | 57 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 12,942,000 | 12,997,786 | - | 55,786 | 162,610 | - | - | 13,160,396 |
| FUND 9502 | T-NOTE-MID | 526744 | BONY | 57 | CANT | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.584 | 50,000,000 | 50,715,353 | - | 715,353 | 128,397 | - | - | 50,843,750 |
| FUND 9502 | T-NOTE-MID | 526745 | BONY | 57 | CANT | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.584 | 11,565,000 | 11,730,461 | - | 165,461 | 29,698 | - | - | 11,760,159 |
| FUND 9502 | T-NOTE-MID | 526871 | BONY | 57 | CANT | 11/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.409 | 121,000 | 121,559 | - | 559 | 46 | - | - | 121,605 |
| FUND 9502 | T-NOTE-MID | 526875 | BONY | 57 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 34,652,000 | 34,652,000 | - | - | 584,753 | - | - | 35,236,753 |
| FUND 9502 | T-NOTE-MID | 527028 | BONY | 57 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 45,913,000 | 45,900,446 | 12,554 | - | - | - | - | 45,900,446 |
| FUND 9502 | T-BILL | 527081 | BONY | 57 | DAIWA | 11/21/2019 | 12/3/2019 | 11/21/2019 | Purchased | 1.53 | 1.531 | 10,000,000 | 9,994,900 | 5,100 | - | - | - | - | 9,994,900 |
| FUND 9502 | T-BILL | 527082 | BONY | 57 | DAIWA | 11/21/2019 | 1/2/2020 | 11/21/2019 | Purchased | 1.52 | 1.523 | 14,872,000 | 14,845,627 | 26,373 | - | - | - | - | 14,845,627 |
| FUND 9502 | T-BILL | 527081 | BONY | 57 | BOFAB | 11/21/2019 | 12/3/2019 | 12/2/2019 | Partial Sale | 1.53 | 1.531 | 2,808,000 | 2,806,568 | 1,432 | - | 1,313 | - | 2 | 2,807,879 |
| FUND 9502 | T-BILL | 527175 | BONY | 57 | DAIWA | 11/21/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.53 | 1.531 | 7,192,000 | 7,188,332 | - | - | 3,668 | - | - | 7,192,000 |
| FUND 9502 | T-BILL | 527082 | BONY | 57 | CANT | 11/21/2019 | 1/2/2020 | 12/3/2019 | Partial Sale | 1.52 | 1.523 | 2,000 | 1,996 | 4 | - | 1 | - | 0 | 1,997 |
| FUND 9502 | T-BILL | 527206 | BONY | 57 | DAIWA | 12/3/2019 | 1/2/2020 | 12/3/2019 | Purchased | 1.49 | 1.492 | 7,201,000 | 7,192,059 | 8,941 | - | - | - | - | 7,192,059 |
| FUND 9502 | T-BILL | 527486 | BONY | 57 | BOFAB | 12/18/2019 | 1/2/2020 | 12/18/2019 | Purchased | 1.515 | 1.516 | 48,776,000 | 48,745,210 | 30,790 | - | - | - | - | 48,745,210 |
| FUND 9502 Total | | | | | | | | | | | | 2,571,372,000 | 2,578,713,559 | 5,433,266 | 7,573,278 | 4,534,671 | 1,586,593 | 22,330 | 2,581,683,953 |
| FUND 9503 | T-NOTE-MID | 523001 | BONY | 57 | - | 11/15/2018 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.505 | - | 32,847 | - | - | - | 32,847 | - | - |
| FUND 9503 | T-NOTE-MID | 523001 | BONY | 57 | DAIWA | 11/15/2018 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.505 | 4,082,000 | 4,082,000 | - | - | 17,859 | - | - | 4,099,859 |
| FUND 9503 | T-NOTE-EOM | 524940 | BONY | 57 | DAIWA | 5/15/2019 | 6/30/2019 | 5/15/2019 | Purchased | 1.25 | 2.328 | 278,000 | 278,916 | 916 | 1,296 | - | - | - | 278,916 |
| FUND 9503 | T-NOTE-EOM | 524940 | BONY | 57 | - | 5/15/2019 | 6/30/2019 | 6/30/2019 | Amort/(Accr) | 1.25 | 2.328 | - | 380 | - | - | - | 380 | - | - |
| FUND 9503 | T-NOTE-EOM | 524940 | BONY | 57 | DAIWA | 5/15/2019 | 6/30/2019 | 6/30/2019 | Matured | 1.25 | 2.328 | 278,000 | 279,296 | - | 1,296 | 442 | - | - | 279,738 |
| FUND 9503 | T-NOTE-MID | 525492 | BONY | 57 | BOFAB | 7/1/2019 | 11/15/2019 | 7/1/2019 | Purchased | 3.375 | 2.058 | 277,000 | 279,536 | 2,536 | 1,194 | - | - | - | 279,536 |
| FUND 9503 | T-NOTE-MID | 525492 | BONY | 57 | - | 7/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.058 | - | 1,342 | - | - | - | 1,342 | - | - |
| FUND 9503 | T-NOTE-MID | 525492 | BONY | 57 | BOFAB | 7/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.058 | 277,000 | 278,194 | - | 1,194 | 3,480 | - | - | 281,674 |
| FUND 9503 | T-NOTE-MID | 527029 | BONY | 57 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 235,000 | 234,936 | 64 | - | - | - | - | 234,936 |
| FUND 9503 Total | | | | | | | | | | | | 5,427,000 | 5,467,446 | 3,516 | 4,980 | 21,781 | 34,569 | - | 5,454,658 |
| FUND 9900 | REPO INT | 523489 | BONY | 58 | DAIWA | 12/31/2018 | 1/2/2019 | 1/2/2019 | Matured | 3 | 3 | 19,846,000 | 19,846,000 | - | - | 3,308 | - | - | 19,849,308 |
| FUND 9900 | REPO INT | 523504 | BONY | 58 | DAIWA | 1/2/2019 | 1/3/2019 | 1/2/2019 | Purchased | 3 | 3 | 21,760,000 | 21,760,000 | - | - | - | - | - | 21,760,000 |
| FUND 9900 | REPO INT | 523504 | BONY | 58 | DAIWA | 1/2/2019 | 1/3/2019 | 1/3/2019 | Matured | 3 | 3 | 21,760,000 | 21,760,000 | - | - | 1,813 | - | - | 21,761,813 |
| FUND 9900 | REPO INT | 523514 | BONY | 58 | DAIWA | 1/3/2019 | 1/4/2019 | 1/3/2019 | Purchased | 2.5 | 2.5 | 24,131,000 | 24,131,000 | - | - | - | - | - | 24,131,000 |
| FUND 9900 | REPO INT | 523514 | BONY | 58 | DAIWA | 1/3/2019 | 1/4/2019 | 1/4/2019 | Matured | 2.5 | 2.5 | 24,131,000 | 24,131,000 | - | - | 1,676 | - | - | 24,132,676 |
| FUND 9900 | COMM PAPER | 523522 | BONY | 58 | RBC | 1/4/2019 | 1/18/2019 | 1/4/2019 | Purchased | 2.42 | 2.422 | 15,000,000 | 14,985,883 | 14,117 | - | - | - | - | 14,985,883 |
| FUND 9900 | REPO INT | 523524 | BONY | 58 | DAIWA | 1/4/2019 | 1/7/2019 | 1/4/2019 | Purchased | 2.25 | 2.25 | 18,362,000 | 18,362,000 | - | - | - | - | - | 18,362,000 |
| FUND 9900 | REPO INT | 523524 | BONY | 58 | DAIWA | 1/4/2019 | 1/7/2019 | 1/7/2019 | Matured | 2.25 | 2.25 | 18,362,000 | 18,362,000 | - | - | 3,443 | - | - | 18,365,443 |
| FUND 9900 | REPO INT | 523534 | BONY | 58 | DAIWA | 1/7/2019 | 1/8/2019 | 1/7/2019 | Purchased | 2.25 | 2.25 | 19,939,000 | 19,939,000 | - | - | - | - | - | 19,939,000 |
| FUND 9900 | REPO INT | 523534 | BONY | 58 | DAIWA | 1/7/2019 | 1/8/2019 | 1/8/2019 | Matured | 2.25 | 2.25 | 19,939,000 | 19,939,000 | - | - | 1,246 | - | - | 19,940,246 |
| FUND 9900 | REPO INT | 523548 | BONY | 58 | DAIWA | 1/8/2019 | 1/9/2019 | 1/8/2019 | Purchased | 2.25 | 2.25 | 18,336,000 | 18,336,000 | - | - | - | - | - | 18,336,000 |
| FUND 9900 | REPO INT | 523548 | BONY | 58 | DAIWA | 1/8/2019 | 1/9/2019 | 1/9/2019 | Matured | 2.25 | 2.25 | 18,336,000 | 18,336,000 | - | - | 1,146 | - | - | 18,337,146 |
| FUND 9900 | COMM PAPER | 523551 | BONY | 58 | MERIL | 1/9/2019 | 1/18/2019 | 1/9/2019 | Purchased | 2.39 | 2.391 | 12,000,000 | 11,992,830 | 7,170 | - | - | - | - | 11,992,830 |
| FUND 9900 | REPO INT | 523570 | BONY | 58 | DAIWA | 1/9/2019 | 1/10/2019 | 1/9/2019 | Purchased | 2.25 | 2.25 | 14,516,000 | 14,516,000 | - | - | - | - | - | 14,516,000 |
| FUND 9900 | REPO INT | 523570 | BONY | 58 | DAIWA | 1/9/2019 | 1/10/2019 | 1/10/2019 | Matured | 2.25 | 2.25 | 14,516,000 | 14,516,000 | - | - | 907 | - | - | 14,516,907 |
| FUND 9900 | COMM PAPER | 523592 | BONY | 58 | RBC | 1/10/2019 | 1/18/2019 | 1/10/2019 | Purchased | 2.39 | 2.391 | 10,000,000 | 9,994,689 | 5,311 | - | - | - | - | 9,994,689 |
| FUND 9900 | REPO INT | 523593 | BONY | 58 | DAIWA | 1/10/2019 | 1/11/2019 | 1/10/2019 | Purchased | 2.25 | 2.25 | 13,254,000 | 13,254,000 | - | - | - | - | - | 13,254,000 |
| FUND 9900 | REPO INT | 523593 | BONY | 58 | DAIWA | 1/10/2019 | 1/11/2019 | 1/11/2019 | Matured | 2.25 | 2.25 | 13,254,000 | 13,254,000 | - | - | 828 | - | - | 13,254,828 |
| FUND 9900 | REPO INT | 523601 | BONY | 58 | DAIWA | 1/11/2019 | 1/14/2019 | 1/11/2019 | Purchased | 2.25 | 2.25 | 19,797,000 | 19,797,000 | - | - | - | - | - | 19,797,000 |
| FUND 9900 | REPO INT | 523601 | BONY | 58 | DAIWA | 1/11/2019 | 1/14/2019 | 1/14/2019 | Matured | 2.25 | 2.25 | 19,797,000 | 19,797,000 | - | - | 3,712 | - | - | 19,800,712 |
| FUND 9900 | COMM PAPER | 523613 | BONY | 58 | MERIL | 1/14/2019 | 1/22/2019 | 1/14/2019 | Purchased | 2.37 | 2.371 | 10,000,000 | 9,994,733 | 5,267 | - | - | - | - | 9,994,733 |
| FUND 9900 | REPO INT | 523614 | BONY | 58 | DAIWA | 1/14/2019 | 1/15/2019 | 1/14/2019 | Purchased | 2.25 | 2.25 | 15,828,000 | 15,828,000 | - | - | - | - | - | 15,828,000 |
| FUND 9900 | REPO INT | 523614 | BONY | 58 | DAIWA | 1/14/2019 | 1/15/2019 | 1/15/2019 | Matured | 2.25 | 2.25 | 15,828,000 | 15,828,000 | - | - | 989 | - | - | 15,828,989 |
| FUND 9900 | REPO INT | 523643 | BONY | 58 | DAIWA | 1/15/2019 | 1/16/2019 | 1/15/2019 | Purchased | 2.25 | 2.25 | 8,920,000 | 8,920,000 | - | - | - | - | - | 8,920,000 |
| FUND 9900 | COMM PAPER | 523649 | BONY | 58 | RBC | 12/27/2018 | 1/16/2019 | 1/16/2019 | Matured | 2.46 | 2.463 | 15,000,000 | 14,979,500 | - | - | 20,500 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 523643 | BONY | 58 | DAIWA | 1/15/2019 | 1/16/2019 | 1/16/2019 | Matured | 2.25 | 2.25 | 8,920,000 | 8,920,000 | - | - | 558 | - | - | 8,920,558 |
| FUND 9900 | COMM PAPER | 523651 | BONY | 58 | RBC | 1/16/2019 | 2/6/2019 | 1/16/2019 | Purchased | 2.45 | 2.454 | 15,000,000 | 14,978,563 | 21,438 | - | - | - | - | 14,978,563 |
| FUND 9900 | REPO INT | 523653 | BONY | 58 | DAIWA | 1/16/2019 | 1/17/2019 | 1/16/2019 | Purchased | 2.25 | 2.25 | 16,266,000 | 16,266,000 | - | - | - | - | - | 16,266,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 523653 | BONY | 58 | DAIWA | 1/16/2019 | 1/17/2019 | 1/17/2019 | Matured | 2.25 | 2.25 | 16,266,000 | 16,266,000 | - | - | 1,017 | - | - | 16,267,017 |
| FUND 9900 | REPO INT | 523671 | BONY | 58 | DAIWA | 1/17/2019 | 1/18/2019 | 1/17/2019 | Purchased | 2.25 | 2.25 | 17,073,000 | 17,073,000 | - | - | - | - | - | 17,073,000 |
| FUND 9900 | COMM PAPER | 523373 | BONY | 58 | MERIL | 12/19/2018 | 1/18/2019 | 1/18/2019 | Matured | 2.46 | 2.465 | 15,000,000 | 14,969,250 | - | - | 30,750 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 523425 | BONY | 58 | RBC | 12/21/2018 | 1/18/2019 | 1/18/2019 | Matured | 2.51 | 2.515 | 50,000,000 | 49,902,389 | - | - | 97,611 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 523452 | BONY | 58 | RBC | 12/26/2018 | 1/18/2019 | 1/18/2019 | Matured | 2.45 | 2.454 | 15,000,000 | 14,976,521 | - | - | 23,479 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 523522 | BONY | 58 | RBC | 1/4/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.42 | 2.422 | 15,000,000 | 14,985,883 | - | - | 14,117 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 523551 | BONY | 58 | MERIL | 1/9/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.39 | 2.391 | 12,000,000 | 11,992,830 | - | - | 7,170 | - | - | 12,000,000 |
| FUND 9900 | COMM PAPER | 523592 | BONY | 58 | RBC | 1/10/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.39 | 2.391 | 10,000,000 | 9,994,689 | - | - | 5,311 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 523671 | BONY | 58 | DAIWA | 1/17/2019 | 1/18/2019 | 1/18/2019 | Matured | 2.25 | 2.25 | 17,073,000 | 17,073,000 | - | - | 1,067 | - | - | 17,074,067 |
| FUND 9900 | REPO INT | 523684 | BONY | 58 | DAIWA | 1/18/2019 | 1/22/2019 | 1/18/2019 | Purchased | 2.25 | 2.25 | 16,407,000 | 16,407,000 | - | - | - | - | - | 16,407,000 |
| FUND 9900 | COMM PAPER | 523691 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 1/18/2019 | Purchased | 2.4 | 2.403 | 50,000,000 | 49,936,667 | 63,333 | - | - | - | - | 49,936,667 |
| FUND 9900 | COMM PAPER | 523692 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 1/18/2019 | Purchased | 2.4 | 2.403 | 50,000,000 | 49,936,667 | 63,333 | - | - | - | - | 49,936,667 |
| FUND 9900 | COMM PAPER | 523693 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 1/18/2019 | Purchased | 2.4 | 2.403 | 25,000,000 | 24,968,333 | 31,667 | - | - | - | - | 24,968,333 |
| FUND 9900 | T-BILL | 523426 | BONY | 58 | BOFAB | 12/21/2018 | 1/22/2019 | 1/22/2019 | Matured | 2.3 | 2.305 | 40,000,000 | 39,918,222 | - | - | 81,778 | - | - | 40,000,000 |
| FUND 9900 | COMM PAPER | 523613 | BONY | 58 | MERIL | 1/14/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.37 | 2.371 | 10,000,000 | 9,994,733 | - | - | 5,267 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 523684 | BONY | 58 | DAIWA | 1/18/2019 | 1/22/2019 | 1/22/2019 | Matured | 2.25 | 2.25 | 16,407,000 | 16,407,000 | - | - | 4,102 | - | - | 16,411,102 |
| FUND 9900 | COMM PAPER | 523704 | BONY | 58 | MERIL | 1/22/2019 | 2/5/2019 | 1/22/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,952,944 | 47,056 | - | - | - | - | 49,952,944 |
| FUND 9900 | REPO INT | 523714 | BONY | 58 | DAIWA | 1/22/2019 | 1/23/2019 | 1/22/2019 | Purchased | 2.25 | 2.25 | 26,109,000 | 26,109,000 | - | - | - | - | - | 26,109,000 |
| FUND 9900 | REPO INT | 523714 | BONY | 58 | DAIWA | 1/22/2019 | 1/23/2019 | 1/23/2019 | Matured | 2.25 | 2.25 | 26,109,000 | 26,109,000 | - | - | 1,632 | - | - | 26,110,632 |
| FUND 9900 | REPO INT | 523724 | BONY | 58 | MIZUH | 1/23/2019 | 1/24/2019 | 1/23/2019 | Purchased | 2.28 | 2.28 | 36,983,000 | 36,983,000 | - | - | - | - | - | 36,983,000 |
| FUND 9900 | REPO INT | 523724 | BONY | 58 | MIZUH | 1/23/2019 | 1/24/2019 | 1/24/2019 | Matured | 2.28 | 2.28 | 36,983,000 | 36,983,000 | - | - | 2,342 | - | - | 36,985,342 |
| FUND 9900 | COMM PAPER | 523734 | BONY | 58 | RBC | 1/24/2019 | 1/30/2019 | 1/24/2019 | Purchased | 2.43 | 2.431 | 35,000,000 | 34,985,825 | 14,175 | - | - | - | - | 34,985,825 |
| FUND 9900 | REPO INT | 523740 | BONY | 58 | DAIWA | 1/24/2019 | 1/25/2019 | 1/24/2019 | Purchased | 2.25 | 2.25 | 18,897,000 | 18,897,000 | - | - | - | - | - | 18,897,000 |
| FUND 9900 | REPO INT | 523740 | BONY | 58 | DAIWA | 1/24/2019 | 1/25/2019 | 1/25/2019 | Matured | 2.25 | 2.25 | 18,897,000 | 18,897,000 | - | - | 1,181 | - | - | 18,898,181 |
| FUND 9900 | COMM PAPER | 523747 | BONY | 58 | MERIL | 1/25/2019 | 1/30/2019 | 1/25/2019 | Purchased | 2.42 | 2.421 | 15,000,000 | 14,994,958 | 5,042 | - | - | - | - | 14,994,958 |
| FUND 9900 | REPO INT | 523748 | BONY | 58 | DAIWA | 1/25/2019 | 1/28/2019 | 1/25/2019 | Purchased | 2.25 | 2.25 | 11,564,000 | 11,564,000 | - | - | - | - | - | 11,564,000 |
| FUND 9900 | REPO INT | 523748 | BONY | 58 | DAIWA | 1/25/2019 | 1/28/2019 | 1/28/2019 | Matured | 2.25 | 2.25 | 11,564,000 | 11,564,000 | - | - | 2,168 | - | - | 11,566,168 |
| FUND 9900 | REPO INT | 523761 | BONY | 58 | DAIWA | 1/28/2019 | 1/29/2019 | 1/28/2019 | Purchased | 2.25 | 2.25 | 17,815,000 | 17,815,000 | - | - | - | - | - | 17,815,000 |
| FUND 9900 | REPO INT | 523761 | BONY | 58 | DAIWA | 1/28/2019 | 1/29/2019 | 1/29/2019 | Matured | 2.25 | 2.25 | 17,815,000 | 17,815,000 | - | - | 1,113 | - | - | 17,816,113 |
| FUND 9900 | REPO INT | 523781 | BONY | 58 | DAIWA | 1/29/2019 | 1/30/2019 | 1/29/2019 | Purchased | 2.25 | 2.25 | 15,791,000 | 15,791,000 | - | - | - | - | - | 15,791,000 |
| FUND 9900 | COMM PAPER | 523734 | BONY | 58 | RBC | 1/24/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.43 | 2.431 | 35,000,000 | 34,985,825 | - | - | 14,175 | - | - | 35,000,000 |
| FUND 9900 | COMM PAPER | 523747 | BONY | 58 | MERIL | 1/25/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.42 | 2.421 | 15,000,000 | 14,994,958 | - | - | 5,042 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 523781 | BONY | 58 | DAIWA | 1/29/2019 | 1/30/2019 | 1/30/2019 | Matured | 2.25 | 2.25 | 15,791,000 | 15,791,000 | - | - | 987 | - | - | 15,791,987 |
| FUND 9900 | REPO INT | 523799 | BONY | 58 | DAIWA | 1/30/2019 | 1/31/2019 | 1/30/2019 | Purchased | 2.25 | 2.25 | 7,559,000 | 7,559,000 | - | - | - | - | - | 7,559,000 |
| FUND 9900 | REPO INT | 523799 | BONY | 58 | DAIWA | 1/30/2019 | 1/31/2019 | 1/31/2019 | Matured | 2.25 | 2.25 | 7,559,000 | 7,559,000 | - | - | 472 | - | - | 7,559,472 |
| FUND 9900 | REPO INT | 523807 | BONY | 58 | DAIWA | 1/31/2019 | 2/1/2019 | 1/31/2019 | Purchased | 2.25 | 2.25 | 10,819,000 | 10,819,000 | - | - | - | - | - | 10,819,000 |
| FUND 9900 | REPO INT | 523807 | BONY | 58 | DAIWA | 1/31/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.25 | 2.25 | 10,819,000 | 10,819,000 | - | - | 676 | - | - | 10,819,676 |
| FUND 9900 | REPO INT | 523822 | BONY | 58 | DAIWA | 2/1/2019 | 2/4/2019 | 2/1/2019 | Purchased | 2.3 | 2.3 | 18,929,000 | 18,929,000 | - | - | - | - | - | 18,929,000 |
| FUND 9900 | REPO INT | 523822 | BONY | 58 | DAIWA | 2/1/2019 | 2/4/2019 | 2/4/2019 | Matured | 2.3 | 2.3 | 18,929,000 | 18,929,000 | - | - | 3,628 | - | - | 18,932,628 |
| FUND 9900 | COMM PAPER | 523831 | BONY | 58 | MERIL | 2/4/2019 | 2/19/2019 | 2/4/2019 | Purchased | 2.41 | 2.412 | 12,000,000 | 11,987,950 | 12,050 | - | - | - | - | 11,987,950 |
| FUND 9900 | REPO INT | 523832 | BONY | 58 | DAIWA | 2/4/2019 | 2/5/2019 | 2/4/2019 | Purchased | 2.25 | 2.25 | 14,970,000 | 14,970,000 | - | - | - | - | - | 14,970,000 |
| FUND 9900 | COMM PAPER | 523704 | BONY | 58 | MERIL | 1/22/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,952,944 | - | - | 47,056 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 523832 | BONY | 58 | DAIWA | 2/4/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.25 | 2.25 | 14,970,000 | 14,970,000 | - | - | 936 | - | - | 14,970,936 |
| FUND 9900 | COMM PAPER | 523855 | BONY | 58 | RBC | 2/5/2019 | 2/19/2019 | 2/5/2019 | Purchased | 2.42 | 2.422 | 50,000,000 | 49,952,944 | 47,056 | - | - | - | - | 49,952,944 |
| FUND 9900 | REPO INT | 523856 | BONY | 58 | DAIWA | 2/5/2019 | 2/6/2019 | 2/5/2019 | Purchased | 2.25 | 2.25 | 16,501,000 | 16,501,000 | - | - | - | - | - | 16,501,000 |
| FUND 9900 | COMM PAPER | 523651 | BONY | 58 | RBC | 1/16/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.45 | 2.454 | 15,000,000 | 14,978,563 | - | - | 21,438 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 523691 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.4 | 2.403 | 50,000,000 | 49,936,667 | - | - | 63,333 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 523692 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.4 | 2.403 | 50,000,000 | 49,936,667 | - | - | 63,333 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 523693 | BONY | 58 | RBC | 1/18/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.4 | 2.403 | 25,000,000 | 24,968,333 | - | - | 31,667 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 523856 | BONY | 58 | DAIWA | 2/5/2019 | 2/6/2019 | 2/6/2019 | Matured | 2.25 | 2.25 | 16,501,000 | 16,501,000 | - | - | 1,031 | - | - | 16,502,031 |
| FUND 9900 | COMM PAPER | 523893 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/6/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 9900 | COMM PAPER | 523894 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/6/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 9900 | COMM PAPER | 523895 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/6/2019 | Purchased | 2.37 | 2.371 | 50,000,000 | 49,976,958 | 23,042 | - | - | - | - | 49,976,958 |
| FUND 9900 | REPO INT | 523897 | BONY | 58 | DAIWA | 2/6/2019 | 2/7/2019 | 2/6/2019 | Purchased | 2.25 | 2.25 | 18,156,000 | 18,156,000 | - | - | - | - | - | 18,156,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement | |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|--------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|------------|
| FUND 9900 | REPO INT | 523897 | BONY | 58 | DAIWA | 2/6/2019 | 2/7/2019 | 2/7/2019 | Matured | 2.25 | 2.25 | 18,156,000 | 18,156,000 | - | - | 1,135 | - | - | 18,157,135 | |
| FUND 9900 | COMM PAPER | 523915 | BONY | 58 | RBC | 2/7/2019 | 2/19/2019 | 2/7/2019 | Purchased | 2.38 | 2.382 | 10,000,000 | 9,992,067 | 7,933 | - | - | - | - | 9,992,067 | |
| FUND 9900 | REPO INT | 523922 | BONY | 58 | DAIWA | 2/7/2019 | 2/8/2019 | 2/7/2019 | Purchased | 2.25 | 2.25 | 14,017,000 | 14,017,000 | - | - | - | - | - | 14,017,000 | |
| FUND 9900 | REPO INT | 523922 | BONY | 58 | DAIWA | 2/7/2019 | 2/8/2019 | 2/8/2019 | Matured | 2.25 | 2.25 | 14,017,000 | 14,017,000 | - | - | 876 | - | - | 14,017,876 | |
| FUND 9900 | COMM PAPER | 523927 | BONY | 58 | RBC | 2/8/2019 | 2/19/2019 | 2/8/2019 | Purchased | 2.43 | 2.432 | 10,000,000 | 9,992,575 | 7,425 | - | - | - | - | 9,992,575 | |
| FUND 9900 | REPO INT | 523929 | BONY | 58 | DAIWA | 2/8/2019 | 2/11/2019 | 2/8/2019 | Purchased | 2.25 | 2.25 | 10,338,000 | 10,338,000 | - | - | - | - | - | 10,338,000 | |
| FUND 9900 | REPO INT | 523929 | BONY | 58 | DAIWA | 2/8/2019 | 2/11/2019 | 2/11/2019 | Matured | 2.25 | 2.25 | 10,338,000 | 10,338,000 | - | - | 1,938 | - | - | 10,339,938 | |
| FUND 9900 | REPO INT | 523955 | BONY | 58 | DAIWA | 2/11/2019 | 2/12/2019 | 2/11/2019 | Purchased | 2.25 | 2.25 | 16,854,000 | 16,854,000 | - | - | - | - | - | 16,854,000 | |
| FUND 9900 | REPO INT | 523955 | BONY | 58 | DAIWA | 2/11/2019 | 2/12/2019 | 2/12/2019 | Matured | 2.25 | 2.25 | 16,854,000 | 16,854,000 | - | - | 1,053 | - | - | 16,855,053 | |
| FUND 9900 | REPO INT | 523971 | BONY | 58 | DAIWA | 2/12/2019 | 2/13/2019 | 2/12/2019 | Purchased | 2.25 | 2.25 | 15,057,000 | 15,057,000 | - | - | - | - | - | 15,057,000 | |
| FUND 9900 | COMM PAPER | 523893 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 | |
| FUND 9900 | COMM PAPER | 523894 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 | |
| FUND 9900 | COMM PAPER | 523895 | BONY | 58 | MERIL | 2/6/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.37 | 2.371 | 50,000,000 | 49,976,958 | - | - | 23,042 | - | - | 50,000,000 | |
| FUND 9900 | REPO INT | 523971 | BONY | 58 | DAIWA | 2/12/2019 | 2/13/2019 | 2/13/2019 | Matured | 2.25 | 2.25 | 15,057,000 | 15,057,000 | - | - | 941 | - | - | 15,057,941 | |
| FUND 9900 | COMM PAPER | 523988 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/13/2019 | Purchased | 2.435 | 2.438 | 50,000,000 | 49,928,979 | 71,021 | - | - | - | - | 49,928,979 | |
| FUND 9900 | COMM PAPER | 523989 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/13/2019 | Purchased | 2.435 | 2.438 | 50,000,000 | 49,928,979 | 71,021 | - | - | - | - | 49,928,979 | |
| FUND 9900 | COMM PAPER | 523990 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/13/2019 | Purchased | 2.435 | 2.438 | 50,000,000 | 49,928,979 | 71,021 | - | - | - | - | 49,928,979 | |
| FUND 9900 | REPO INT | 523994 | BONY | 58 | DAIWA | 2/13/2019 | 2/14/2019 | 2/13/2019 | Purchased | 2.25 | 2.25 | 25,142,000 | 25,142,000 | - | - | - | - | - | 25,142,000 | |
| FUND 9900 | REPO INT | 523994 | BONY | 58 | DAIWA | 2/13/2019 | 2/14/2019 | 2/14/2019 | Matured | 2.25 | 2.25 | 25,142,000 | 25,142,000 | - | - | 1,571 | - | - | 25,143,571 | |
| FUND 9900 | COMM PAPER | 524015 | BONY | 58 | MERIL | 2/14/2019 | 3/6/2019 | 2/14/2019 | Purchased | 2.43 | 2.433 | 15,000,000 | 14,979,750 | 20,250 | - | - | - | - | 14,979,750 | |
| FUND 9900 | REPO INT | 524021 | BONY | 58 | DAIWA | 2/14/2019 | 2/15/2019 | 2/14/2019 | Purchased | 2.25 | 2.25 | 15,352,000 | 15,352,000 | - | - | - | - | - | 15,352,000 | |
| FUND 9900 | REPO INT | 524021 | BONY | 58 | DAIWA | 2/14/2019 | 2/15/2019 | 2/15/2019 | Matured | 2.25 | 2.25 | 15,352,000 | 15,352,000 | - | - | 960 | - | - | 15,352,960 | |
| FUND 9900 | REPO INT | 524038 | BONY | 58 | DAIWA | 2/15/2019 | 2/19/2019 | 2/15/2019 | Purchased | 2.25 | 2.25 | 16,696,000 | 16,696,000 | - | - | - | - | - | 16,696,000 | |
| FUND 9900 | COMM PAPER | 523831 | BONY | 58 | MERIL | 2/4/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.41 | 2.412 | 12,000,000 | 11,987,950 | - | - | 12,050 | - | - | 12,000,000 | |
| FUND 9900 | COMM PAPER | 523855 | BONY | 58 | RBC | 2/5/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.42 | 2.422 | 50,000,000 | 49,952,944 | - | - | 47,056 | - | - | 50,000,000 | |
| FUND 9900 | COMM PAPER | 523915 | BONY | 58 | RBC | 2/7/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.38 | 2.382 | 10,000,000 | 9,992,067 | - | - | 7,933 | - | - | 10,000,000 | |
| FUND 9900 | COMM PAPER | 523927 | BONY | 58 | RBC | 2/8/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.43 | 2.432 | 10,000,000 | 9,992,575 | - | - | 7,425 | - | - | 10,000,000 | |
| FUND 9900 | REPO INT | 524038 | BONY | 58 | DAIWA | 2/15/2019 | 2/19/2019 | 2/19/2019 | Matured | 2.25 | 2.25 | 16,696,000 | 16,696,000 | - | - | 4,174 | - | - | 16,700,174 | |
| FUND 9900 | COMM PAPER | 524043 | BONY | 58 | MERIL | 2/19/2019 | 3/8/2019 | 2/19/2019 | Purchased | 2.41 | 2.413 | 50,000,000 | 49,943,097 | 56,903 | - | - | - | - | 49,943,097 | |
| FUND 9900 | COMM PAPER | 524051 | BONY | 58 | RBC | 2/19/2019 | 2/26/2019 | 2/19/2019 | Purchased | 2.38 | 2.381 | 35,000,000 | 34,983,803 | 16,197 | - | - | - | - | 34,983,803 | |
| FUND 9900 | REPO INT | 524052 | BONY | 58 | DAIWA | 2/19/2019 | 2/20/2019 | 2/19/2019 | Purchased | 2.25 | 2.25 | 21,576,000 | 21,576,000 | - | - | - | - | - | 21,576,000 | |
| FUND 9900 | REPO INT | 524052 | BONY | 58 | DAIWA | 2/19/2019 | 2/20/2019 | 2/20/2019 | Matured | 2.25 | 2.25 | 21,576,000 | 21,576,000 | - | - | 1,349 | - | - | 21,577,349 | |
| FUND 9900 | REPO INT | 524066 | BONY | 58 | DAIWA | 2/20/2019 | 2/21/2019 | 2/20/2019 | Purchased | 2.25 | 2.25 | 24,653,000 | 24,653,000 | - | - | - | - | - | 24,653,000 | |
| FUND 9900 | REPO INT | 524066 | BONY | 58 | DAIWA | 2/20/2019 | 2/21/2019 | 2/21/2019 | Matured | 2.25 | 2.25 | 24,653,000 | 24,653,000 | - | - | 1,541 | - | - | 24,654,541 | |
| FUND 9900 | REPO INT | 524085 | BONY | 58 | DAIWA | 2/21/2019 | 2/22/2019 | 2/21/2019 | Purchased | 2.25 | 2.25 | 44,693,000 | 44,693,000 | - | - | - | - | - | 44,693,000 | |
| FUND 9900 | REPO INT | 524085 | BONY | 58 | DAIWA | 2/21/2019 | 2/22/2019 | 2/22/2019 | Matured | 2.25 | 2.25 | 44,693,000 | 44,693,000 | - | - | 2,793 | - | - | 44,695,793 | |
| FUND 9900 | COMM PAPER | 524097 | BONY | 58 | RBC | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,995,083 | 4,917 | - | - | - | - | 24,995,083 | |
| FUND 9900 | REPO INT | 524099 | BONY | 58 | DAIWA | 2/22/2019 | 2/25/2019 | 2/22/2019 | Purchased | 2.25 | 2.25 | 26,152,000 | 26,152,000 | - | - | - | - | - | 26,152,000 | |
| FUND 9900 | COMM PAPER | 524097 | BONY | 58 | RBC | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,995,083 | - | - | 4,917 | - | - | 25,000,000 | |
| FUND 9900 | REPO INT | 524099 | BONY | 58 | DAIWA | 2/22/2019 | 2/25/2019 | 2/25/2019 | Matured | 2.25 | 2.25 | 26,152,000 | 26,152,000 | - | - | 4,904 | - | - | 26,156,904 | |
| FUND 9900 | COMM PAPER | 524105 | BONY | 58 | MERIL | 2/25/2019 | 2/28/2019 | 2/25/2019 | Purchased | 2.36 | 2.36 | 45,000,000 | 44,991,150 | 8,850 | - | - | - | - | 44,991,150 | |
| FUND 9900 | REPO INT | 524107 | BONY | 58 | DAIWA | 2/25/2019 | 2/26/2019 | 2/25/2019 | Purchased | 2.25 | 2.25 | 18,394,000 | 18,394,000 | - | - | - | - | - | 18,394,000 | |
| FUND 9900 | COMM PAPER | 524051 | BONY | 58 | RBC | 2/19/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.38 | 2.381 | 35,000,000 | 34,983,803 | - | - | 16,197 | - | - | 35,000,000 | |
| FUND 9900 | REPO INT | 524107 | BONY | 58 | DAIWA | 2/25/2019 | 2/26/2019 | 2/26/2019 | Matured | 2.25 | 2.25 | 18,394,000 | 18,394,000 | - | - | 1,150 | - | - | 18,395,150 | |
| FUND 9900 | COMM PAPER | 524119 | BONY | 58 | RBC | 2/26/2019 | 2/28/2019 | 2/26/2019 | Purchased | 2.36 | 2.36 | 40,000,000 | 39,994,756 | 5,244 | - | - | - | - | 39,994,756 | |
| FUND 9900 | REPO INT | 524124 | BONY | 58 | DAIWA | 2/26/2019 | 2/27/2019 | 2/26/2019 | Purchased | 2.25 | 2.25 | 14,735,000 | 14,735,000 | - | - | - | - | - | 14,735,000 | |
| FUND 9900 | REPO INT | 524124 | BONY | 58 | DAIWA | 2/26/2019 | 2/27/2019 | 2/27/2019 | Matured | 2.25 | 2.25 | 14,735,000 | 14,735,000 | - | - | 921 | - | - | 14,735,921 | |
| FUND 9900 | REPO INT | 524140 | BONY | 58 | DAIWA | 2/27/2019 | 2/28/2019 | 2/27/2019 | Purchased | 2.25 | 2.25 | 20,650,000 | 20,650,000 | - | - | - | - | - | 20,650,000 | |
| FUND 9900 | COMM PAPER | 523988 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/28/2019 | Final Sale | 2.435 | 2.438 | 50,000,000 | 49,928,979 | 71,021 | - | - | 50,729 | - | 42 | 49,979,750 |
| FUND 9900 | COMM PAPER | 523989 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/28/2019 | Final Sale | 2.435 | 2.438 | 50,000,000 | 49,928,979 | 71,021 | - | - | 50,729 | - | 42 | 49,979,750 |
| FUND 9900 | COMM PAPER | 524105 | BONY | 58 | MERIL | 2/25/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.36 | 2.36 | 45,000,000 | 44,991,150 | - | - | 8,850 | - | - | 45,000,000 | |
| FUND 9900 | COMM PAPER | 524119 | BONY | 58 | RBC | 2/26/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.36 | 2.36 | 40,000,000 | 39,994,756 | - | - | 5,244 | - | - | 40,000,000 | |
| FUND 9900 | REPO INT | 524140 | BONY | 58 | DAIWA | 2/27/2019 | 2/28/2019 | 2/28/2019 | Matured | 2.25 | 2.25 | 20,650,000 | 20,650,000 | - | - | 1,291 | - | - | 20,651,291 | |
| FUND 9900 | COMM PAPER | 523990 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 2/28/2019 | Partial Sale | 2.435 | 2.438 | 30,000,000 | 29,957,388 | 42,613 | - | - | 30,437 | - | 25 | 29,987,850 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 524161 | BONY | 58 | DAIWA | 2/28/2019 | 3/1/2019 | 2/28/2019 | Purchased | 2.4 | 2.4 | 8,565,000 | 8,565,000 | - | - | - | - | - | 8,565,000 |
| FUND 9900 | REPO INT | 524161 | BONY | 58 | DAIWA | 2/28/2019 | 3/1/2019 | 3/1/2019 | Matured | 2.4 | 2.4 | 8,565,000 | 8,565,000 | - | - | 571 | - | - | 8,565,571 |
| FUND 9900 | REPO INT | 524169 | BONY | 58 | DAIWA | 3/1/2019 | 3/4/2019 | 3/1/2019 | Purchased | 2.25 | 2.25 | 15,798,000 | 15,798,000 | - | - | - | - | - | 15,798,000 |
| FUND 9900 | REPO INT | 524169 | BONY | 58 | DAIWA | 3/1/2019 | 3/4/2019 | 3/4/2019 | Matured | 2.25 | 2.25 | 15,798,000 | 15,798,000 | - | - | 2,962 | - | - | 15,800,962 |
| FUND 9900 | REPO INT | 524183 | BONY | 58 | DAIWA | 3/4/2019 | 3/5/2019 | 3/4/2019 | Purchased | 2.25 | 2.25 | 21,461,000 | 21,461,000 | - | - | - | - | - | 21,461,000 |
| FUND 9900 | REPO INT | 524183 | BONY | 58 | DAIWA | 3/4/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.25 | 2.25 | 21,461,000 | 21,461,000 | - | - | 1,341 | - | - | 21,462,341 |
| FUND 9900 | REPO INT | 524197 | BONY | 58 | DAIWA | 3/5/2019 | 3/6/2019 | 3/5/2019 | Purchased | 2.25 | 2.25 | 19,293,000 | 19,293,000 | - | - | - | - | - | 19,293,000 |
| FUND 9900 | COMM PAPER | 524015 | BONY | 58 | MERIL | 2/14/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.43 | 2.433 | 15,000,000 | 14,979,750 | - | - | 20,250 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 524159 | BONY | 58 | RBC | 2/13/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.435 | 2.438 | 20,000,000 | 19,971,592 | - | - | 28,408 | - | - | 20,000,000 |
| FUND 9900 | REPO INT | 524197 | BONY | 58 | DAIWA | 3/5/2019 | 3/6/2019 | 3/6/2019 | Matured | 2.25 | 2.25 | 19,293,000 | 19,293,000 | - | - | 1,206 | - | - | 19,294,206 |
| FUND 9900 | COMM PAPER | 524205 | BONY | 58 | MERIL | 3/6/2019 | 3/20/2019 | 3/6/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 9900 | REPO INT | 524208 | BONY | 58 | DAIWA | 3/6/2019 | 3/7/2019 | 3/6/2019 | Purchased | 2.25 | 2.25 | 15,469,000 | 15,469,000 | - | - | - | - | - | 15,469,000 |
| FUND 9900 | REPO INT | 524208 | BONY | 58 | DAIWA | 3/6/2019 | 3/7/2019 | 3/7/2019 | Matured | 2.25 | 2.25 | 15,469,000 | 15,469,000 | - | - | 967 | - | - | 15,469,967 |
| FUND 9900 | COMM PAPER | 524233 | BONY | 58 | WELLB | 3/7/2019 | 3/20/2019 | 3/7/2019 | Purchased | 2.4 | 2.402 | 10,000,000 | 9,991,333 | 8,667 | - | - | - | - | 9,991,333 |
| FUND 9900 | REPO INT | 524234 | BONY | 58 | DAIWA | 3/7/2019 | 3/8/2019 | 3/7/2019 | Purchased | 2.25 | 2.25 | 11,520,000 | 11,520,000 | - | - | - | - | - | 11,520,000 |
| FUND 9900 | COMM PAPER | 524043 | BONY | 58 | MERIL | 2/19/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.41 | 2.413 | 50,000,000 | 49,943,097 | - | - | 56,903 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 524234 | BONY | 58 | DAIWA | 3/7/2019 | 3/8/2019 | 3/8/2019 | Matured | 2.25 | 2.25 | 11,520,000 | 11,520,000 | - | - | 720 | - | - | 11,520,720 |
| FUND 9900 | COMM PAPER | 524242 | BONY | 58 | MERIL | 3/8/2019 | 3/20/2019 | 3/8/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,960,000 | 40,000 | - | - | - | - | 49,960,000 |
| FUND 9900 | REPO INT | 524244 | BONY | 58 | DAIWA | 3/8/2019 | 3/11/2019 | 3/8/2019 | Purchased | 2.25 | 2.25 | 18,967,000 | 18,967,000 | - | - | - | - | - | 18,967,000 |
| FUND 9900 | REPO INT | 524244 | BONY | 58 | DAIWA | 3/8/2019 | 3/11/2019 | 3/11/2019 | Matured | 2.25 | 2.25 | 18,967,000 | 18,967,000 | - | - | 3,556 | - | - | 18,970,556 |
| FUND 9900 | COMM PAPER | 524252 | BONY | 58 | MERIL | 3/11/2019 | 3/18/2019 | 3/11/2019 | Purchased | 2.4 | 2.401 | 10,000,000 | 9,995,333 | 4,667 | - | - | - | - | 9,995,333 |
| FUND 9900 | REPO INT | 524256 | BONY | 58 | DAIWA | 3/11/2019 | 3/12/2019 | 3/11/2019 | Purchased | 2.25 | 2.25 | 11,369,000 | 11,369,000 | - | - | - | - | - | 11,369,000 |
| FUND 9900 | REPO INT | 524256 | BONY | 58 | DAIWA | 3/11/2019 | 3/12/2019 | 3/12/2019 | Matured | 2.25 | 2.25 | 11,369,000 | 11,369,000 | - | - | 711 | - | - | 11,369,711 |
| FUND 9900 | REPO INT | 524274 | BONY | 58 | DAIWA | 3/12/2019 | 3/13/2019 | 3/12/2019 | Purchased | 2.25 | 2.25 | 12,971,000 | 12,971,000 | - | - | - | - | - | 12,971,000 |
| FUND 9900 | REPO INT | 524274 | BONY | 58 | DAIWA | 3/12/2019 | 3/13/2019 | 3/13/2019 | Matured | 2.25 | 2.25 | 12,971,000 | 12,971,000 | - | - | 811 | - | - | 12,971,811 |
| FUND 9900 | COMM PAPER | 524284 | BONY | 58 | MERIL | 3/13/2019 | 3/20/2019 | 3/13/2019 | Purchased | 2.38 | 2.381 | 10,000,000 | 9,995,372 | 4,628 | - | - | - | - | 9,995,372 |
| FUND 9900 | REPO INT | 524286 | BONY | 58 | DAIWA | 3/13/2019 | 3/14/2019 | 3/13/2019 | Purchased | 2.25 | 2.25 | 12,443,000 | 12,443,000 | - | - | - | - | - | 12,443,000 |
| FUND 9900 | REPO INT | 524286 | BONY | 58 | DAIWA | 3/13/2019 | 3/14/2019 | 3/14/2019 | Matured | 2.25 | 2.25 | 12,443,000 | 12,443,000 | - | - | 778 | - | - | 12,443,778 |
| FUND 9900 | REPO INT | 524301 | BONY | 58 | DAIWA | 3/14/2019 | 3/15/2019 | 3/14/2019 | Purchased | 2.25 | 2.25 | 15,239,000 | 15,239,000 | - | - | - | - | - | 15,239,000 |
| FUND 9900 | REPO INT | 524301 | BONY | 58 | DAIWA | 3/14/2019 | 3/15/2019 | 3/15/2019 | Matured | 2.25 | 2.25 | 15,239,000 | 15,239,000 | - | - | 952 | - | - | 15,239,952 |
| FUND 9900 | REPO INT | 524313 | BONY | 58 | DAIWA | 3/15/2019 | 3/18/2019 | 3/15/2019 | Purchased | 2.3 | 2.3 | 17,474,000 | 17,474,000 | - | - | - | - | - | 17,474,000 |
| FUND 9900 | COMM PAPER | 524252 | BONY | 58 | MERIL | 3/11/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.4 | 2.401 | 10,000,000 | 9,995,333 | - | - | 4,667 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 524313 | BONY | 58 | DAIWA | 3/15/2019 | 3/18/2019 | 3/18/2019 | Matured | 2.3 | 2.3 | 17,474,000 | 17,474,000 | - | - | 3,349 | - | - | 17,477,349 |
| FUND 9900 | COMM PAPER | 524321 | BONY | 58 | MERIL | 3/18/2019 | 3/21/2019 | 3/18/2019 | Purchased | 2.36 | 2.36 | 15,000,000 | 14,997,050 | 2,950 | - | - | - | - | 14,997,050 |
| FUND 9900 | REPO INT | 524323 | BONY | 58 | DAIWA | 3/18/2019 | 3/19/2019 | 3/18/2019 | Purchased | 2.3 | 2.3 | 14,019,000 | 14,019,000 | - | - | - | - | - | 14,019,000 |
| FUND 9900 | REPO INT | 524323 | BONY | 58 | DAIWA | 3/18/2019 | 3/19/2019 | 3/19/2019 | Matured | 2.3 | 2.3 | 14,019,000 | 14,019,000 | - | - | 896 | - | - | 14,019,896 |
| FUND 9900 | COMM PAPER | 524352 | BONY | 58 | RBC | 3/19/2019 | 3/21/2019 | 3/19/2019 | Purchased | 2.36 | 2.36 | 20,000,000 | 19,997,378 | 2,622 | - | - | - | - | 19,997,378 |
| FUND 9900 | REPO INT | 524359 | BONY | 58 | DAIWA | 3/19/2019 | 3/20/2019 | 3/19/2019 | Purchased | 2.3 | 2.3 | 5,379,000 | 5,379,000 | - | - | - | - | - | 5,379,000 |
| FUND 9900 | COMM PAPER | 524205 | BONY | 58 | MERIL | 3/6/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524233 | BONY | 58 | WELLB | 3/7/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.4 | 2.402 | 10,000,000 | 9,991,333 | - | - | 8,667 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 524242 | BONY | 58 | MERIL | 3/8/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,960,000 | - | - | 40,000 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524284 | BONY | 58 | MERIL | 3/13/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.38 | 2.381 | 10,000,000 | 9,995,372 | - | - | 4,628 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 524359 | BONY | 58 | DAIWA | 3/19/2019 | 3/20/2019 | 3/20/2019 | Matured | 2.3 | 2.3 | 5,379,000 | 5,379,000 | - | - | 344 | - | - | 5,379,344 |
| FUND 9900 | COMM PAPER | 524373 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 9900 | COMM PAPER | 524374 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 9900 | COMM PAPER | 524375 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.36 | 2.36 | 25,000,000 | 24,998,361 | 1,639 | - | - | - | - | 24,998,361 |
| FUND 9900 | REPO INT | 524377 | BONY | 58 | DAIWA | 3/20/2019 | 3/21/2019 | 3/20/2019 | Purchased | 2.3 | 2.3 | 13,550,000 | 13,550,000 | - | - | - | - | - | 13,550,000 |
| FUND 9900 | COMM PAPER | 524321 | BONY | 58 | MERIL | 3/18/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.36 | 2.36 | 15,000,000 | 14,997,050 | - | - | 2,950 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 524352 | BONY | 58 | RBC | 3/19/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.36 | 2.36 | 20,000,000 | 19,997,378 | - | - | 2,622 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 524373 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524374 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524375 | BONY | 58 | MERIL | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.36 | 2.36 | 25,000,000 | 24,998,361 | - | - | 1,639 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 524377 | BONY | 58 | DAIWA | 3/20/2019 | 3/21/2019 | 3/21/2019 | Matured | 2.3 | 2.3 | 13,550,000 | 13,550,000 | - | - | 866 | - | - | 13,550,866 |
| FUND 9900 | COMM PAPER | 524386 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | COMM PAPER | 524387 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 9900 | COMM PAPER | 524388 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 50,000,000 | 49,996,722 | 3,278 | - | - | - | - | 49,996,722 |
| FUND 9900 | COMM PAPER | 524389 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.36 | 2.36 | 30,000,000 | 29,998,033 | 1,967 | - | - | - | - | 29,998,033 |
| FUND 9900 | REPO INT | 524398 | BONY | 58 | DAIWA | 3/21/2019 | 3/22/2019 | 3/21/2019 | Purchased | 2.3 | 2.3 | 9,144,000 | 9,144,000 | - | - | - | - | - | 9,144,000 |
| FUND 9900 | COMM PAPER | 524386 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524387 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524388 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 50,000,000 | 49,996,722 | - | - | 3,278 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524389 | BONY | 58 | MERIL | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.36 | 2.36 | 30,000,000 | 29,998,033 | - | - | 1,967 | - | - | 30,000,000 |
| FUND 9900 | REPO INT | 524398 | BONY | 58 | DAIWA | 3/21/2019 | 3/22/2019 | 3/22/2019 | Matured | 2.3 | 2.3 | 9,144,000 | 9,144,000 | - | - | 584 | - | - | 9,144,584 |
| FUND 9900 | COMM PAPER | 524404 | BONY | 58 | RBC | 3/22/2019 | 4/22/2019 | 3/22/2019 | Purchased | 2.492 | 2.498 | 50,000,000 | 49,892,684 | 107,316 | - | - | - | - | 49,892,684 |
| FUND 9900 | COMM PAPER | 524405 | BONY | 58 | RBC | 3/22/2019 | 4/22/2019 | 3/22/2019 | Purchased | 2.492 | 2.498 | 30,000,000 | 29,935,610 | 64,390 | - | - | - | - | 29,935,610 |
| FUND 9900 | REPO INT | 524414 | BONY | 58 | DAIWA | 3/22/2019 | 3/25/2019 | 3/22/2019 | Purchased | 2.3 | 2.3 | 12,935,000 | 12,935,000 | - | - | - | - | - | 12,935,000 |
| FUND 9900 | REPO INT | 524414 | BONY | 58 | DAIWA | 3/22/2019 | 3/25/2019 | 3/25/2019 | Matured | 2.3 | 2.3 | 12,935,000 | 12,935,000 | - | - | 2,479 | - | - | 12,937,479 |
| FUND 9900 | REPO INT | 524419 | BONY | 58 | DAIWA | 3/25/2019 | 3/26/2019 | 3/25/2019 | Purchased | 2.25 | 2.25 | 17,245,000 | 17,245,000 | - | - | - | - | - | 17,245,000 |
| FUND 9900 | REPO INT | 524419 | BONY | 58 | DAIWA | 3/25/2019 | 3/26/2019 | 3/26/2019 | Matured | 2.25 | 2.25 | 17,245,000 | 17,245,000 | - | - | 1,078 | - | - | 17,246,078 |
| FUND 9900 | REPO INT | 524436 | BONY | 58 | DAIWA | 3/26/2019 | 3/27/2019 | 3/26/2019 | Purchased | 2.25 | 2.25 | 18,613,000 | 18,613,000 | - | - | - | - | - | 18,613,000 |
| FUND 9900 | REPO INT | 524436 | BONY | 58 | DAIWA | 3/26/2019 | 3/27/2019 | 3/27/2019 | Matured | 2.25 | 2.25 | 18,613,000 | 18,613,000 | - | - | 1,163 | - | - | 18,614,163 |
| FUND 9900 | COMM PAPER | 524442 | BONY | 58 | MERIL | 3/27/2019 | 4/17/2019 | 3/27/2019 | Purchased | 2.44 | 2.443 | 12,000,000 | 11,982,920 | 17,080 | - | - | - | - | 11,982,920 |
| FUND 9900 | REPO INT | 524444 | BONY | 58 | DAIWA | 3/27/2019 | 3/28/2019 | 3/27/2019 | Purchased | 2.25 | 2.25 | 14,817,000 | 14,817,000 | - | - | - | - | - | 14,817,000 |
| FUND 9900 | REPO INT | 524444 | BONY | 58 | DAIWA | 3/27/2019 | 3/28/2019 | 3/28/2019 | Matured | 2.25 | 2.25 | 14,817,000 | 14,817,000 | - | - | 926 | - | - | 14,817,926 |
| FUND 9900 | REPO INT | 524457 | BONY | 58 | DAIWA | 3/28/2019 | 3/29/2019 | 3/28/2019 | Purchased | 2.3 | 2.3 | 19,798,000 | 19,798,000 | - | - | - | - | - | 19,798,000 |
| FUND 9900 | T-BILL | 524459 | BONY | 58 | DAIWA | 3/28/2019 | 4/18/2019 | 3/28/2019 | Purchased | 2.35 | 2.353 | 501,000 | 500,313 | 687 | - | - | - | - | 500,313 |
| FUND 9900 | REPO INT | 524457 | BONY | 58 | DAIWA | 3/28/2019 | 3/29/2019 | 3/29/2019 | Matured | 2.3 | 2.3 | 19,798,000 | 19,798,000 | - | - | 1,265 | - | - | 19,799,265 |
| FUND 9900 | REPO INT | 524467 | BONY | 58 | DAIWA | 3/29/2019 | 4/1/2019 | 3/29/2019 | Purchased | 2.35 | 2.35 | 19,079,000 | 19,079,000 | - | - | - | - | - | 19,079,000 |
| FUND 9900 | REPO INT | 524467 | BONY | 58 | DAIWA | 3/29/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.35 | 2.35 | 19,079,000 | 19,079,000 | - | - | 3,736 | - | - | 19,082,736 |
| FUND 9900 | REPO INT | 524477 | BONY | 58 | DAIWA | 4/1/2019 | 4/2/2019 | 4/1/2019 | Purchased | 2.3 | 2.3 | 26,854,000 | 26,854,000 | - | - | - | - | - | 26,854,000 |
| FUND 9900 | REPO INT | 524477 | BONY | 58 | DAIWA | 4/1/2019 | 4/2/2019 | 4/2/2019 | Matured | 2.3 | 2.3 | 26,854,000 | 26,854,000 | - | - | 1,716 | - | - | 26,855,716 |
| FUND 9900 | COMM PAPER | 524486 | BONY | 58 | RBC | 4/2/2019 | 4/22/2019 | 4/2/2019 | Purchased | 2.415 | 2.418 | 17,000,000 | 16,977,192 | 22,808 | - | - | - | - | 16,977,192 |
| FUND 9900 | REPO INT | 524488 | BONY | 58 | DAIWA | 4/2/2019 | 4/3/2019 | 4/2/2019 | Purchased | 2.3 | 2.3 | 13,239,000 | 13,239,000 | - | - | - | - | - | 13,239,000 |
| FUND 9900 | REPO INT | 524488 | BONY | 58 | DAIWA | 4/2/2019 | 4/3/2019 | 4/3/2019 | Matured | 2.3 | 2.3 | 13,239,000 | 13,239,000 | - | - | 846 | - | - | 13,239,846 |
| FUND 9900 | REPO INT | 524503 | BONY | 58 | DAIWA | 4/3/2019 | 4/4/2019 | 4/3/2019 | Purchased | 2.3 | 2.3 | 12,454,000 | 12,454,000 | - | - | - | - | - | 12,454,000 |
| FUND 9900 | REPO INT | 524503 | BONY | 58 | DAIWA | 4/3/2019 | 4/4/2019 | 4/4/2019 | Matured | 2.3 | 2.3 | 12,454,000 | 12,454,000 | - | - | 796 | - | - | 12,454,796 |
| FUND 9900 | REPO INT | 524524 | BONY | 58 | DAIWA | 4/4/2019 | 4/5/2019 | 4/4/2019 | Purchased | 2.3 | 2.3 | 17,492,000 | 17,492,000 | - | - | - | - | - | 17,492,000 |
| FUND 9900 | REPO INT | 524524 | BONY | 58 | DAIWA | 4/4/2019 | 4/5/2019 | 4/5/2019 | Matured | 2.3 | 2.3 | 17,492,000 | 17,492,000 | - | - | 1,118 | - | - | 17,493,118 |
| FUND 9900 | COMM PAPER | 524531 | BONY | 58 | RBC | 4/5/2019 | 4/22/2019 | 4/5/2019 | Purchased | 2.4 | 2.403 | 12,000,000 | 11,986,400 | 13,600 | - | - | - | - | 11,986,400 |
| FUND 9900 | REPO INT | 524533 | BONY | 58 | DAIWA | 4/5/2019 | 4/8/2019 | 4/5/2019 | Purchased | 2.25 | 2.25 | 12,198,000 | 12,198,000 | - | - | - | - | - | 12,198,000 |
| FUND 9900 | REPO INT | 524533 | BONY | 58 | DAIWA | 4/5/2019 | 4/8/2019 | 4/8/2019 | Matured | 2.25 | 2.25 | 12,198,000 | 12,198,000 | - | - | 2,287 | - | - | 12,200,287 |
| FUND 9900 | REPO INT | 524540 | BONY | 58 | DAIWA | 4/8/2019 | 4/9/2019 | 4/8/2019 | Purchased | 2.3 | 2.3 | 18,201,000 | 18,201,000 | - | - | - | - | - | 18,201,000 |
| FUND 9900 | REPO INT | 524540 | BONY | 58 | DAIWA | 4/8/2019 | 4/9/2019 | 4/9/2019 | Matured | 2.3 | 2.3 | 18,201,000 | 18,201,000 | - | - | 1,163 | - | - | 18,202,163 |
| FUND 9900 | COMM PAPER | 524548 | BONY | 58 | RBC | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.4 | 2.4 | 13,015,000 | 13,014,132 | 868 | - | - | - | - | 13,014,132 |
| FUND 9900 | REPO INT | 524557 | BONY | 58 | DAIWA | 4/9/2019 | 4/10/2019 | 4/9/2019 | Purchased | 2.3 | 2.3 | 9,552,000 | 9,552,000 | - | - | - | - | - | 9,552,000 |
| FUND 9900 | COMM PAPER | 524548 | BONY | 58 | RBC | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.4 | 2.4 | 13,015,000 | 13,014,132 | - | - | 868 | - | - | 13,015,000 |
| FUND 9900 | REPO INT | 524557 | BONY | 58 | DAIWA | 4/9/2019 | 4/10/2019 | 4/10/2019 | Matured | 2.3 | 2.3 | 9,552,000 | 9,552,000 | - | - | 610 | - | - | 9,552,610 |
| FUND 9900 | COMM PAPER | 524566 | BONY | 58 | MERIL | 4/10/2019 | 4/17/2019 | 4/10/2019 | Purchased | 2.39 | 2.391 | 15,000,000 | 14,993,029 | 6,971 | - | - | - | - | 14,993,029 |
| FUND 9900 | REPO INT | 524571 | BONY | 58 | DAIWA | 4/10/2019 | 4/11/2019 | 4/10/2019 | Purchased | 2.3 | 2.3 | 12,765,000 | 12,765,000 | - | - | - | - | - | 12,765,000 |
| FUND 9900 | REPO INT | 524571 | BONY | 58 | DAIWA | 4/10/2019 | 4/11/2019 | 4/11/2019 | Matured | 2.3 | 2.3 | 12,765,000 | 12,765,000 | - | - | 816 | - | - | 12,765,816 |
| FUND 9900 | REPO INT | 524607 | BONY | 58 | DAIWA | 4/11/2019 | 4/12/2019 | 4/11/2019 | Purchased | 2.3 | 2.3 | 14,330,000 | 14,330,000 | - | - | - | - | - | 14,330,000 |
| FUND 9900 | REPO INT | 524607 | BONY | 58 | DAIWA | 4/11/2019 | 4/12/2019 | 4/12/2019 | Matured | 2.3 | 2.3 | 14,330,000 | 14,330,000 | - | - | 916 | - | - | 14,330,916 |
| FUND 9900 | COMM PAPER | 524615 | BONY | 58 | MERIL | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.4 | 2.4 | 10,000,000 | 9,998,000 | 2,000 | - | - | - | - | 9,998,000 |
| FUND 9900 | REPO INT | 524616 | BONY | 58 | DAIWA | 4/12/2019 | 4/15/2019 | 4/12/2019 | Purchased | 2.3 | 2.3 | 9,739,000 | 9,739,000 | - | - | - | - | - | 9,739,000 |
| FUND 9900 | COMM PAPER | 524615 | BONY | 58 | MERIL | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.4 | 2.4 | 10,000,000 | 9,998,000 | - | - | 2,000 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 524616 | BONY | 58 | DAIWA | 4/12/2019 | 4/15/2019 | 4/15/2019 | Matured | 2.3 | 2.3 | 9,739,000 | 9,739,000 | - | - | 1,867 | - | - | 9,740,867 |
| FUND 9900 | COMM PAPER | 524626 | BONY | 58 | MERIL | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.4 | 2.4 | 15,000,000 | 14,999,000 | 1,000 | - | - | - | - | 14,999,000 |
| FUND 9900 | REPO INT | 524631 | BONY | 58 | DAIWA | 4/15/2019 | 4/16/2019 | 4/15/2019 | Purchased | 2.3 | 2.3 | 13,101,000 | 13,101,000 | - | - | - | - | - | 13,101,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | COMM PAPER | 524626 | BONY | 58 | MERIL | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.4 | 2.4 | 15,000,000 | 14,999,000 | - | - | 1,000 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 524631 | BONY | 58 | DAIWA | 4/15/2019 | 4/16/2019 | 4/16/2019 | Matured | 2.3 | 2.3 | 13,101,000 | 13,101,000 | - | - | 837 | - | - | 13,101,837 |
| FUND 9900 | COMM PAPER | 524639 | BONY | 58 | RBC | 4/16/2019 | 4/23/2019 | 4/16/2019 | Purchased | 2.4 | 2.401 | 25,000,000 | 24,988,333 | 11,667 | - | - | - | - | 24,988,333 |
| FUND 9900 | REPO INT | 524651 | BONY | 58 | DAIWA | 4/16/2019 | 4/17/2019 | 4/16/2019 | Purchased | 2.3 | 2.3 | 7,817,000 | 7,817,000 | - | - | - | - | - | 7,817,000 |
| FUND 9900 | COMM PAPER | 524442 | BONY | 58 | MERIL | 3/27/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.44 | 2.443 | 12,000,000 | 11,982,920 | - | - | 17,080 | - | - | 12,000,000 |
| FUND 9900 | COMM PAPER | 524566 | BONY | 58 | MERIL | 4/10/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.39 | 2.391 | 15,000,000 | 14,993,029 | - | - | 6,971 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 524651 | BONY | 58 | DAIWA | 4/16/2019 | 4/17/2019 | 4/17/2019 | Matured | 2.3 | 2.3 | 7,817,000 | 7,817,000 | - | - | 499 | - | - | 7,817,499 |
| FUND 9900 | COMM PAPER | 524661 | BONY | 58 | MERIL | 4/17/2019 | 4/23/2019 | 4/17/2019 | Purchased | 2.39 | 2.391 | 40,000,000 | 39,984,067 | 15,933 | - | - | - | - | 39,984,067 |
| FUND 9900 | REPO INT | 524663 | BONY | 58 | DAIWA | 4/17/2019 | 4/18/2019 | 4/17/2019 | Purchased | 2.4 | 2.4 | 8,440,000 | 8,440,000 | - | - | - | - | - | 8,440,000 |
| FUND 9900 | T-BILL | 524459 | BONY | 58 | DAIWA | 3/28/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.35 | 2.353 | 501,000 | 500,313 | - | - | 687 | - | - | 501,000 |
| FUND 9900 | REPO INT | 524663 | BONY | 58 | DAIWA | 4/17/2019 | 4/18/2019 | 4/18/2019 | Matured | 2.4 | 2.4 | 8,440,000 | 8,440,000 | - | - | 563 | - | - | 8,440,563 |
| FUND 9900 | REPO INT | 524684 | BONY | 58 | DAIWA | 4/18/2019 | 4/22/2019 | 4/18/2019 | Purchased | 2.4 | 2.4 | 16,649,000 | 16,649,000 | - | - | - | - | - | 16,649,000 |
| FUND 9900 | COMM PAPER | 524404 | BONY | 58 | RBC | 3/22/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.492 | 2.498 | 50,000,000 | 49,892,684 | - | - | 107,316 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524405 | BONY | 58 | RBC | 3/22/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.492 | 2.498 | 30,000,000 | 29,935,610 | - | - | 64,390 | - | - | 30,000,000 |
| FUND 9900 | COMM PAPER | 524486 | BONY | 58 | RBC | 4/2/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.415 | 2.418 | 17,000,000 | 16,977,192 | - | - | 22,808 | - | - | 17,000,000 |
| FUND 9900 | COMM PAPER | 524531 | BONY | 58 | RBC | 4/5/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.403 | 12,000,000 | 11,986,400 | - | - | 13,600 | - | - | 12,000,000 |
| FUND 9900 | REPO INT | 524684 | BONY | 58 | DAIWA | 4/18/2019 | 4/22/2019 | 4/22/2019 | Matured | 2.4 | 2.4 | 16,649,000 | 16,649,000 | - | - | 4,440 | - | - | 16,653,440 |
| FUND 9900 | COMM PAPER | 524690 | BONY | 58 | RBC | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 9900 | COMM PAPER | 524691 | BONY | 58 | RBC | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.38 | 2.38 | 50,000,000 | 49,996,694 | 3,306 | - | - | - | - | 49,996,694 |
| FUND 9900 | REPO INT | 524696 | BONY | 58 | DAIWA | 4/22/2019 | 4/23/2019 | 4/22/2019 | Purchased | 2.3 | 2.3 | 38,454,000 | 38,454,000 | - | - | - | - | - | 38,454,000 |
| FUND 9900 | COMM PAPER | 524639 | BONY | 58 | RBC | 4/16/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.4 | 2.401 | 25,000,000 | 24,988,333 | - | - | 11,667 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 524661 | BONY | 58 | MERIL | 4/17/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.39 | 2.391 | 40,000,000 | 39,984,067 | - | - | 15,933 | - | - | 40,000,000 |
| FUND 9900 | COMM PAPER | 524690 | BONY | 58 | RBC | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524691 | BONY | 58 | RBC | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.38 | 2.38 | 50,000,000 | 49,996,694 | - | - | 3,306 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 524696 | BONY | 58 | DAIWA | 4/22/2019 | 4/23/2019 | 4/23/2019 | Matured | 2.3 | 2.3 | 38,454,000 | 38,454,000 | - | - | 2,457 | - | - | 38,456,457 |
| FUND 9900 | COMM PAPER | 524718 | BONY | 58 | RBC | 4/23/2019 | 5/21/2019 | 4/23/2019 | Purchased | 2.43 | 2.435 | 50,000,000 | 49,905,500 | 94,500 | - | - | - | - | 49,905,500 |
| FUND 9900 | REPO INT | 524728 | BONY | 58 | DAIWA | 4/23/2019 | 4/24/2019 | 4/23/2019 | Purchased | 2.35 | 2.35 | 27,020,000 | 27,020,000 | - | - | - | - | - | 27,020,000 |
| FUND 9900 | REPO INT | 524728 | BONY | 58 | DAIWA | 4/23/2019 | 4/24/2019 | 4/24/2019 | Matured | 2.35 | 2.35 | 27,020,000 | 27,020,000 | - | - | 1,764 | - | - | 27,021,764 |
| FUND 9900 | COMM PAPER | 524741 | BONY | 58 | RBC | 4/24/2019 | 5/21/2019 | 4/24/2019 | Purchased | 2.43 | 2.434 | 20,000,000 | 19,963,550 | 36,450 | - | - | - | - | 19,963,550 |
| FUND 9900 | REPO INT | 524742 | BONY | 58 | DAIWA | 4/24/2019 | 4/25/2019 | 4/24/2019 | Purchased | 2.3 | 2.3 | 20,450,000 | 20,450,000 | - | - | - | - | - | 20,450,000 |
| FUND 9900 | REPO INT | 524742 | BONY | 58 | DAIWA | 4/24/2019 | 4/25/2019 | 4/25/2019 | Matured | 2.3 | 2.3 | 20,450,000 | 20,450,000 | - | - | 1,307 | - | - | 20,451,307 |
| FUND 9900 | COMM PAPER | 524749 | BONY | 58 | MERIL | 4/25/2019 | 5/21/2019 | 4/25/2019 | Purchased | 2.42 | 2.424 | 10,000,000 | 9,982,522 | 17,478 | - | - | - | - | 9,982,522 |
| FUND 9900 | REPO INT | 524751 | BONY | 58 | DAIWA | 4/25/2019 | 4/26/2019 | 4/25/2019 | Purchased | 2.3 | 2.3 | 16,501,000 | 16,501,000 | - | - | - | - | - | 16,501,000 |
| FUND 9900 | REPO INT | 524751 | BONY | 58 | DAIWA | 4/25/2019 | 4/26/2019 | 4/26/2019 | Matured | 2.3 | 2.3 | 16,501,000 | 16,501,000 | - | - | 1,054 | - | - | 16,502,054 |
| FUND 9900 | REPO INT | 524757 | BONY | 58 | DAIWA | 4/26/2019 | 4/29/2019 | 4/26/2019 | Purchased | 2.3 | 2.3 | 18,616,000 | 18,616,000 | - | - | - | - | - | 18,616,000 |
| FUND 9900 | REPO INT | 524757 | BONY | 58 | DAIWA | 4/26/2019 | 4/29/2019 | 4/29/2019 | Matured | 2.3 | 2.3 | 18,616,000 | 18,616,000 | - | - | 3,568 | - | - | 18,619,568 |
| FUND 9900 | REPO INT | 524763 | BONY | 58 | DAIWA | 4/29/2019 | 4/30/2019 | 4/29/2019 | Purchased | 2.4 | 2.4 | 25,228,000 | 25,228,000 | - | - | - | - | - | 25,228,000 |
| FUND 9900 | REPO INT | 524763 | BONY | 58 | DAIWA | 4/29/2019 | 4/30/2019 | 4/30/2019 | Matured | 2.4 | 2.4 | 25,228,000 | 25,228,000 | - | - | 1,682 | - | - | 25,229,682 |
| FUND 9900 | REPO INT | 524773 | BONY | 58 | DAIWA | 4/30/2019 | 5/1/2019 | 4/30/2019 | Purchased | 2.5 | 2.5 | 23,563,000 | 23,563,000 | - | - | - | - | - | 23,563,000 |
| FUND 9900 | REPO INT | 524773 | BONY | 58 | DAIWA | 4/30/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.5 | 2.5 | 23,563,000 | 23,563,000 | - | - | 1,636 | - | - | 23,564,636 |
| FUND 9900 | COMM PAPER | 524788 | BONY | 58 | MERIL | 5/1/2019 | 5/21/2019 | 5/1/2019 | Purchased | 2.42 | 2.423 | 20,000,000 | 19,973,111 | 26,889 | - | - | - | - | 19,973,111 |
| FUND 9900 | REPO INT | 524794 | BONY | 58 | DAIWA | 5/1/2019 | 5/2/2019 | 5/1/2019 | Purchased | 2.4 | 2.4 | 17,908,000 | 17,908,000 | - | - | - | - | - | 17,908,000 |
| FUND 9900 | REPO INT | 524794 | BONY | 58 | DAIWA | 5/1/2019 | 5/2/2019 | 5/2/2019 | Matured | 2.4 | 2.4 | 17,908,000 | 17,908,000 | - | - | 1,194 | - | - | 17,909,194 |
| FUND 9900 | REPO INT | 524806 | BONY | 58 | DAIWA | 5/2/2019 | 5/3/2019 | 5/2/2019 | Purchased | 2.4 | 2.4 | 24,148,000 | 24,148,000 | - | - | - | - | - | 24,148,000 |
| FUND 9900 | REPO INT | 524806 | BONY | 58 | DAIWA | 5/2/2019 | 5/3/2019 | 5/3/2019 | Matured | 2.4 | 2.4 | 24,148,000 | 24,148,000 | - | - | 1,610 | - | - | 24,149,610 |
| FUND 9900 | REPO INT | 524814 | BONY | 58 | DAIWA | 5/3/2019 | 5/6/2019 | 5/3/2019 | Purchased | 2.35 | 2.35 | 11,893,000 | 11,893,000 | - | - | - | - | - | 11,893,000 |
| FUND 9900 | COMM PAPER | 524839 | BONY | 58 | RBC | 5/3/2019 | 5/21/2019 | 5/3/2019 | Purchased | 2.4 | 2.403 | 20,000,000 | 19,976,000 | 24,000 | - | - | - | - | 19,976,000 |
| FUND 9900 | REPO INT | 524814 | BONY | 58 | DAIWA | 5/3/2019 | 5/6/2019 | 5/6/2019 | Matured | 2.35 | 2.35 | 11,893,000 | 11,893,000 | - | - | 2,329 | - | - | 11,895,329 |
| FUND 9900 | REPO INT | 524825 | BONY | 58 | DAIWA | 5/6/2019 | 5/7/2019 | 5/6/2019 | Purchased | 2.4 | 2.4 | 18,408,000 | 18,408,000 | - | - | - | - | - | 18,408,000 |
| FUND 9900 | REPO INT | 524825 | BONY | 58 | DAIWA | 5/6/2019 | 5/7/2019 | 5/7/2019 | Matured | 2.4 | 2.4 | 18,408,000 | 18,408,000 | - | - | 1,227 | - | - | 18,409,227 |
| FUND 9900 | COMM PAPER | 524827 | BONY | 58 | RBC | 5/7/2019 | 5/21/2019 | 5/7/2019 | Purchased | 2.41 | 2.412 | 15,000,000 | 14,985,942 | 14,058 | - | - | - | - | 14,985,942 |
| FUND 9900 | REPO INT | 524837 | BONY | 58 | DAIWA | 5/7/2019 | 5/8/2019 | 5/7/2019 | Purchased | 2.4 | 2.4 | 13,466,000 | 13,466,000 | - | - | - | - | - | 13,466,000 |
| FUND 9900 | REPO INT | 524837 | BONY | 58 | DAIWA | 5/7/2019 | 5/8/2019 | 5/8/2019 | Matured | 2.4 | 2.4 | 13,466,000 | 13,466,000 | - | - | 898 | - | - | 13,466,898 |
| FUND 9900 | COMM PAPER | 524845 | BONY | 58 | MERIL | 5/8/2019 | 5/21/2019 | 5/8/2019 | Purchased | 2.38 | 2.382 | 10,000,000 | 9,991,406 | 8,594 | - | - | - | - | 9,991,406 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 524846 | BONY | 58 | DAIWA | 5/8/2019 | 5/9/2019 | 5/8/2019 | Purchased | 2.35 | 2.35 | 14,034,000 | 14,034,000 | - | - | - | - | - | 14,034,000 |
| FUND 9900 | REPO INT | 524846 | BONY | 58 | DAIWA | 5/8/2019 | 5/9/2019 | 5/9/2019 | Matured | 2.35 | 2.35 | 14,034,000 | 14,034,000 | - | - | 916 | - | - | 14,034,916 |
| FUND 9900 | REPO INT | 524869 | BONY | 58 | DAIWA | 5/9/2019 | 5/10/2019 | 5/9/2019 | Purchased | 2.35 | 2.35 | 21,166,000 | 21,166,000 | - | - | - | - | - | 21,166,000 |
| FUND 9900 | REPO INT | 524869 | BONY | 58 | DAIWA | 5/9/2019 | 5/10/2019 | 5/10/2019 | Matured | 2.35 | 2.35 | 21,166,000 | 21,166,000 | - | - | 1,382 | - | - | 21,167,382 |
| FUND 9900 | REPO INT | 524882 | BONY | 58 | DAIWA | 5/10/2019 | 5/13/2019 | 5/10/2019 | Purchased | 2.35 | 2.35 | 28,406,000 | 28,406,000 | - | - | - | - | - | 28,406,000 |
| FUND 9900 | REPO INT | 524882 | BONY | 58 | DAIWA | 5/10/2019 | 5/13/2019 | 5/13/2019 | Matured | 2.35 | 2.35 | 28,406,000 | 28,406,000 | - | - | 5,563 | - | - | 28,411,563 |
| FUND 9900 | REPO INT | 524893 | BONY | 58 | DAIWA | 5/13/2019 | 5/14/2019 | 5/13/2019 | Purchased | 2.35 | 2.35 | 30,130,000 | 30,130,000 | - | - | - | - | - | 30,130,000 |
| FUND 9900 | REPO INT | 524893 | BONY | 58 | DAIWA | 5/13/2019 | 5/14/2019 | 5/14/2019 | Matured | 2.35 | 2.35 | 30,130,000 | 30,130,000 | - | - | 1,967 | - | - | 30,131,967 |
| FUND 9900 | COMM PAPER | 524903 | BONY | 58 | WELLB | 5/14/2019 | 5/28/2019 | 5/14/2019 | Purchased | 2.4 | 2.402 | 20,000,000 | 19,981,333 | 18,667 | - | - | - | - | 19,981,333 |
| FUND 9900 | REPO INT | 524907 | BONY | 58 | DAIWA | 5/14/2019 | 5/15/2019 | 5/14/2019 | Purchased | 2.35 | 2.35 | 8,535,000 | 8,535,000 | - | - | - | - | - | 8,535,000 |
| FUND 9900 | REPO INT | 524907 | BONY | 58 | DAIWA | 5/14/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.35 | 2.35 | 8,535,000 | 8,535,000 | - | - | 557 | - | - | 8,535,557 |
| FUND 9900 | REPO INT | 524948 | BONY | 58 | DAIWA | 5/15/2019 | 5/16/2019 | 5/15/2019 | Purchased | 2.4 | 2.4 | 22,212,000 | 22,212,000 | - | - | - | - | - | 22,212,000 |
| FUND 9900 | REPO INT | 524948 | BONY | 58 | DAIWA | 5/15/2019 | 5/16/2019 | 5/16/2019 | Matured | 2.4 | 2.4 | 22,212,000 | 22,212,000 | - | - | 1,481 | - | - | 22,213,481 |
| FUND 9900 | COMM PAPER | 524964 | BONY | 58 | RBC | 5/16/2019 | 5/28/2019 | 5/16/2019 | Purchased | 2.37 | 2.372 | 15,000,000 | 14,988,150 | 11,850 | - | - | - | - | 14,988,150 |
| FUND 9900 | REPO INT | 524973 | BONY | 58 | DAIWA | 5/16/2019 | 5/17/2019 | 5/16/2019 | Purchased | 2.4 | 2.4 | 16,431,000 | 16,431,000 | - | - | - | - | - | 16,431,000 |
| FUND 9900 | REPO INT | 524973 | BONY | 58 | DAIWA | 5/16/2019 | 5/17/2019 | 5/17/2019 | Matured | 2.4 | 2.4 | 16,431,000 | 16,431,000 | - | - | 1,095 | - | - | 16,432,095 |
| FUND 9900 | COMM PAPER | 524985 | BONY | 58 | RBC | 5/17/2019 | 5/28/2019 | 5/17/2019 | Purchased | 2.38 | 2.382 | 10,000,000 | 9,992,728 | 7,272 | - | - | - | - | 9,992,728 |
| FUND 9900 | REPO INT | 524988 | BONY | 58 | DAIWA | 5/17/2019 | 5/20/2019 | 5/17/2019 | Purchased | 2.35 | 2.35 | 13,897,000 | 13,897,000 | - | - | - | - | - | 13,897,000 |
| FUND 9900 | REPO INT | 524988 | BONY | 58 | DAIWA | 5/17/2019 | 5/20/2019 | 5/20/2019 | Matured | 2.35 | 2.35 | 13,897,000 | 13,897,000 | - | - | 2,722 | - | - | 13,899,722 |
| FUND 9900 | REPO INT | 525003 | BONY | 58 | DAIWA | 5/20/2019 | 5/21/2019 | 5/20/2019 | Purchased | 2.3 | 2.3 | 19,309,000 | 19,309,000 | - | - | - | - | - | 19,309,000 |
| FUND 9900 | COMM PAPER | 524718 | BONY | 58 | RBC | 4/23/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.43 | 2.435 | 50,000,000 | 49,905,500 | - | - | 94,500 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 524741 | BONY | 58 | RBC | 4/24/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.43 | 2.434 | 20,000,000 | 19,963,550 | - | - | 36,450 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 524749 | BONY | 58 | MERIL | 4/25/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.42 | 2.424 | 10,000,000 | 9,982,522 | - | - | 17,478 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 524788 | BONY | 58 | MERIL | 5/1/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.42 | 2.423 | 20,000,000 | 19,973,111 | - | - | 26,889 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 524827 | BONY | 58 | RBC | 5/7/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.41 | 2.412 | 15,000,000 | 14,985,942 | - | - | 14,058 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 524839 | BONY | 58 | RBC | 5/3/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.4 | 2.403 | 20,000,000 | 19,976,000 | - | - | 24,000 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 524845 | BONY | 58 | MERIL | 5/8/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.38 | 2.382 | 10,000,000 | 9,991,406 | - | - | 8,594 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 525003 | BONY | 58 | DAIWA | 5/20/2019 | 5/21/2019 | 5/21/2019 | Matured | 2.3 | 2.3 | 19,309,000 | 19,309,000 | - | - | 1,234 | - | - | 19,310,234 |
| FUND 9900 | COMM PAPER | 525009 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/21/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 9900 | COMM PAPER | 525010 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/21/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 9900 | COMM PAPER | 525011 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/21/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 9900 | REPO INT | 525025 | BONY | 58 | DAIWA | 5/21/2019 | 5/22/2019 | 5/21/2019 | Purchased | 2.3 | 2.3 | 15,970,000 | 15,970,000 | - | - | - | - | - | 15,970,000 |
| FUND 9900 | REPO INT | 525025 | BONY | 58 | DAIWA | 5/21/2019 | 5/22/2019 | 5/22/2019 | Matured | 2.3 | 2.3 | 15,970,000 | 15,970,000 | - | - | 1,020 | - | - | 15,971,020 |
| FUND 9900 | REPO INT | 525065 | BONY | 58 | DAIWA | 5/22/2019 | 5/23/2019 | 5/22/2019 | Purchased | 2.3 | 2.3 | 27,503,000 | 27,503,000 | - | - | - | - | - | 27,503,000 |
| FUND 9900 | REPO INT | 525065 | BONY | 58 | DAIWA | 5/22/2019 | 5/23/2019 | 5/23/2019 | Matured | 2.3 | 2.3 | 27,503,000 | 27,503,000 | - | - | 1,757 | - | - | 27,504,757 |
| FUND 9900 | COMM PAPER | 525078 | BONY | 58 | RBC | 5/23/2019 | 5/28/2019 | 5/23/2019 | Purchased | 2.35 | 2.351 | 20,000,000 | 19,993,472 | 6,528 | - | - | - | - | 19,993,472 |
| FUND 9900 | REPO INT | 525084 | BONY | 58 | DAIWA | 5/23/2019 | 5/24/2019 | 5/23/2019 | Purchased | 2.3 | 2.3 | 22,767,000 | 22,767,000 | - | - | - | - | - | 22,767,000 |
| FUND 9900 | REPO INT | 525084 | BONY | 58 | DAIWA | 5/23/2019 | 5/24/2019 | 5/24/2019 | Matured | 2.3 | 2.3 | 22,767,000 | 22,767,000 | - | - | 1,455 | - | - | 22,768,455 |
| FUND 9900 | COMM PAPER | 525096 | BONY | 58 | RBC | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.35 | 2.351 | 10,000,000 | 9,997,389 | 2,611 | - | - | - | - | 9,997,389 |
| FUND 9900 | REPO INT | 525104 | BONY | 58 | DAIWA | 5/24/2019 | 5/28/2019 | 5/24/2019 | Purchased | 2.3 | 2.3 | 14,083,000 | 14,083,000 | - | - | - | - | - | 14,083,000 |
| FUND 9900 | COMM PAPER | 524903 | BONY | 58 | WELLB | 5/14/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.4 | 2.402 | 20,000,000 | 19,981,333 | - | - | 18,667 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 524964 | BONY | 58 | RBC | 5/16/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.37 | 2.372 | 15,000,000 | 14,988,150 | - | - | 11,850 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 524985 | BONY | 58 | RBC | 5/17/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.38 | 2.382 | 10,000,000 | 9,992,728 | - | - | 7,272 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 525009 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525010 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525011 | BONY | 58 | MERIL | 5/21/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525078 | BONY | 58 | RBC | 5/23/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.35 | 2.351 | 20,000,000 | 19,993,472 | - | - | 6,528 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 525096 | BONY | 58 | RBC | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.35 | 2.351 | 10,000,000 | 9,997,389 | - | - | 2,611 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 525104 | BONY | 58 | DAIWA | 5/24/2019 | 5/28/2019 | 5/28/2019 | Matured | 2.3 | 2.3 | 14,083,000 | 14,083,000 | - | - | 3,599 | - | - | 14,086,599 |
| FUND 9900 | COMM PAPER | 525119 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 5/28/2019 | Purchased | 2.39 | 2.393 | 50,000,000 | 49,930,292 | 69,708 | - | - | - | - | 49,930,292 |
| FUND 9900 | COMM PAPER | 525120 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 5/28/2019 | Purchased | 2.39 | 2.393 | 50,000,000 | 49,930,292 | 69,708 | - | - | - | - | 49,930,292 |
| FUND 9900 | COMM PAPER | 525121 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 5/28/2019 | Purchased | 2.39 | 2.393 | 15,000,000 | 14,979,088 | 20,913 | - | - | - | - | 14,979,088 |
| FUND 9900 | REPO INT | 525124 | BONY | 58 | DAIWA | 5/28/2019 | 5/29/2019 | 5/28/2019 | Purchased | 2.3 | 2.3 | 23,989,000 | 23,989,000 | - | - | - | - | - | 23,989,000 |
| FUND 9900 | REPO INT | 525124 | BONY | 58 | DAIWA | 5/28/2019 | 5/29/2019 | 5/29/2019 | Matured | 2.3 | 2.3 | 23,989,000 | 23,989,000 | - | - | 1,533 | - | - | 23,990,533 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 525137 | BONY | 58 | DAIWA | 5/29/2019 | 5/30/2019 | 5/29/2019 | Purchased | 2.3 | 2.3 | 24,284,000 | 24,284,000 | - | - | - | - | - | 24,284,000 |
| FUND 9900 | REPO INT | 525137 | BONY | 58 | DAIWA | 5/29/2019 | 5/30/2019 | 5/30/2019 | Matured | 2.3 | 2.3 | 24,284,000 | 24,284,000 | - | - | 1,551 | - | - | 24,285,551 |
| FUND 9900 | COMM PAPER | 525154 | BONY | 58 | RBC | 5/30/2019 | 6/18/2019 | 5/30/2019 | Purchased | 2.33 | 2.333 | 25,000,000 | 24,969,257 | 30,743 | - | - | - | - | 24,969,257 |
| FUND 9900 | REPO INT | 525158 | BONY | 58 | DAIWA | 5/30/2019 | 5/31/2019 | 5/30/2019 | Purchased | 2.3 | 2.3 | 20,228,000 | 20,228,000 | - | - | - | - | - | 20,228,000 |
| FUND 9900 | REPO INT | 525158 | BONY | 58 | DAIWA | 5/30/2019 | 5/31/2019 | 5/31/2019 | Matured | 2.3 | 2.3 | 20,228,000 | 20,228,000 | - | - | 1,292 | - | - | 20,229,292 |
| FUND 9900 | COMM PAPER | 525164 | BONY | 58 | MERIL | 5/31/2019 | 6/18/2019 | 5/31/2019 | Purchased | 2.35 | 2.353 | 10,000,000 | 9,988,250 | 11,750 | - | - | - | - | 9,988,250 |
| FUND 9900 | REPO INT | 525171 | BONY | 58 | DAIWA | 5/31/2019 | 6/3/2019 | 5/31/2019 | Purchased | 2.3 | 2.3 | 15,246,000 | 15,246,000 | - | - | - | - | - | 15,246,000 |
| FUND 9900 | REPO INT | 525171 | BONY | 58 | DAIWA | 5/31/2019 | 6/3/2019 | 6/3/2019 | Matured | 2.3 | 2.3 | 15,246,000 | 15,246,000 | - | - | 2,922 | - | - | 15,248,922 |
| FUND 9900 | COMM PAPER | 525179 | BONY | 58 | MERIL | 6/3/2019 | 6/18/2019 | 6/3/2019 | Purchased | 2.4 | 2.402 | 10,000,000 | 9,990,000 | 10,000 | - | - | - | - | 9,990,000 |
| FUND 9900 | REPO INT | 525184 | BONY | 58 | DAIWA | 6/3/2019 | 6/4/2019 | 6/3/2019 | Purchased | 2.3 | 2.3 | 12,445,000 | 12,445,000 | - | - | - | - | - | 12,445,000 |
| FUND 9900 | REPO INT | 525184 | BONY | 58 | DAIWA | 6/3/2019 | 6/4/2019 | 6/4/2019 | Matured | 2.3 | 2.3 | 12,445,000 | 12,445,000 | - | - | 795 | - | - | 12,445,795 |
| FUND 9900 | REPO INT | 525218 | BONY | 58 | DAIWA | 6/4/2019 | 6/5/2019 | 6/4/2019 | Purchased | 2.3 | 2.3 | 11,750,000 | 11,750,000 | - | - | - | - | - | 11,750,000 |
| FUND 9900 | REPO INT | 525218 | BONY | 58 | DAIWA | 6/4/2019 | 6/5/2019 | 6/5/2019 | Matured | 2.3 | 2.3 | 11,750,000 | 11,750,000 | - | - | 751 | - | - | 11,750,751 |
| FUND 9900 | REPO INT | 525232 | BONY | 58 | DAIWA | 6/5/2019 | 6/6/2019 | 6/5/2019 | Purchased | 2.3 | 2.3 | 22,524,000 | 22,524,000 | - | - | - | - | - | 22,524,000 |
| FUND 9900 | REPO INT | 525232 | BONY | 58 | DAIWA | 6/5/2019 | 6/6/2019 | 6/6/2019 | Matured | 2.3 | 2.3 | 22,524,000 | 22,524,000 | - | - | 1,439 | - | - | 22,525,439 |
| FUND 9900 | COMM PAPER | 525240 | BONY | 58 | MERIL | 6/6/2019 | 6/18/2019 | 6/6/2019 | Purchased | 2.39 | 2.392 | 15,000,000 | 14,988,050 | 11,950 | - | - | - | - | 14,988,050 |
| FUND 9900 | REPO INT | 525245 | BONY | 58 | DAIWA | 6/6/2019 | 6/7/2019 | 6/6/2019 | Purchased | 2.3 | 2.3 | 17,092,000 | 17,092,000 | - | - | - | - | - | 17,092,000 |
| FUND 9900 | REPO INT | 525245 | BONY | 58 | DAIWA | 6/6/2019 | 6/7/2019 | 6/7/2019 | Matured | 2.3 | 2.3 | 17,092,000 | 17,092,000 | - | - | 1,092 | - | - | 17,093,092 |
| FUND 9900 | REPO INT | 525256 | BONY | 58 | DAIWA | 6/7/2019 | 6/10/2019 | 6/7/2019 | Purchased | 2.3 | 2.3 | 18,174,000 | 18,174,000 | - | - | - | - | - | 18,174,000 |
| FUND 9900 | REPO INT | 525256 | BONY | 58 | DAIWA | 6/7/2019 | 6/10/2019 | 6/10/2019 | Matured | 2.3 | 2.3 | 18,174,000 | 18,174,000 | - | - | 3,483 | - | - | 18,177,483 |
| FUND 9900 | COMM PAPER | 525262 | BONY | 58 | MERIL | 6/10/2019 | 6/17/2019 | 6/10/2019 | Purchased | 2.39 | 2.391 | 12,000,000 | 11,994,423 | 5,577 | - | - | - | - | 11,994,423 |
| FUND 9900 | REPO INT | 525263 | BONY | 58 | DAIWA | 6/10/2019 | 6/11/2019 | 6/10/2019 | Purchased | 2.3 | 2.3 | 17,835,000 | 17,835,000 | - | - | - | - | - | 17,835,000 |
| FUND 9900 | REPO INT | 525263 | BONY | 58 | DAIWA | 6/10/2019 | 6/11/2019 | 6/11/2019 | Matured | 2.3 | 2.3 | 17,835,000 | 17,835,000 | - | - | 1,139 | - | - | 17,836,139 |
| FUND 9900 | REPO INT | 525290 | BONY | 58 | DAIWA | 6/11/2019 | 6/12/2019 | 6/11/2019 | Purchased | 2.3 | 2.3 | 14,761,000 | 14,761,000 | - | - | - | - | - | 14,761,000 |
| FUND 9900 | REPO INT | 525290 | BONY | 58 | DAIWA | 6/11/2019 | 6/12/2019 | 6/12/2019 | Matured | 2.3 | 2.3 | 14,761,000 | 14,761,000 | - | - | 943 | - | - | 14,761,943 |
| FUND 9900 | REPO INT | 525298 | BONY | 58 | DAIWA | 6/12/2019 | 6/13/2019 | 6/12/2019 | Purchased | 2.3 | 2.3 | 18,848,000 | 18,848,000 | - | - | - | - | - | 18,848,000 |
| FUND 9900 | REPO INT | 525298 | BONY | 58 | DAIWA | 6/12/2019 | 6/13/2019 | 6/13/2019 | Matured | 2.3 | 2.3 | 18,848,000 | 18,848,000 | - | - | 1,204 | - | - | 18,849,204 |
| FUND 9900 | COMM PAPER | 525317 | BONY | 58 | RBC | 6/13/2019 | 6/27/2019 | 6/13/2019 | Purchased | 2.363 | 2.365 | 15,000,000 | 14,986,219 | 13,781 | - | - | - | - | 14,986,219 |
| FUND 9900 | REPO INT | 525319 | BONY | 58 | DAIWA | 6/13/2019 | 6/14/2019 | 6/13/2019 | Purchased | 2.3 | 2.3 | 11,765,000 | 11,765,000 | - | - | - | - | - | 11,765,000 |
| FUND 9900 | REPO INT | 525319 | BONY | 58 | DAIWA | 6/13/2019 | 6/14/2019 | 6/14/2019 | Matured | 2.3 | 2.3 | 11,765,000 | 11,765,000 | - | - | 752 | - | - | 11,765,752 |
| FUND 9900 | REPO INT | 525340 | BONY | 58 | DAIWA | 6/14/2019 | 6/17/2019 | 6/14/2019 | Purchased | 2.3 | 2.3 | 21,701,000 | 21,701,000 | - | - | - | - | - | 21,701,000 |
| FUND 9900 | COMM PAPER | 525262 | BONY | 58 | MERIL | 6/10/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.39 | 2.391 | 12,000,000 | 11,994,423 | - | - | 5,577 | - | - | 12,000,000 |
| FUND 9900 | REPO INT | 525340 | BONY | 58 | DAIWA | 6/14/2019 | 6/17/2019 | 6/17/2019 | Matured | 2.3 | 2.3 | 21,701,000 | 21,701,000 | - | - | 4,159 | - | - | 21,705,159 |
| FUND 9900 | COMM PAPER | 525349 | BONY | 58 | MERIL | 6/17/2019 | 6/24/2019 | 6/17/2019 | Purchased | 2.37 | 2.371 | 25,000,000 | 24,988,479 | 11,521 | - | - | - | - | 24,988,479 |
| FUND 9900 | REPO INT | 525355 | BONY | 58 | DAIWA | 6/17/2019 | 6/18/2019 | 6/17/2019 | Purchased | 2.3 | 2.3 | 16,962,000 | 16,962,000 | - | - | - | - | - | 16,962,000 |
| FUND 9900 | COMM PAPER | 525119 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.39 | 2.393 | 50,000,000 | 49,930,292 | - | - | 69,708 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525120 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.39 | 2.393 | 50,000,000 | 49,930,292 | - | - | 69,708 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525121 | BONY | 58 | MERIL | 5/28/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.39 | 2.393 | 15,000,000 | 14,979,088 | - | - | 20,913 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 525154 | BONY | 58 | RBC | 5/30/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.33 | 2.333 | 25,000,000 | 24,969,257 | - | - | 30,743 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 525164 | BONY | 58 | MERIL | 5/31/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.35 | 2.353 | 10,000,000 | 9,988,250 | - | - | 11,750 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 525179 | BONY | 58 | MERIL | 6/3/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.4 | 2.402 | 10,000,000 | 9,990,000 | - | - | 10,000 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 525240 | BONY | 58 | MERIL | 6/6/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.39 | 2.392 | 15,000,000 | 14,988,050 | - | - | 11,950 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 525355 | BONY | 58 | DAIWA | 6/17/2019 | 6/18/2019 | 6/18/2019 | Matured | 2.3 | 2.3 | 16,962,000 | 16,962,000 | - | - | 1,084 | - | - | 16,963,084 |
| FUND 9900 | T-BILL | 525379 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 1.99 | 1.991 | 50,000,000 | 49,980,653 | 19,347 | - | - | - | - | 49,980,653 |
| FUND 9900 | T-BILL | 525380 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 1.99 | 1.991 | 50,000,000 | 49,980,653 | 19,347 | - | - | - | - | 49,980,653 |
| FUND 9900 | T-BILL | 525381 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 1.99 | 1.991 | 50,000,000 | 49,980,653 | 19,347 | - | - | - | - | 49,980,653 |
| FUND 9900 | T-BILL | 525382 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/18/2019 | Purchased | 1.99 | 1.991 | 25,000,000 | 24,990,326 | 9,674 | - | - | - | - | 24,990,326 |
| FUND 9900 | REPO INT | 525385 | BONY | 58 | DAIWA | 6/18/2019 | 6/19/2019 | 6/18/2019 | Purchased | 2.3 | 2.3 | 27,107,000 | 27,107,000 | - | - | - | - | - | 27,107,000 |
| FUND 9900 | REPO INT | 525385 | BONY | 58 | DAIWA | 6/18/2019 | 6/19/2019 | 6/19/2019 | Matured | 2.3 | 2.3 | 27,107,000 | 27,107,000 | - | - | 1,732 | - | - | 27,108,732 |
| FUND 9900 | REPO INT | 525397 | BONY | 58 | DAIWA | 6/19/2019 | 6/20/2019 | 6/19/2019 | Purchased | 2.3 | 2.3 | 26,681,000 | 26,681,000 | - | - | - | - | - | 26,681,000 |
| FUND 9900 | REPO INT | 525397 | BONY | 58 | DAIWA | 6/19/2019 | 6/20/2019 | 6/20/2019 | Matured | 2.3 | 2.3 | 26,681,000 | 26,681,000 | - | - | 1,705 | - | - | 26,682,705 |
| FUND 9900 | COMM PAPER | 525406 | BONY | 58 | RBC | 6/20/2019 | 6/24/2019 | 6/20/2019 | Purchased | 2.402 | 2.403 | 30,000,000 | 29,991,992 | 8,008 | - | - | - | - | 29,991,992 |
| FUND 9900 | REPO INT | 525407 | BONY | 58 | DAIWA | 6/20/2019 | 6/21/2019 | 6/20/2019 | Purchased | 2.3 | 2.3 | 18,401,000 | 18,401,000 | - | - | - | - | - | 18,401,000 |
| FUND 9900 | REPO INT | 525407 | BONY | 58 | DAIWA | 6/20/2019 | 6/21/2019 | 6/21/2019 | Matured | 2.3 | 2.3 | 18,401,000 | 18,401,000 | - | - | 1,176 | - | - | 18,402,176 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 525415 | BONY | 58 | DAIWA | 6/21/2019 | 6/24/2019 | 6/21/2019 | Purchased | 2.3 | 2.3 | 24,316,000 | 24,316,000 | - | - | - | - | - | 24,316,000 |
| FUND 9900 | COMM PAPER | 525349 | BONY | 58 | MERIL | 6/17/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.37 | 2.371 | 25,000,000 | 24,988,479 | - | - | 11,521 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 525406 | BONY | 58 | RBC | 6/20/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.402 | 2.403 | 30,000,000 | 29,991,992 | - | - | 8,008 | - | - | 30,000,000 |
| FUND 9900 | REPO INT | 525415 | BONY | 58 | DAIWA | 6/21/2019 | 6/24/2019 | 6/24/2019 | Matured | 2.3 | 2.3 | 24,316,000 | 24,316,000 | - | - | 4,661 | - | - | 24,320,661 |
| FUND 9900 | COMM PAPER | 525424 | BONY | 58 | MERIL | 6/24/2019 | 7/8/2019 | 6/24/2019 | Purchased | 2.33 | 2.332 | 50,000,000 | 49,954,694 | 45,306 | - | - | - | - | 49,954,694 |
| FUND 9900 | REPO INT | 525427 | BONY | 58 | DAIWA | 6/24/2019 | 6/25/2019 | 6/24/2019 | Purchased | 2.3 | 2.3 | 35,178,000 | 35,178,000 | - | - | - | - | - | 35,178,000 |
| FUND 9900 | T-BILL | 525379 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 1.99 | 1.991 | 50,000,000 | 49,980,653 | - | - | 19,347 | - | - | 50,000,000 |
| FUND 9900 | T-BILL | 525380 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 1.99 | 1.991 | 50,000,000 | 49,980,653 | - | - | 19,347 | - | - | 50,000,000 |
| FUND 9900 | T-BILL | 525381 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 1.99 | 1.991 | 50,000,000 | 49,980,653 | - | - | 19,347 | - | - | 50,000,000 |
| FUND 9900 | T-BILL | 525382 | BONY | 58 | RBC | 6/18/2019 | 6/25/2019 | 6/25/2019 | Matured | 1.99 | 1.991 | 25,000,000 | 24,990,326 | - | - | 9,674 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 525427 | BONY | 58 | DAIWA | 6/24/2019 | 6/25/2019 | 6/25/2019 | Matured | 2.3 | 2.3 | 35,178,000 | 35,178,000 | - | - | 2,247 | - | - | 35,180,247 |
| FUND 9900 | REPO INT | 525442 | BONY | 58 | DAIWA | 6/25/2019 | 6/26/2019 | 6/25/2019 | Purchased | 2.3 | 2.3 | 33,770,000 | 33,770,000 | - | - | - | - | - | 33,770,000 |
| FUND 9900 | COMM PAPER | 525449 | BONY | 58 | RBC | 6/25/2019 | 7/3/2019 | 6/25/2019 | Purchased | 2.34 | 2.341 | 50,000,000 | 49,974,000 | 26,000 | - | - | - | - | 49,974,000 |
| FUND 9900 | REPO INT | 525442 | BONY | 58 | DAIWA | 6/25/2019 | 6/26/2019 | 6/26/2019 | Matured | 2.3 | 2.3 | 33,770,000 | 33,770,000 | - | - | 2,158 | - | - | 33,772,158 |
| FUND 9900 | REPO INT | 525457 | BONY | 58 | DAIWA | 6/26/2019 | 6/27/2019 | 6/26/2019 | Purchased | 2.3 | 2.3 | 41,495,000 | 41,495,000 | - | - | - | - | - | 41,495,000 |
| FUND 9900 | COMM PAPER | 525317 | BONY | 58 | RBC | 6/13/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.363 | 2.365 | 15,000,000 | 14,986,219 | - | - | 13,781 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 525457 | BONY | 58 | DAIWA | 6/26/2019 | 6/27/2019 | 6/27/2019 | Matured | 2.3 | 2.3 | 41,495,000 | 41,495,000 | - | - | 2,651 | - | - | 41,497,651 |
| FUND 9900 | COMM PAPER | 525467 | BONY | 58 | MERIL | 6/27/2019 | 7/24/2019 | 6/27/2019 | Purchased | 2.4 | 2.404 | 30,187,000 | 30,132,663 | 54,337 | - | - | - | - | 30,132,663 |
| FUND 9900 | REPO INT | 525468 | BONY | 58 | DAIWA | 6/27/2019 | 6/28/2019 | 6/27/2019 | Purchased | 2.3 | 2.3 | 29,562,000 | 29,562,000 | - | - | - | - | - | 29,562,000 |
| FUND 9900 | REPO INT | 525468 | BONY | 58 | DAIWA | 6/27/2019 | 6/28/2019 | 6/28/2019 | Matured | 2.3 | 2.3 | 29,562,000 | 29,562,000 | - | - | 1,889 | - | - | 29,563,889 |
| FUND 9900 | REPO INT | 525482 | BONY | 58 | DAIWA | 6/28/2019 | 7/1/2019 | 6/28/2019 | Purchased | 2.3 | 2.3 | 37,451,000 | 37,451,000 | - | - | - | - | - | 37,451,000 |
| FUND 9900 | REPO INT | 525482 | BONY | 58 | DAIWA | 6/28/2019 | 7/1/2019 | 7/1/2019 | Matured | 2.3 | 2.3 | 37,451,000 | 37,451,000 | - | - | 7,178 | - | - | 37,458,178 |
| FUND 9900 | COMM PAPER | 525488 | BONY | 58 | MERIL | 7/1/2019 | 7/8/2019 | 7/1/2019 | Purchased | 2.39 | 2.391 | 25,000,000 | 24,988,382 | 11,618 | - | - | - | - | 24,988,382 |
| FUND 9900 | REPO INT | 525495 | BONY | 58 | DAIWA | 7/1/2019 | 7/2/2019 | 7/1/2019 | Purchased | 2.3 | 2.3 | 16,926,000 | 16,926,000 | - | - | - | - | - | 16,926,000 |
| FUND 9900 | REPO INT | 525495 | BONY | 58 | DAIWA | 7/1/2019 | 7/2/2019 | 7/2/2019 | Matured | 2.3 | 2.3 | 16,926,000 | 16,926,000 | - | - | 1,081 | - | - | 16,927,081 |
| FUND 9900 | REPO INT | 525512 | BONY | 58 | DAIWA | 7/2/2019 | 7/3/2019 | 7/2/2019 | Purchased | 2.3 | 2.3 | 16,776,000 | 16,776,000 | - | - | - | - | - | 16,776,000 |
| FUND 9900 | COMM PAPER | 525449 | BONY | 58 | RBC | 6/25/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.34 | 2.341 | 50,000,000 | 49,974,000 | - | - | 26,000 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 525512 | BONY | 58 | DAIWA | 7/2/2019 | 7/3/2019 | 7/3/2019 | Matured | 2.3 | 2.3 | 16,776,000 | 16,776,000 | - | - | 1,072 | - | - | 16,777,072 |
| FUND 9900 | COMM PAPER | 525522 | BONY | 58 | MERIL | 7/3/2019 | 7/17/2019 | 7/3/2019 | Purchased | 2.4 | 2.402 | 50,000,000 | 49,953,333 | 46,667 | - | - | - | - | 49,953,333 |
| FUND 9900 | REPO INT | 525523 | BONY | 58 | DAIWA | 7/3/2019 | 7/5/2019 | 7/3/2019 | Purchased | 2.4 | 2.4 | 20,685,000 | 20,685,000 | - | - | - | - | - | 20,685,000 |
| FUND 9900 | REPO INT | 525523 | BONY | 58 | DAIWA | 7/3/2019 | 7/5/2019 | 7/5/2019 | Matured | 2.4 | 2.4 | 20,685,000 | 20,685,000 | - | - | 2,758 | - | - | 20,687,758 |
| FUND 9900 | COMM PAPER | 525530 | BONY | 58 | MERIL | 7/5/2019 | 7/12/2019 | 7/5/2019 | Purchased | 2.355 | 2.356 | 15,000,000 | 14,993,131 | 6,869 | - | - | - | - | 14,993,131 |
| FUND 9900 | REPO INT | 525532 | BONY | 58 | DAIWA | 7/5/2019 | 7/8/2019 | 7/5/2019 | Purchased | 2.4 | 2.4 | 9,261,000 | 9,261,000 | - | - | - | - | - | 9,261,000 |
| FUND 9900 | COMM PAPER | 525424 | BONY | 58 | MERIL | 6/24/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.33 | 2.332 | 50,000,000 | 49,954,694 | - | - | 45,306 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525488 | BONY | 58 | MERIL | 7/1/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.39 | 2.391 | 25,000,000 | 24,988,382 | - | - | 11,618 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 525532 | BONY | 58 | DAIWA | 7/5/2019 | 7/8/2019 | 7/8/2019 | Matured | 2.4 | 2.4 | 9,261,000 | 9,261,000 | - | - | 1,852 | - | - | 9,262,852 |
| FUND 9900 | COMM PAPER | 525545 | BONY | 58 | MERIL | 7/8/2019 | 7/22/2019 | 7/8/2019 | Purchased | 2.41 | 2.412 | 50,000,000 | 49,953,139 | 46,861 | - | - | - | - | 49,953,139 |
| FUND 9900 | COMM PAPER | 525546 | BONY | 58 | MERIL | 7/8/2019 | 7/22/2019 | 7/8/2019 | Purchased | 2.41 | 2.412 | 25,000,000 | 24,976,569 | 23,431 | - | - | - | - | 24,976,569 |
| FUND 9900 | REPO INT | 525550 | BONY | 58 | DAIWA | 7/8/2019 | 7/9/2019 | 7/8/2019 | Purchased | 2.35 | 2.35 | 16,563,000 | 16,563,000 | - | - | - | - | - | 16,563,000 |
| FUND 9900 | REPO INT | 525550 | BONY | 58 | DAIWA | 7/8/2019 | 7/9/2019 | 7/9/2019 | Matured | 2.35 | 2.35 | 16,563,000 | 16,563,000 | - | - | 1,081 | - | - | 16,564,081 |
| FUND 9900 | REPO INT | 525573 | BONY | 58 | DAIWA | 7/9/2019 | 7/10/2019 | 7/9/2019 | Purchased | 2.35 | 2.35 | 20,582,000 | 20,582,000 | - | - | - | - | - | 20,582,000 |
| FUND 9900 | REPO INT | 525573 | BONY | 58 | DAIWA | 7/9/2019 | 7/10/2019 | 7/10/2019 | Matured | 2.35 | 2.35 | 20,582,000 | 20,582,000 | - | - | 1,344 | - | - | 20,583,344 |
| FUND 9900 | COMM PAPER | 525583 | BONY | 58 | CANT | 7/10/2019 | 7/24/2019 | 7/10/2019 | Purchased | 2.33 | 2.332 | 15,000,000 | 14,986,408 | 13,592 | - | - | - | - | 14,986,408 |
| FUND 9900 | REPO INT | 525584 | BONY | 58 | DAIWA | 7/10/2019 | 7/11/2019 | 7/10/2019 | Purchased | 2.35 | 2.35 | 18,092,000 | 18,092,000 | - | - | - | - | - | 18,092,000 |
| FUND 9900 | REPO INT | 525584 | BONY | 58 | DAIWA | 7/10/2019 | 7/11/2019 | 7/11/2019 | Matured | 2.35 | 2.35 | 18,092,000 | 18,092,000 | - | - | 1,181 | - | - | 18,093,181 |
| FUND 9900 | REPO INT | 525608 | BONY | 58 | DAIWA | 7/11/2019 | 7/12/2019 | 7/11/2019 | Purchased | 2.3 | 2.3 | 19,538,000 | 19,538,000 | - | - | - | - | - | 19,538,000 |
| FUND 9900 | COMM PAPER | 525530 | BONY | 58 | MERIL | 7/5/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.355 | 2.356 | 15,000,000 | 14,993,131 | - | - | 6,869 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 525608 | BONY | 58 | DAIWA | 7/11/2019 | 7/12/2019 | 7/12/2019 | Matured | 2.3 | 2.3 | 19,538,000 | 19,538,000 | - | - | 1,248 | - | - | 19,539,248 |
| FUND 9900 | COMM PAPER | 525625 | BONY | 58 | MERIL | 7/12/2019 | 7/22/2019 | 7/12/2019 | Purchased | 2.32 | 2.321 | 25,000,000 | 24,983,889 | 16,111 | - | - | - | - | 24,983,889 |
| FUND 9900 | REPO INT | 525627 | BONY | 58 | DAIWA | 7/12/2019 | 7/15/2019 | 7/12/2019 | Purchased | 2.3 | 2.3 | 16,042,000 | 16,042,000 | - | - | - | - | - | 16,042,000 |
| FUND 9900 | REPO INT | 525627 | BONY | 58 | DAIWA | 7/12/2019 | 7/15/2019 | 7/15/2019 | Matured | 2.3 | 2.3 | 16,042,000 | 16,042,000 | - | - | 3,075 | - | - | 16,045,075 |
| FUND 9900 | REPO INT | 525629 | BONY | 58 | DAIWA | 7/15/2019 | 7/16/2019 | 7/15/2019 | Purchased | 2.35 | 2.35 | 15,525,000 | 15,525,000 | - | - | - | - | - | 15,525,000 |
| FUND 9900 | COMM PAPER | 525635 | BONY | 58 | MERIL | 7/15/2019 | 7/19/2019 | 7/15/2019 | Purchased | 2.35 | 2.351 | 10,000,000 | 9,997,389 | 2,611 | - | - | - | - | 9,997,389 |
| FUND 9900 | REPO INT | 525629 | BONY | 58 | DAIWA | 7/15/2019 | 7/16/2019 | 7/16/2019 | Matured | 2.35 | 2.35 | 15,525,000 | 15,525,000 | - | - | 1,013 | - | - | 15,526,013 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 525655 | BONY | 58 | DAIWA | 7/16/2019 | 7/17/2019 | 7/16/2019 | Purchased | 2.35 | 2.35 | 16,184,000 | 16,184,000 | - | - | - | - | - | 16,184,000 |
| FUND 9900 | COMM PAPER | 525522 | BONY | 58 | MERIL | 7/3/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.4 | 2.402 | 50,000,000 | 49,953,333 | - | - | 46,667 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 525655 | BONY | 58 | DAIWA | 7/16/2019 | 7/17/2019 | 7/17/2019 | Matured | 2.35 | 2.35 | 16,184,000 | 16,184,000 | - | - | 1,056 | - | - | 16,185,056 |
| FUND 9900 | COMM PAPER | 525667 | BONY | 58 | MERIL | 7/17/2019 | 7/24/2019 | 7/17/2019 | Purchased | 2.33 | 2.331 | 50,000,000 | 49,977,347 | 22,653 | - | - | - | - | 49,977,347 |
| FUND 9900 | COMM PAPER | 525668 | BONY | 58 | MERIL | 7/17/2019 | 7/24/2019 | 7/17/2019 | Purchased | 2.33 | 2.331 | 15,000,000 | 14,993,204 | 6,796 | - | - | - | - | 14,993,204 |
| FUND 9900 | REPO INT | 525670 | BONY | 58 | DAIWA | 7/17/2019 | 7/18/2019 | 7/17/2019 | Purchased | 2.35 | 2.35 | 12,120,000 | 12,120,000 | - | - | - | - | - | 12,120,000 |
| FUND 9900 | REPO INT | 525670 | BONY | 58 | DAIWA | 7/17/2019 | 7/18/2019 | 7/18/2019 | Matured | 2.35 | 2.35 | 12,120,000 | 12,120,000 | - | - | 791 | - | - | 12,120,791 |
| FUND 9900 | REPO INT | 525689 | BONY | 58 | DAIWA | 7/18/2019 | 7/19/2019 | 7/18/2019 | Purchased | 2.35 | 2.35 | 25,508,000 | 25,508,000 | - | - | - | - | - | 25,508,000 |
| FUND 9900 | COMM PAPER | 525635 | BONY | 58 | MERIL | 7/15/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.351 | 10,000,000 | 9,997,389 | - | - | 2,611 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 525689 | BONY | 58 | DAIWA | 7/18/2019 | 7/19/2019 | 7/19/2019 | Matured | 2.35 | 2.35 | 25,508,000 | 25,508,000 | - | - | 1,665 | - | - | 25,509,665 |
| FUND 9900 | COMM PAPER | 525699 | BONY | 58 | MERIL | 7/19/2019 | 7/24/2019 | 7/19/2019 | Purchased | 2.35 | 2.351 | 25,000,000 | 24,991,840 | 8,160 | - | - | - | - | 24,991,840 |
| FUND 9900 | REPO INT | 525702 | BONY | 58 | DAIWA | 7/19/2019 | 7/22/2019 | 7/19/2019 | Purchased | 2.35 | 2.35 | 14,156,000 | 14,156,000 | - | - | - | - | - | 14,156,000 |
| FUND 9900 | COMM PAPER | 525545 | BONY | 58 | MERIL | 7/8/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.41 | 2.412 | 50,000,000 | 49,953,139 | - | - | 46,861 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525546 | BONY | 58 | MERIL | 7/8/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.41 | 2.412 | 25,000,000 | 24,976,569 | - | - | 23,431 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 525625 | BONY | 58 | MERIL | 7/12/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.32 | 2.321 | 25,000,000 | 24,983,889 | - | - | 16,111 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 525702 | BONY | 58 | DAIWA | 7/19/2019 | 7/22/2019 | 7/22/2019 | Matured | 2.35 | 2.35 | 14,156,000 | 14,156,000 | - | - | 2,772 | - | - | 14,158,772 |
| FUND 9900 | COMM PAPER | 525710 | BONY | 58 | MERIL | 7/22/2019 | 7/24/2019 | 7/22/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,993,361 | 6,639 | - | - | - | - | 49,993,361 |
| FUND 9900 | COMM PAPER | 525711 | BONY | 58 | MERIL | 7/22/2019 | 7/24/2019 | 7/22/2019 | Purchased | 2.39 | 2.39 | 50,000,000 | 49,993,361 | 6,639 | - | - | - | - | 49,993,361 |
| FUND 9900 | REPO INT | 525714 | BONY | 58 | DAIWA | 7/22/2019 | 7/23/2019 | 7/22/2019 | Purchased | 2.35 | 2.35 | 19,336,000 | 19,336,000 | - | - | - | - | - | 19,336,000 |
| FUND 9900 | REPO INT | 525714 | BONY | 58 | DAIWA | 7/22/2019 | 7/23/2019 | 7/23/2019 | Matured | 2.35 | 2.35 | 19,336,000 | 19,336,000 | - | - | 1,262 | - | - | 19,337,262 |
| FUND 9900 | REPO INT | 525729 | BONY | 58 | DAIWA | 7/23/2019 | 7/24/2019 | 7/23/2019 | Purchased | 2.35 | 2.35 | 36,395,000 | 36,395,000 | - | - | - | - | - | 36,395,000 |
| FUND 9900 | COMM PAPER | 525467 | BONY | 58 | MERIL | 6/27/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.4 | 2.404 | 30,187,000 | 30,132,663 | - | - | 54,337 | - | - | 30,187,000 |
| FUND 9900 | COMM PAPER | 525583 | BONY | 58 | CANT | 7/10/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.33 | 2.332 | 15,000,000 | 14,986,408 | - | - | 13,592 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 525667 | BONY | 58 | MERIL | 7/17/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.33 | 2.331 | 50,000,000 | 49,977,347 | - | - | 22,653 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525668 | BONY | 58 | MERIL | 7/17/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.33 | 2.331 | 15,000,000 | 14,993,204 | - | - | 6,796 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 525699 | BONY | 58 | MERIL | 7/19/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.35 | 2.351 | 25,000,000 | 24,991,840 | - | - | 8,160 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 525710 | BONY | 58 | MERIL | 7/22/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,993,361 | - | - | 6,639 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525711 | BONY | 58 | MERIL | 7/22/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.39 | 2.39 | 50,000,000 | 49,993,361 | - | - | 6,639 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 525729 | BONY | 58 | DAIWA | 7/23/2019 | 7/24/2019 | 7/24/2019 | Matured | 2.35 | 2.35 | 36,395,000 | 36,395,000 | - | - | 2,376 | - | - | 36,397,376 |
| FUND 9900 | COMM PAPER | 525742 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 7/24/2019 | Purchased | 2.25 | 2.254 | 50,000,000 | 49,915,625 | 84,375 | - | - | - | - | 49,915,625 |
| FUND 9900 | COMM PAPER | 525743 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 7/24/2019 | Purchased | 2.25 | 2.254 | 50,000,000 | 49,915,625 | 84,375 | - | - | - | - | 49,915,625 |
| FUND 9900 | COMM PAPER | 525744 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 7/24/2019 | Purchased | 2.25 | 2.254 | 50,000,000 | 49,915,625 | 84,375 | - | - | - | - | 49,915,625 |
| FUND 9900 | REPO INT | 525748 | BONY | 58 | DAIWA | 7/24/2019 | 7/25/2019 | 7/24/2019 | Purchased | 2.3 | 2.3 | 19,837,000 | 19,837,000 | - | - | - | - | - | 19,837,000 |
| FUND 9900 | REPO INT | 525748 | BONY | 58 | DAIWA | 7/24/2019 | 7/25/2019 | 7/25/2019 | Matured | 2.3 | 2.3 | 19,837,000 | 19,837,000 | - | - | 1,267 | - | - | 19,838,267 |
| FUND 9900 | COMM PAPER | 525764 | BONY | 58 | MERIL | 7/25/2019 | 8/20/2019 | 7/25/2019 | Purchased | 2.2 | 2.204 | 12,000,000 | 11,980,933 | 19,067 | - | - | - | - | 11,980,933 |
| FUND 9900 | REPO INT | 525767 | BONY | 58 | DAIWA | 7/25/2019 | 7/26/2019 | 7/25/2019 | Purchased | 2.35 | 2.35 | 14,482,000 | 14,482,000 | - | - | - | - | - | 14,482,000 |
| FUND 9900 | REPO INT | 525767 | BONY | 58 | DAIWA | 7/25/2019 | 7/26/2019 | 7/26/2019 | Matured | 2.35 | 2.35 | 14,482,000 | 14,482,000 | - | - | 945 | - | - | 14,482,945 |
| FUND 9900 | REPO INT | 525777 | BONY | 58 | DAIWA | 7/26/2019 | 7/29/2019 | 7/26/2019 | Purchased | 2.35 | 2.35 | 11,507,000 | 11,507,000 | - | - | - | - | - | 11,507,000 |
| FUND 9900 | REPO INT | 525777 | BONY | 58 | DAIWA | 7/26/2019 | 7/29/2019 | 7/29/2019 | Matured | 2.35 | 2.35 | 11,507,000 | 11,507,000 | - | - | 2,253 | - | - | 11,509,253 |
| FUND 9900 | REPO INT | 525790 | BONY | 58 | DAIWA | 7/29/2019 | 7/30/2019 | 7/29/2019 | Purchased | 2.35 | 2.35 | 12,991,000 | 12,991,000 | - | - | - | - | - | 12,991,000 |
| FUND 9900 | REPO INT | 525790 | BONY | 58 | DAIWA | 7/29/2019 | 7/30/2019 | 7/30/2019 | Matured | 2.35 | 2.35 | 12,991,000 | 12,991,000 | - | - | 848 | - | - | 12,991,848 |
| FUND 9900 | REPO INT | 525799 | BONY | 58 | DAIWA | 7/30/2019 | 7/31/2019 | 7/30/2019 | Purchased | 2.35 | 2.35 | 10,064,000 | 10,064,000 | - | - | - | - | - | 10,064,000 |
| FUND 9900 | REPO INT | 525799 | BONY | 58 | DAIWA | 7/30/2019 | 7/31/2019 | 7/31/2019 | Matured | 2.35 | 2.35 | 10,064,000 | 10,064,000 | - | - | 657 | - | - | 10,064,657 |
| FUND 9900 | REPO INT | 525810 | BONY | 58 | DAIWA | 7/31/2019 | 8/1/2019 | 7/31/2019 | Purchased | 2.35 | 2.35 | 20,472,000 | 20,472,000 | - | - | - | - | - | 20,472,000 |
| FUND 9900 | REPO INT | 525810 | BONY | 58 | DAIWA | 7/31/2019 | 8/1/2019 | 8/1/2019 | Matured | 2.35 | 2.35 | 20,472,000 | 20,472,000 | - | - | 1,336 | - | - | 20,473,336 |
| FUND 9900 | REPO INT | 525825 | BONY | 58 | DAIWA | 8/1/2019 | 8/2/2019 | 8/1/2019 | Purchased | 2.15 | 2.15 | 30,555,000 | 30,555,000 | - | - | - | - | - | 30,555,000 |
| FUND 9900 | REPO INT | 525825 | BONY | 58 | DAIWA | 8/1/2019 | 8/2/2019 | 8/2/2019 | Matured | 2.15 | 2.15 | 30,555,000 | 30,555,000 | - | - | 1,825 | - | - | 30,556,825 |
| FUND 9900 | COMM PAPER | 525831 | BONY | 58 | MERIL | 8/2/2019 | 8/20/2019 | 8/2/2019 | Purchased | 2.18 | 2.182 | 25,000,000 | 24,972,750 | 27,250 | - | - | - | - | 24,972,750 |
| FUND 9900 | REPO INT | 525834 | BONY | 58 | DAIWA | 8/2/2019 | 8/5/2019 | 8/2/2019 | Purchased | 2.15 | 2.15 | 14,040,000 | 14,040,000 | - | - | - | - | - | 14,040,000 |
| FUND 9900 | REPO INT | 525834 | BONY | 58 | DAIWA | 8/2/2019 | 8/5/2019 | 8/5/2019 | Matured | 2.15 | 2.15 | 14,040,000 | 14,040,000 | - | - | 2,516 | - | - | 14,042,516 |
| FUND 9900 | REPO INT | 525845 | BONY | 58 | DAIWA | 8/5/2019 | 8/6/2019 | 8/5/2019 | Purchased | 2.05 | 2.05 | 23,237,000 | 23,237,000 | - | - | - | - | - | 23,237,000 |
| FUND 9900 | REPO INT | 525845 | BONY | 58 | DAIWA | 8/5/2019 | 8/6/2019 | 8/6/2019 | Matured | 2.05 | 2.05 | 23,237,000 | 23,237,000 | - | - | 1,323 | - | - | 23,238,323 |
| FUND 9900 | COMM PAPER | 525874 | BONY | 58 | MERIL | 8/6/2019 | 8/20/2019 | 8/6/2019 | Purchased | 2.16 | 2.162 | 20,000,000 | 19,983,200 | 16,800 | - | - | - | - | 19,983,200 |
| FUND 9900 | REPO INT | 525875 | BONY | 58 | DAIWA | 8/6/2019 | 8/7/2019 | 8/6/2019 | Purchased | 2.05 | 2.05 | 11,876,000 | 11,876,000 | - | - | - | - | - | 11,876,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|-----------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 525875 | BONY | 58 | DAIWA | 8/6/2019 | 8/7/2019 | 8/7/2019 | Matured | 2.05 | 2.05 | 11,876,000 | 11,876,000 | - | - | 676 | - | - | 11,876,676 |
| FUND 9900 | COMM PAPER | 525883 | BONY | 58 | MERIL | 8/7/2019 | 8/20/2019 | 8/7/2019 | Purchased | 2.14 | 2.142 | 15,000,000 | 14,988,408 | 11,592 | - | - | - | - | 14,988,408 |
| FUND 9900 | REPO INT | 525887 | BONY | 58 | DAIWA | 8/7/2019 | 8/8/2019 | 8/7/2019 | Purchased | 2 | 2 | 12,014,000 | 12,014,000 | - | - | - | - | - | 12,014,000 |
| FUND 9900 | REPO INT | 525887 | BONY | 58 | DAIWA | 8/7/2019 | 8/8/2019 | 8/8/2019 | Matured | 2 | 2 | 12,014,000 | 12,014,000 | - | - | 667 | - | - | 12,014,667 |
| FUND 9900 | REPO INT | 525905 | BONY | 58 | DAIWA | 8/8/2019 | 8/9/2019 | 8/8/2019 | Purchased | 2.05 | 2.05 | 20,998,000 | 20,998,000 | - | - | - | - | - | 20,998,000 |
| FUND 9900 | REPO INT | 525905 | BONY | 58 | DAIWA | 8/8/2019 | 8/9/2019 | 8/9/2019 | Matured | 2.05 | 2.05 | 20,998,000 | 20,998,000 | - | - | 1,196 | - | - | 20,999,196 |
| FUND 9900 | COMM PAPER | 525926 | BONY | 58 | MERIL | 8/9/2019 | 8/16/2019 | 8/9/2019 | Purchased | 2.1 | 2.101 | 15,000,000 | 14,993,875 | 6,125 | - | - | - | - | 14,993,875 |
| FUND 9900 | REPO INT | 525932 | BONY | 58 | DAIWA | 8/9/2019 | 8/12/2019 | 8/9/2019 | Purchased | 2.05 | 2.05 | 18,060,000 | 18,060,000 | - | - | - | - | - | 18,060,000 |
| FUND 9900 | REPO INT | 525932 | BONY | 58 | DAIWA | 8/9/2019 | 8/12/2019 | 8/12/2019 | Matured | 2.05 | 2.05 | 18,060,000 | 18,060,000 | - | - | 3,085 | - | - | 18,063,085 |
| FUND 9900 | REPO INT | 525942 | BONY | 58 | DAIWA | 8/12/2019 | 8/13/2019 | 8/12/2019 | Purchased | 2.05 | 2.05 | 11,574,000 | 11,574,000 | - | - | - | - | - | 11,574,000 |
| FUND 9900 | REPO INT | 525942 | BONY | 58 | DAIWA | 8/12/2019 | 8/13/2019 | 8/13/2019 | Matured | 2.05 | 2.05 | 11,574,000 | 11,574,000 | - | - | 659 | - | - | 11,574,659 |
| FUND 9900 | REPO INT | 525962 | BONY | 58 | DAIWA | 8/13/2019 | 8/14/2019 | 8/13/2019 | Purchased | 2 | 2 | 18,266,000 | 18,266,000 | - | - | - | - | - | 18,266,000 |
| FUND 9900 | REPO INT | 525962 | BONY | 58 | DAIWA | 8/13/2019 | 8/14/2019 | 8/14/2019 | Matured | 2 | 2 | 18,266,000 | 18,266,000 | - | - | 1,015 | - | - | 18,267,015 |
| FUND 9900 | COMM PAPER | 525984 | BONY | 58 | CANT | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.09 | 2.09 | 15,000,000 | 14,999,129 | 871 | - | - | - | - | 14,999,129 |
| FUND 9900 | REPO INT | 525985 | BONY | 58 | DAIWA | 8/14/2019 | 8/15/2019 | 8/14/2019 | Purchased | 2.05 | 2.05 | 11,047,000 | 11,047,000 | - | - | - | - | - | 11,047,000 |
| FUND 9900 | COMM PAPER | 525984 | BONY | 58 | CANT | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.09 | 2.09 | 15,000,000 | 14,999,129 | - | - | 871 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 525985 | BONY | 58 | DAIWA | 8/14/2019 | 8/15/2019 | 8/15/2019 | Matured | 2.05 | 2.05 | 11,047,000 | 11,047,000 | - | - | 629 | - | - | 11,047,629 |
| FUND 9900 | REPO INT | 526006 | BONY | 58 | DAIWA | 8/15/2019 | 8/16/2019 | 8/15/2019 | Purchased | 2.05 | 2.05 | 33,138,000 | 33,138,000 | - | - | - | - | - | 33,138,000 |
| FUND 9900 | COMM PAPER | 525926 | BONY | 58 | MERIL | 8/9/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.1 | 2.101 | 15,000,000 | 14,993,875 | - | - | 6,125 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 526006 | BONY | 58 | DAIWA | 8/15/2019 | 8/16/2019 | 8/16/2019 | Matured | 2.05 | 2.05 | 33,138,000 | 33,138,000 | - | - | 1,887 | - | - | 33,139,887 |
| FUND 9900 | COMM PAPER | 526014 | BONY | 58 | MERIL | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.09 | 2.09 | 45,000,000 | 44,992,163 | 7,838 | - | - | - | - | 44,992,163 |
| FUND 9900 | REPO INT | 526017 | BONY | 58 | DAIWA | 8/16/2019 | 8/19/2019 | 8/16/2019 | Purchased | 2.05 | 2.05 | 12,676,000 | 12,676,000 | - | - | - | - | - | 12,676,000 |
| FUND 9900 | COMM PAPER | 526014 | BONY | 58 | MERIL | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.09 | 2.09 | 45,000,000 | 44,992,163 | - | - | 7,838 | - | - | 45,000,000 |
| FUND 9900 | REPO INT | 526017 | BONY | 58 | DAIWA | 8/16/2019 | 8/19/2019 | 8/19/2019 | Matured | 2.05 | 2.05 | 12,676,000 | 12,676,000 | - | - | 2,165 | - | - | 12,678,165 |
| FUND 9900 | COMM PAPER | 526027 | BONY | 58 | MERIL | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.09 | 2.09 | 50,000,000 | 49,997,097 | 2,903 | - | - | - | - | 49,997,097 |
| FUND 9900 | REPO INT | 526032 | BONY | 58 | DAIWA | 8/19/2019 | 8/20/2019 | 8/19/2019 | Purchased | 2.05 | 2.05 | 15,389,000 | 15,389,000 | - | - | - | - | - | 15,389,000 |
| FUND 9900 | COMM PAPER | 525742 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.25 | 2.254 | 50,000,000 | 49,915,625 | - | - | 84,375 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525743 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.25 | 2.254 | 50,000,000 | 49,915,625 | - | - | 84,375 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525744 | BONY | 58 | CANT | 7/24/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.25 | 2.254 | 50,000,000 | 49,915,625 | - | - | 84,375 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 525764 | BONY | 58 | MERIL | 7/25/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.2 | 2.204 | 12,000,000 | 11,980,933 | - | - | 19,067 | - | - | 12,000,000 |
| FUND 9900 | COMM PAPER | 525831 | BONY | 58 | MERIL | 8/2/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.18 | 2.182 | 25,000,000 | 24,972,750 | - | - | 27,250 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 525874 | BONY | 58 | MERIL | 8/6/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.16 | 2.162 | 20,000,000 | 19,983,200 | - | - | 16,800 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 525883 | BONY | 58 | MERIL | 8/7/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.14 | 2.142 | 15,000,000 | 14,988,408 | - | - | 11,592 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 526027 | BONY | 58 | MERIL | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.09 | 2.09 | 50,000,000 | 49,997,097 | - | - | 2,903 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 526032 | BONY | 58 | DAIWA | 8/19/2019 | 8/20/2019 | 8/20/2019 | Matured | 2.05 | 2.05 | 15,389,000 | 15,389,000 | - | - | 876 | - | - | 15,389,876 |
| FUND 9900 | COMM PAPER | 526065 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 8/20/2019 | Purchased | 2.13 | 2.134 | 50,000,000 | 49,914,208 | 85,792 | - | - | - | - | 49,914,208 |
| FUND 9900 | COMM PAPER | 526066 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 8/20/2019 | Purchased | 2.13 | 2.134 | 50,000,000 | 49,914,208 | 85,792 | - | - | - | - | 49,914,208 |
| FUND 9900 | COMM PAPER | 526067 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 8/20/2019 | Purchased | 2.13 | 2.134 | 30,000,000 | 29,948,525 | 51,475 | - | - | - | - | 29,948,525 |
| FUND 9900 | REPO INT | 526068 | BONY | 58 | DAIWA | 8/20/2019 | 8/21/2019 | 8/20/2019 | Purchased | 2.05 | 2.05 | 17,429,000 | 17,429,000 | - | - | - | - | - | 17,429,000 |
| FUND 9900 | REPO INT | 526068 | BONY | 58 | DAIWA | 8/20/2019 | 8/21/2019 | 8/21/2019 | Matured | 2.05 | 2.05 | 17,429,000 | 17,429,000 | - | - | 992 | - | - | 17,429,992 |
| FUND 9900 | COMM PAPER | 526082 | BONY | 58 | MERIL | 8/21/2019 | 9/18/2019 | 8/21/2019 | Purchased | 2.1 | 2.103 | 20,000,000 | 19,967,333 | 32,667 | - | - | - | - | 19,967,333 |
| FUND 9900 | REPO INT | 526085 | BONY | 58 | DAIWA | 8/21/2019 | 8/22/2019 | 8/21/2019 | Purchased | 2.05 | 2.05 | 13,147,000 | 13,147,000 | - | - | - | - | - | 13,147,000 |
| FUND 9900 | REPO INT | 526085 | BONY | 58 | DAIWA | 8/21/2019 | 8/22/2019 | 8/22/2019 | Matured | 2.05 | 2.05 | 13,147,000 | 13,147,000 | - | - | 749 | - | - | 13,147,749 |
| FUND 9900 | COMM PAPER | 526104 | BONY | 58 | MERIL | 8/22/2019 | 9/5/2019 | 8/22/2019 | Purchased | 2.12 | 2.122 | 15,000,000 | 14,987,633 | 12,367 | - | - | - | - | 14,987,633 |
| FUND 9900 | REPO INT | 526112 | BONY | 58 | DAIWA | 8/22/2019 | 8/23/2019 | 8/22/2019 | Purchased | 2.05 | 2.05 | 11,183,000 | 11,183,000 | - | - | - | - | - | 11,183,000 |
| FUND 9900 | REPO INT | 526112 | BONY | 58 | DAIWA | 8/22/2019 | 8/23/2019 | 8/23/2019 | Matured | 2.05 | 2.05 | 11,183,000 | 11,183,000 | - | - | 637 | - | - | 11,183,637 |
| FUND 9900 | REPO INT | 526119 | BONY | 58 | DAIWA | 8/23/2019 | 8/26/2019 | 8/23/2019 | Purchased | 2.05 | 2.05 | 22,511,000 | 22,511,000 | - | - | - | - | - | 22,511,000 |
| FUND 9900 | REPO INT | 526119 | BONY | 58 | DAIWA | 8/23/2019 | 8/26/2019 | 8/26/2019 | Matured | 2.05 | 2.05 | 22,511,000 | 22,511,000 | - | - | 3,846 | - | - | 22,514,846 |
| FUND 9900 | COMM PAPER | 526124 | BONY | 58 | MERIL | 8/26/2019 | 9/18/2019 | 8/26/2019 | Purchased | 2.09 | 2.093 | 15,000,000 | 14,979,971 | 20,029 | - | - | - | - | 14,979,971 |
| FUND 9900 | REPO INT | 526125 | BONY | 58 | DAIWA | 8/26/2019 | 8/27/2019 | 8/26/2019 | Purchased | 2.05 | 2.05 | 11,343,000 | 11,343,000 | - | - | - | - | - | 11,343,000 |
| FUND 9900 | REPO INT | 526125 | BONY | 58 | DAIWA | 8/26/2019 | 8/27/2019 | 8/27/2019 | Matured | 2.05 | 2.05 | 11,343,000 | 11,343,000 | - | - | 646 | - | - | 11,343,646 |
| FUND 9900 | REPO INT | 526140 | BONY | 58 | DAIWA | 8/27/2019 | 8/28/2019 | 8/27/2019 | Purchased | 2.06 | 2.06 | 9,753,000 | 9,753,000 | - | - | - | - | - | 9,753,000 |
| FUND 9900 | REPO INT | 526140 | BONY | 58 | DAIWA | 8/27/2019 | 8/28/2019 | 8/28/2019 | Matured | 2.06 | 2.06 | 9,753,000 | 9,753,000 | - | - | 558 | - | - | 9,753,558 |
| FUND 9900 | REPO INT | 526148 | BONY | 58 | DAIWA | 8/28/2019 | 8/29/2019 | 8/28/2019 | Purchased | 2.05 | 2.05 | 20,648,000 | 20,648,000 | - | - | - | - | - | 20,648,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 526148 | BONY | 58 | DAIWA | 8/28/2019 | 8/29/2019 | 8/29/2019 | Matured | 2.05 | 2.05 | 20,648,000 | 20,648,000 | - | - | 1,176 | - | - | 20,649,176 |
| FUND 9900 | COMM PAPER | 526159 | BONY | 58 | MERIL | 8/29/2019 | 9/17/2019 | 8/29/2019 | Purchased | 2.11 | 2.112 | 15,000,000 | 14,983,296 | 16,704 | - | - | - | - | 14,983,296 |
| FUND 9900 | REPO INT | 526168 | BONY | 58 | DAIWA | 8/29/2019 | 8/30/2019 | 8/29/2019 | Purchased | 2.05 | 2.05 | 11,527,000 | 11,527,000 | - | - | - | - | - | 11,527,000 |
| FUND 9900 | REPO INT | 526168 | BONY | 58 | DAIWA | 8/29/2019 | 8/30/2019 | 8/30/2019 | Matured | 2.05 | 2.05 | 11,527,000 | 11,527,000 | - | - | 656 | - | - | 11,527,656 |
| FUND 9900 | REPO INT | 526173 | BONY | 58 | DAIWA | 8/30/2019 | 9/3/2019 | 8/30/2019 | Purchased | 2.05 | 2.05 | 17,167,000 | 17,167,000 | - | - | - | - | - | 17,167,000 |
| FUND 9900 | REPO INT | 526173 | BONY | 58 | DAIWA | 8/30/2019 | 9/3/2019 | 9/3/2019 | Matured | 2.05 | 2.05 | 17,167,000 | 17,167,000 | - | - | 3,910 | - | - | 17,170,910 |
| FUND 9900 | REPO INT | 526189 | BONY | 58 | DAIWA | 9/3/2019 | 9/4/2019 | 9/3/2019 | Purchased | 2.05 | 2.05 | 14,401,000 | 14,401,000 | - | - | - | - | - | 14,401,000 |
| FUND 9900 | REPO INT | 526189 | BONY | 58 | DAIWA | 9/3/2019 | 9/4/2019 | 9/4/2019 | Matured | 2.05 | 2.05 | 14,401,000 | 14,401,000 | - | - | 820 | - | - | 14,401,820 |
| FUND 9900 | COMM PAPER | 526199 | BONY | 58 | CANT | 9/4/2019 | 9/18/2019 | 9/4/2019 | Purchased | 2.07 | 2.072 | 20,000,000 | 19,983,900 | 16,100 | - | - | - | - | 19,983,900 |
| FUND 9900 | REPO INT | 526202 | BONY | 58 | DAIWA | 9/4/2019 | 9/5/2019 | 9/4/2019 | Purchased | 2.1 | 2.1 | 6,258,000 | 6,258,000 | - | - | - | - | - | 6,258,000 |
| FUND 9900 | COMM PAPER | 526104 | BONY | 58 | MERIL | 8/22/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.12 | 2.122 | 15,000,000 | 14,987,633 | - | - | 12,367 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 526202 | BONY | 58 | DAIWA | 9/4/2019 | 9/5/2019 | 9/5/2019 | Matured | 2.1 | 2.1 | 6,258,000 | 6,258,000 | - | - | 365 | - | - | 6,258,365 |
| FUND 9900 | COMM PAPER | 526212 | BONY | 58 | MERIL | 9/5/2019 | 9/19/2019 | 9/5/2019 | Purchased | 2.07 | 2.072 | 25,000,000 | 24,979,875 | 20,125 | - | - | - | - | 24,979,875 |
| FUND 9900 | REPO INT | 526221 | BONY | 58 | DAIWA | 9/5/2019 | 9/6/2019 | 9/5/2019 | Purchased | 2.1 | 2.1 | 14,441,000 | 14,441,000 | - | - | - | - | - | 14,441,000 |
| FUND 9900 | REPO INT | 526221 | BONY | 58 | DAIWA | 9/5/2019 | 9/6/2019 | 9/6/2019 | Matured | 2.1 | 2.1 | 14,441,000 | 14,441,000 | - | - | 842 | - | - | 14,441,842 |
| FUND 9900 | COMM PAPER | 526263 | BONY | 58 | RBC | 9/6/2019 | 9/17/2019 | 9/6/2019 | Purchased | 2.08 | 2.081 | 10,000,000 | 9,993,644 | 6,356 | - | - | - | - | 9,993,644 |
| FUND 9900 | REPO INT | 526267 | BONY | 58 | DAIWA | 9/6/2019 | 9/9/2019 | 9/6/2019 | Purchased | 2.1 | 2.1 | 9,984,000 | 9,984,000 | - | - | - | - | - | 9,984,000 |
| FUND 9900 | REPO INT | 526267 | BONY | 58 | DAIWA | 9/6/2019 | 9/9/2019 | 9/9/2019 | Matured | 2.1 | 2.1 | 9,984,000 | 9,984,000 | - | - | 1,747 | - | - | 9,985,747 |
| FUND 9900 | REPO INT | 526275 | BONY | 58 | DAIWA | 9/9/2019 | 9/10/2019 | 9/9/2019 | Purchased | 2.05 | 2.05 | 16,325,000 | 16,325,000 | - | - | - | - | - | 16,325,000 |
| FUND 9900 | REPO INT | 526275 | BONY | 58 | DAIWA | 9/9/2019 | 9/10/2019 | 9/10/2019 | Matured | 2.05 | 2.05 | 16,325,000 | 16,325,000 | - | - | 930 | - | - | 16,325,930 |
| FUND 9900 | REPO INT | 526305 | BONY | 58 | DAIWA | 9/10/2019 | 9/11/2019 | 9/10/2019 | Purchased | 2.05 | 2.05 | 12,746,000 | 12,746,000 | - | - | - | - | - | 12,746,000 |
| FUND 9900 | REPO INT | 526305 | BONY | 58 | DAIWA | 9/10/2019 | 9/11/2019 | 9/11/2019 | Matured | 2.05 | 2.05 | 12,746,000 | 12,746,000 | - | - | 726 | - | - | 12,746,726 |
| FUND 9900 | REPO INT | 526314 | BONY | 58 | DAIWA | 9/11/2019 | 9/12/2019 | 9/11/2019 | Purchased | 2.05 | 2.05 | 16,011,000 | 16,011,000 | - | - | - | - | - | 16,011,000 |
| FUND 9900 | REPO INT | 526314 | BONY | 58 | DAIWA | 9/11/2019 | 9/12/2019 | 9/12/2019 | Matured | 2.05 | 2.05 | 16,011,000 | 16,011,000 | - | - | 912 | - | - | 16,011,912 |
| FUND 9900 | COMM PAPER | 526325 | BONY | 58 | CANT | 9/12/2019 | 9/19/2019 | 9/12/2019 | Purchased | 2.09 | 2.091 | 15,000,000 | 14,993,904 | 6,096 | - | - | - | - | 14,993,904 |
| FUND 9900 | REPO INT | 526328 | BONY | 58 | DAIWA | 9/12/2019 | 9/13/2019 | 9/12/2019 | Purchased | 2.05 | 2.05 | 11,105,000 | 11,105,000 | - | - | - | - | - | 11,105,000 |
| FUND 9900 | REPO INT | 526328 | BONY | 58 | DAIWA | 9/12/2019 | 9/13/2019 | 9/13/2019 | Matured | 2.05 | 2.05 | 11,105,000 | 11,105,000 | - | - | 632 | - | - | 11,105,632 |
| FUND 9900 | REPO INT | 526346 | BONY | 58 | DAIWA | 9/13/2019 | 9/16/2019 | 9/13/2019 | Purchased | 2.05 | 2.05 | 19,699,000 | 19,699,000 | - | - | - | - | - | 19,699,000 |
| FUND 9900 | REPO INT | 526346 | BONY | 58 | DAIWA | 9/13/2019 | 9/16/2019 | 9/16/2019 | Matured | 2.05 | 2.05 | 19,699,000 | 19,699,000 | - | - | 3,365 | - | - | 19,702,365 |
| FUND 9900 | COMM PAPER | 526353 | BONY | 58 | RBC | 9/16/2019 | 9/18/2019 | 9/16/2019 | Purchased | 2.25 | 2.25 | 30,000,000 | 29,996,250 | 3,750 | - | - | - | - | 29,996,250 |
| FUND 9900 | REPO INT | 526363 | BONY | 58 | DAIWA | 9/16/2019 | 9/17/2019 | 9/16/2019 | Purchased | 2.25 | 2.25 | 7,762,000 | 7,762,000 | - | - | - | - | - | 7,762,000 |
| FUND 9900 | COMM PAPER | 526159 | BONY | 58 | MERIL | 8/29/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.11 | 2.112 | 15,000,000 | 14,983,296 | - | - | 16,704 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 526263 | BONY | 58 | RBC | 9/6/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.08 | 2.081 | 10,000,000 | 9,993,644 | - | - | 6,356 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 526363 | BONY | 58 | DAIWA | 9/16/2019 | 9/17/2019 | 9/17/2019 | Matured | 2.25 | 2.25 | 7,762,000 | 7,762,000 | - | - | 485 | - | - | 7,762,485 |
| FUND 9900 | COMM PAPER | 526367 | BONY | 58 | MERIL | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 4 | 4 | 35,000,000 | 34,996,111 | 3,889 | - | - | - | - | 34,996,111 |
| FUND 9900 | REPO INT | 526376 | BONY | 58 | DAIWA | 9/17/2019 | 9/18/2019 | 9/17/2019 | Purchased | 5 | 5 | 6,702,000 | 6,702,000 | - | - | - | - | - | 6,702,000 |
| FUND 9900 | COMM PAPER | 526065 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.13 | 2.134 | 50,000,000 | 49,914,208 | - | - | 85,792 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526066 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.13 | 2.134 | 50,000,000 | 49,914,208 | - | - | 85,792 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526067 | BONY | 58 | MERIL | 8/20/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.13 | 2.134 | 30,000,000 | 29,948,525 | - | - | 51,475 | - | - | 30,000,000 |
| FUND 9900 | COMM PAPER | 526082 | BONY | 58 | MERIL | 8/21/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.1 | 2.103 | 20,000,000 | 19,967,333 | - | - | 32,667 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 526124 | BONY | 58 | MERIL | 8/26/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.09 | 2.093 | 15,000,000 | 14,979,971 | - | - | 20,029 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 526199 | BONY | 58 | CANT | 9/4/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.07 | 2.072 | 20,000,000 | 19,983,900 | - | - | 16,100 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 526353 | BONY | 58 | RBC | 9/16/2019 | 9/18/2019 | 9/18/2019 | Matured | 2.25 | 2.25 | 30,000,000 | 29,996,250 | - | - | 3,750 | - | - | 30,000,000 |
| FUND 9900 | COMM PAPER | 526367 | BONY | 58 | MERIL | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 4 | 4 | 35,000,000 | 34,996,111 | - | - | 3,889 | - | - | 35,000,000 |
| FUND 9900 | REPO INT | 526376 | BONY | 58 | DAIWA | 9/17/2019 | 9/18/2019 | 9/18/2019 | Matured | 5 | 5 | 6,702,000 | 6,702,000 | - | - | 931 | - | - | 6,702,931 |
| FUND 9900 | COMM PAPER | 526391 | BONY | 58 | MERIL | 9/18/2019 | 10/16/2019 | 9/18/2019 | Purchased | 2.03 | 2.033 | 50,000,000 | 49,921,056 | 78,944 | - | - | - | - | 49,921,056 |
| FUND 9900 | COMM PAPER | 526392 | BONY | 58 | MERIL | 9/18/2019 | 10/16/2019 | 9/18/2019 | Purchased | 2.03 | 2.033 | 50,000,000 | 49,921,056 | 78,944 | - | - | - | - | 49,921,056 |
| FUND 9900 | REPO INT | 526393 | BONY | 58 | DAIWA | 9/18/2019 | 9/19/2019 | 9/18/2019 | Purchased | 2.25 | 2.25 | 16,538,000 | 16,538,000 | - | - | - | - | - | 16,538,000 |
| FUND 9900 | COMM PAPER | 526212 | BONY | 58 | MERIL | 9/5/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.07 | 2.072 | 25,000,000 | 24,979,875 | - | - | 20,125 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 526325 | BONY | 58 | CANT | 9/12/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.09 | 2.091 | 15,000,000 | 14,993,904 | - | - | 6,096 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 526393 | BONY | 58 | DAIWA | 9/18/2019 | 9/19/2019 | 9/19/2019 | Matured | 2.25 | 2.25 | 16,538,000 | 16,538,000 | - | - | 1,034 | - | - | 16,539,034 |
| FUND 9900 | COMM PAPER | 526404 | BONY | 58 | RBC | 9/19/2019 | 10/16/2019 | 9/19/2019 | Purchased | 2 | 2.003 | 50,000,000 | 49,925,000 | 75,000 | - | - | - | - | 49,925,000 |
| FUND 9900 | REPO INT | 526410 | BONY | 58 | DAIWA | 9/19/2019 | 9/20/2019 | 9/19/2019 | Purchased | 1.8 | 1.8 | 13,075,000 | 13,075,000 | - | - | - | - | - | 13,075,000 |
| FUND 9900 | REPO INT | 526410 | BONY | 58 | DAIWA | 9/19/2019 | 9/20/2019 | 9/20/2019 | Matured | 1.8 | 1.8 | 13,075,000 | 13,075,000 | - | - | 654 | - | - | 13,075,654 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | REPO INT | 526427 | BONY | 58 | DAIWA | 9/20/2019 | 9/23/2019 | 9/20/2019 | Purchased | 1.75 | 1.75 | 19,890,000 | 19,890,000 | - | - | - | - | - | 19,890,000 |
| FUND 9900 | REPO INT | 526427 | BONY | 58 | DAIWA | 9/20/2019 | 9/23/2019 | 9/23/2019 | Matured | 1.75 | 1.75 | 19,890,000 | 19,890,000 | - | - | 2,901 | - | - | 19,892,901 |
| FUND 9900 | REPO INT | 526434 | BONY | 58 | DAIWA | 9/23/2019 | 9/24/2019 | 9/23/2019 | Purchased | 1.8 | 1.8 | 29,643,000 | 29,643,000 | - | - | - | - | - | 29,643,000 |
| FUND 9900 | REPO INT | 526434 | BONY | 58 | DAIWA | 9/23/2019 | 9/24/2019 | 9/24/2019 | Matured | 1.8 | 1.8 | 29,643,000 | 29,643,000 | - | - | 1,482 | - | - | 29,644,482 |
| FUND 9900 | REPO INT | 526453 | BONY | 58 | DAIWA | 9/24/2019 | 9/25/2019 | 9/24/2019 | Purchased | 1.85 | 1.85 | 38,432,000 | 38,432,000 | - | - | - | - | - | 38,432,000 |
| FUND 9900 | REPO INT | 526453 | BONY | 58 | DAIWA | 9/24/2019 | 9/25/2019 | 9/25/2019 | Matured | 1.85 | 1.85 | 38,432,000 | 38,432,000 | - | - | 1,975 | - | - | 38,433,975 |
| FUND 9900 | REPO INT | 526472 | BONY | 58 | DAIWA | 9/25/2019 | 9/26/2019 | 9/25/2019 | Purchased | 1.8 | 1.8 | 34,395,000 | 34,395,000 | - | - | - | - | - | 34,395,000 |
| FUND 9900 | REPO INT | 526472 | BONY | 58 | DAIWA | 9/25/2019 | 9/26/2019 | 9/26/2019 | Matured | 1.8 | 1.8 | 34,395,000 | 34,395,000 | - | - | 1,720 | - | - | 34,396,720 |
| FUND 9900 | COMM PAPER | 526481 | BONY | 58 | CANT | 9/26/2019 | 10/17/2019 | 9/26/2019 | Purchased | 1.92 | 1.922 | 20,000,000 | 19,977,600 | 22,400 | - | - | - | - | 19,977,600 |
| FUND 9900 | REPO INT | 526488 | BONY | 58 | DAIWA | 9/26/2019 | 9/27/2019 | 9/26/2019 | Purchased | 1.8 | 1.8 | 11,698,000 | 11,698,000 | - | - | - | - | - | 11,698,000 |
| FUND 9900 | REPO INT | 526488 | BONY | 58 | DAIWA | 9/26/2019 | 9/27/2019 | 9/27/2019 | Matured | 1.8 | 1.8 | 11,698,000 | 11,698,000 | - | - | 585 | - | - | 11,698,585 |
| FUND 9900 | REPO INT | 526493 | BONY | 58 | DAIWA | 9/27/2019 | 9/30/2019 | 9/27/2019 | Purchased | 1.8 | 1.8 | 16,686,000 | 16,686,000 | - | - | - | - | - | 16,686,000 |
| FUND 9900 | REPO INT | 526493 | BONY | 58 | DAIWA | 9/27/2019 | 9/30/2019 | 9/30/2019 | Matured | 1.8 | 1.8 | 16,686,000 | 16,686,000 | - | - | 2,503 | - | - | 16,688,503 |
| FUND 9900 | REPO INT | 526519 | BONY | 58 | DAIWA | 9/30/2019 | 10/1/2019 | 9/30/2019 | Purchased | 2.2 | 2.2 | 19,548,000 | 19,548,000 | - | - | - | - | - | 19,548,000 |
| FUND 9900 | REPO INT | 526519 | BONY | 58 | DAIWA | 9/30/2019 | 10/1/2019 | 10/1/2019 | Matured | 2.2 | 2.2 | 19,548,000 | 19,548,000 | - | - | 1,195 | - | - | 19,549,195 |
| FUND 9900 | REPO INT | 526535 | BONY | 58 | DAIWA | 10/1/2019 | 10/2/2019 | 10/1/2019 | Purchased | 1.8 | 1.8 | 18,951,000 | 18,951,000 | - | - | - | - | - | 18,951,000 |
| FUND 9900 | REPO INT | 526535 | BONY | 58 | DAIWA | 10/1/2019 | 10/2/2019 | 10/2/2019 | Matured | 1.8 | 1.8 | 18,951,000 | 18,951,000 | - | - | 948 | - | - | 18,951,948 |
| FUND 9900 | COMM PAPER | 526551 | BONY | 58 | MERIL | 10/2/2019 | 10/16/2019 | 10/2/2019 | Purchased | 1.89 | 1.891 | 25,000,000 | 24,981,625 | 18,375 | - | - | - | - | 24,981,625 |
| FUND 9900 | REPO INT | 526553 | BONY | 58 | DAIWA | 10/2/2019 | 10/3/2019 | 10/2/2019 | Purchased | 1.8 | 1.8 | 13,080,000 | 13,080,000 | - | - | - | - | - | 13,080,000 |
| FUND 9900 | REPO INT | 526553 | BONY | 58 | DAIWA | 10/2/2019 | 10/3/2019 | 10/3/2019 | Matured | 1.8 | 1.8 | 13,080,000 | 13,080,000 | - | - | 654 | - | - | 13,080,654 |
| FUND 9900 | REPO INT | 526579 | BONY | 58 | DAIWA | 10/3/2019 | 10/4/2019 | 10/3/2019 | Purchased | 1.75 | 1.75 | 18,756,000 | 18,756,000 | - | - | - | - | - | 18,756,000 |
| FUND 9900 | REPO INT | 526579 | BONY | 58 | DAIWA | 10/3/2019 | 10/4/2019 | 10/4/2019 | Matured | 1.75 | 1.75 | 18,756,000 | 18,756,000 | - | - | 912 | - | - | 18,756,912 |
| FUND 9900 | COMM PAPER | 526585 | BONY | 58 | CANT | 10/4/2019 | 10/16/2019 | 10/4/2019 | Purchased | 1.785 | 1.786 | 12,000,000 | 11,992,860 | 7,140 | - | - | - | - | 11,992,860 |
| FUND 9900 | REPO INT | 526586 | BONY | 58 | DAIWA | 10/4/2019 | 10/7/2019 | 10/4/2019 | Purchased | 1.75 | 1.75 | 14,008,000 | 14,008,000 | - | - | - | - | - | 14,008,000 |
| FUND 9900 | REPO INT | 526586 | BONY | 58 | DAIWA | 10/4/2019 | 10/7/2019 | 10/7/2019 | Matured | 1.75 | 1.75 | 14,008,000 | 14,008,000 | - | - | 2,043 | - | - | 14,010,043 |
| FUND 9900 | REPO INT | 526595 | BONY | 58 | DAIWA | 10/7/2019 | 10/8/2019 | 10/7/2019 | Purchased | 1.75 | 1.75 | 20,895,000 | 20,895,000 | - | - | - | - | - | 20,895,000 |
| FUND 9900 | REPO INT | 526595 | BONY | 58 | DAIWA | 10/7/2019 | 10/8/2019 | 10/8/2019 | Matured | 1.75 | 1.75 | 20,895,000 | 20,895,000 | - | - | 1,016 | - | - | 20,896,016 |
| FUND 9900 | COMM PAPER | 526603 | BONY | 58 | MERIL | 10/8/2019 | 10/16/2019 | 10/8/2019 | Purchased | 1.78 | 1.781 | 15,000,000 | 14,994,067 | 5,933 | - | - | - | - | 14,994,067 |
| FUND 9900 | REPO INT | 526610 | BONY | 58 | DAIWA | 10/8/2019 | 10/9/2019 | 10/8/2019 | Purchased | 1.75 | 1.75 | 13,928,000 | 13,928,000 | - | - | - | - | - | 13,928,000 |
| FUND 9900 | REPO INT | 526610 | BONY | 58 | DAIWA | 10/8/2019 | 10/9/2019 | 10/9/2019 | Matured | 1.75 | 1.75 | 13,928,000 | 13,928,000 | - | - | 677 | - | - | 13,928,677 |
| FUND 9900 | REPO INT | 526623 | BONY | 58 | DAIWA | 10/9/2019 | 10/10/2019 | 10/9/2019 | Purchased | 1.8 | 1.8 | 12,113,000 | 12,113,000 | - | - | - | - | - | 12,113,000 |
| FUND 9900 | REPO INT | 526623 | BONY | 58 | DAIWA | 10/9/2019 | 10/10/2019 | 10/10/2019 | Matured | 1.8 | 1.8 | 12,113,000 | 12,113,000 | - | - | 606 | - | - | 12,113,606 |
| FUND 9900 | REPO INT | 526650 | BONY | 58 | DAIWA | 10/10/2019 | 10/11/2019 | 10/10/2019 | Purchased | 1.78 | 1.78 | 18,995,000 | 18,995,000 | - | - | - | - | - | 18,995,000 |
| FUND 9900 | REPO INT | 526650 | BONY | 58 | DAIWA | 10/10/2019 | 10/11/2019 | 10/11/2019 | Matured | 1.78 | 1.78 | 18,995,000 | 18,995,000 | - | - | 939 | - | - | 18,995,939 |
| FUND 9900 | REPO INT | 526663 | BONY | 58 | DAIWA | 10/11/2019 | 10/15/2019 | 10/11/2019 | Purchased | 1.75 | 1.75 | 17,894,000 | 17,894,000 | - | - | - | - | - | 17,894,000 |
| FUND 9900 | REPO INT | 526663 | BONY | 58 | DAIWA | 10/11/2019 | 10/15/2019 | 10/15/2019 | Matured | 1.75 | 1.75 | 17,894,000 | 17,894,000 | - | - | 3,479 | - | - | 17,897,479 |
| FUND 9900 | REPO INT | 526689 | BONY | 58 | DAIWA | 10/15/2019 | 10/16/2019 | 10/15/2019 | Purchased | 1.75 | 1.75 | 20,937,000 | 20,937,000 | - | - | - | - | - | 20,937,000 |
| FUND 9900 | COMM PAPER | 526391 | BONY | 58 | MERIL | 9/18/2019 | 10/16/2019 | 10/16/2019 | Matured | 2.03 | 2.033 | 50,000,000 | 49,921,056 | - | - | 78,944 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526392 | BONY | 58 | MERIL | 9/18/2019 | 10/16/2019 | 10/16/2019 | Matured | 2.03 | 2.033 | 50,000,000 | 49,921,056 | - | - | 78,944 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526404 | BONY | 58 | RBC | 9/19/2019 | 10/16/2019 | 10/16/2019 | Matured | 2 | 2.003 | 50,000,000 | 49,925,000 | - | - | 75,000 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526551 | BONY | 58 | MERIL | 10/2/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.89 | 1.891 | 25,000,000 | 24,981,625 | - | - | 18,375 | - | - | 25,000,000 |
| FUND 9900 | COMM PAPER | 526585 | BONY | 58 | CANT | 10/4/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.785 | 1.786 | 12,000,000 | 11,992,860 | - | - | 7,140 | - | - | 12,000,000 |
| FUND 9900 | COMM PAPER | 526603 | BONY | 58 | MERIL | 10/8/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.78 | 1.781 | 15,000,000 | 14,994,067 | - | - | 5,933 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 526689 | BONY | 58 | DAIWA | 10/15/2019 | 10/16/2019 | 10/16/2019 | Matured | 1.75 | 1.75 | 20,937,000 | 20,937,000 | - | - | 1,018 | - | - | 20,938,018 |
| FUND 9900 | FFCB DISC | 526700 | BONY | 58 | CANT | 10/16/2019 | 11/20/2019 | 10/16/2019 | Purchased | 1.71 | 1.713 | 50,000,000 | 49,916,875 | 83,125 | - | - | - | - | 49,916,875 |
| FUND 9900 | COMM PAPER | 526701 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/16/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,995,028 | 4,972 | - | - | - | - | 49,995,028 |
| FUND 9900 | COMM PAPER | 526702 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/16/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,995,028 | 4,972 | - | - | - | - | 49,995,028 |
| FUND 9900 | COMM PAPER | 526703 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/16/2019 | Purchased | 1.79 | 1.79 | 50,000,000 | 49,995,028 | 4,972 | - | - | - | - | 49,995,028 |
| FUND 9900 | REPO INT | 526720 | BONY | 58 | DAIWA | 10/16/2019 | 10/17/2019 | 10/16/2019 | Purchased | 1.75 | 1.75 | 26,395,000 | 26,395,000 | - | - | - | - | - | 26,395,000 |
| FUND 9900 | COMM PAPER | 526481 | BONY | 58 | CANT | 9/26/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.92 | 1.922 | 20,000,000 | 19,977,600 | - | - | 22,400 | - | - | 20,000,000 |
| FUND 9900 | REPO INT | 526720 | BONY | 58 | DAIWA | 10/16/2019 | 10/17/2019 | 10/17/2019 | Matured | 1.75 | 1.75 | 26,395,000 | 26,395,000 | - | - | 1,283 | - | - | 26,396,283 |
| FUND 9900 | COMM PAPER | 526734 | BONY | 58 | CANT | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.82 | 1.82 | 50,000,000 | 49,997,472 | 2,528 | - | - | - | - | 49,997,472 |
| FUND 9900 | REPO INT | 526741 | BONY | 58 | DAIWA | 10/17/2019 | 10/18/2019 | 10/17/2019 | Purchased | 1.75 | 1.75 | 13,826,000 | 13,826,000 | - | - | - | - | - | 13,826,000 |
| FUND 9900 | COMM PAPER | 526701 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,995,028 | - | - | 4,972 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | COMM PAPER | 526702 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,995,028 | - | - | 4,972 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526703 | BONY | 58 | MERIL | 10/16/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.79 | 1.79 | 50,000,000 | 49,995,028 | - | - | 4,972 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526734 | BONY | 58 | CANT | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.82 | 1.82 | 50,000,000 | 49,997,472 | - | - | 2,528 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 526741 | BONY | 58 | DAIWA | 10/17/2019 | 10/18/2019 | 10/18/2019 | Matured | 1.75 | 1.75 | 13,826,000 | 13,826,000 | - | - | 672 | - | - | 13,826,672 |
| FUND 9900 | COMM PAPER | 526751 | BONY | 58 | CANT | 10/18/2019 | 11/18/2019 | 10/18/2019 | Purchased | 1.84 | 1.843 | 50,000,000 | 49,920,778 | 79,222 | - | - | - | - | 49,920,778 |
| FUND 9900 | REPO INT | 526759 | BONY | 58 | DAIWA | 10/18/2019 | 10/21/2019 | 10/18/2019 | Purchased | 1.75 | 1.75 | 20,172,000 | 20,172,000 | - | - | - | - | - | 20,172,000 |
| FUND 9900 | REPO INT | 526759 | BONY | 58 | DAIWA | 10/18/2019 | 10/21/2019 | 10/21/2019 | Matured | 1.75 | 1.75 | 20,172,000 | 20,172,000 | - | - | 2,942 | - | - | 20,174,942 |
| FUND 9900 | COMM PAPER | 526767 | BONY | 58 | MERIL | 10/21/2019 | 11/19/2019 | 10/21/2019 | Purchased | 1.86 | 1.863 | 20,000,000 | 19,970,033 | 29,967 | - | - | - | - | 19,970,033 |
| FUND 9900 | REPO INT | 526769 | BONY | 58 | DAIWA | 10/21/2019 | 10/22/2019 | 10/21/2019 | Purchased | 1.75 | 1.75 | 14,662,000 | 14,662,000 | - | - | - | - | - | 14,662,000 |
| FUND 9900 | REPO INT | 526769 | BONY | 58 | DAIWA | 10/21/2019 | 10/22/2019 | 10/22/2019 | Matured | 1.75 | 1.75 | 14,662,000 | 14,662,000 | - | - | 713 | - | - | 14,662,713 |
| FUND 9900 | COMM PAPER | 526778 | BONY | 58 | MERIL | 10/22/2019 | 11/4/2019 | 10/22/2019 | Purchased | 1.75 | 1.751 | 10,000,000 | 9,993,681 | 6,319 | - | - | - | - | 9,993,681 |
| FUND 9900 | REPO INT | 526782 | BONY | 58 | DAIWA | 10/22/2019 | 10/23/2019 | 10/22/2019 | Purchased | 1.75 | 1.75 | 17,352,000 | 17,352,000 | - | - | - | - | - | 17,352,000 |
| FUND 9900 | REPO INT | 526782 | BONY | 58 | DAIWA | 10/22/2019 | 10/23/2019 | 10/23/2019 | Matured | 1.75 | 1.75 | 17,352,000 | 17,352,000 | - | - | 844 | - | - | 17,352,844 |
| FUND 9900 | COMM PAPER | 526789 | BONY | 58 | CANT | 10/23/2019 | 11/18/2019 | 10/23/2019 | Purchased | 1.79 | 1.792 | 10,000,000 | 9,987,072 | 12,928 | - | - | - | - | 9,987,072 |
| FUND 9900 | REPO INT | 526793 | BONY | 58 | DAIWA | 10/23/2019 | 10/24/2019 | 10/23/2019 | Purchased | 1.75 | 1.75 | 14,683,000 | 14,683,000 | - | - | - | - | - | 14,683,000 |
| FUND 9900 | REPO INT | 526793 | BONY | 58 | DAIWA | 10/23/2019 | 10/24/2019 | 10/24/2019 | Matured | 1.75 | 1.75 | 14,683,000 | 14,683,000 | - | - | 714 | - | - | 14,683,714 |
| FUND 9900 | REPO INT | 526806 | BONY | 58 | DAIWA | 10/24/2019 | 10/25/2019 | 10/24/2019 | Purchased | 1.75 | 1.75 | 19,719,000 | 19,719,000 | - | - | - | - | - | 19,719,000 |
| FUND 9900 | REPO INT | 526806 | BONY | 58 | DAIWA | 10/24/2019 | 10/25/2019 | 10/25/2019 | Matured | 1.75 | 1.75 | 19,719,000 | 19,719,000 | - | - | 959 | - | - | 19,719,959 |
| FUND 9900 | COMM PAPER | 526818 | BONY | 58 | MERIL | 10/25/2019 | 11/18/2019 | 10/25/2019 | Purchased | 1.78 | 1.782 | 15,000,000 | 14,982,200 | 17,800 | - | - | - | - | 14,982,200 |
| FUND 9900 | REPO INT | 526821 | BONY | 58 | DAIWA | 10/25/2019 | 10/28/2019 | 10/25/2019 | Purchased | 1.75 | 1.75 | 11,366,000 | 11,366,000 | - | - | - | - | - | 11,366,000 |
| FUND 9900 | REPO INT | 526821 | BONY | 58 | DAIWA | 10/25/2019 | 10/28/2019 | 10/28/2019 | Matured | 1.75 | 1.75 | 11,366,000 | 11,366,000 | - | - | 1,658 | - | - | 11,367,658 |
| FUND 9900 | REPO INT | 526826 | BONY | 58 | DAIWA | 10/28/2019 | 10/29/2019 | 10/28/2019 | Purchased | 1.75 | 1.75 | 16,836,000 | 16,836,000 | - | - | - | - | - | 16,836,000 |
| FUND 9900 | REPO INT | 526826 | BONY | 58 | DAIWA | 10/28/2019 | 10/29/2019 | 10/29/2019 | Matured | 1.75 | 1.75 | 16,836,000 | 16,836,000 | - | - | 818 | - | - | 16,836,818 |
| FUND 9900 | COMM PAPER | 526834 | BONY | 58 | MERIL | 10/29/2019 | 11/19/2019 | 10/29/2019 | Purchased | 1.76 | 1.762 | 10,000,000 | 9,989,733 | 10,267 | - | - | - | - | 9,989,733 |
| FUND 9900 | REPO INT | 526838 | BONY | 58 | DAIWA | 10/29/2019 | 10/30/2019 | 10/29/2019 | Purchased | 1.75 | 1.75 | 13,581,000 | 13,581,000 | - | - | - | - | - | 13,581,000 |
| FUND 9900 | REPO INT | 526838 | BONY | 58 | DAIWA | 10/29/2019 | 10/30/2019 | 10/30/2019 | Matured | 1.75 | 1.75 | 13,581,000 | 13,581,000 | - | - | 660 | - | - | 13,581,660 |
| FUND 9900 | REPO INT | 526849 | BONY | 58 | DAIWA | 10/30/2019 | 10/31/2019 | 10/30/2019 | Purchased | 1.75 | 1.75 | 13,232,000 | 13,232,000 | - | - | - | - | - | 13,232,000 |
| FUND 9900 | REPO INT | 526849 | BONY | 58 | DAIWA | 10/30/2019 | 10/31/2019 | 10/31/2019 | Matured | 1.75 | 1.75 | 13,232,000 | 13,232,000 | - | - | 643 | - | - | 13,232,643 |
| FUND 9900 | REPO INT | 526852 | BONY | 58 | DAIWA | 10/31/2019 | 11/1/2019 | 10/31/2019 | Purchased | 1.7 | 1.7 | 20,577,000 | 20,577,000 | - | - | - | - | - | 20,577,000 |
| FUND 9900 | REPO INT | 526852 | BONY | 58 | DAIWA | 10/31/2019 | 11/1/2019 | 11/1/2019 | Matured | 1.7 | 1.7 | 20,577,000 | 20,577,000 | - | - | 972 | - | - | 20,577,972 |
| FUND 9900 | REPO INT | 526872 | BONY | 58 | DAIWA | 11/1/2019 | 11/4/2019 | 11/1/2019 | Purchased | 1.5 | 1.5 | 25,450,000 | 25,450,000 | - | - | - | - | - | 25,450,000 |
| FUND 9900 | COMM PAPER | 526778 | BONY | 58 | MERIL | 10/22/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.75 | 1.751 | 10,000,000 | 9,993,681 | - | - | 6,319 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 526872 | BONY | 58 | DAIWA | 11/1/2019 | 11/4/2019 | 11/4/2019 | Matured | 1.5 | 1.5 | 25,450,000 | 25,450,000 | - | - | 3,181 | - | - | 25,453,181 |
| FUND 9900 | COMM PAPER | 526882 | BONY | 58 | MERIL | 11/4/2019 | 11/18/2019 | 11/4/2019 | Purchased | 1.62 | 1.621 | 25,000,000 | 24,984,250 | 15,750 | - | - | - | - | 24,984,250 |
| FUND 9900 | REPO INT | 526883 | BONY | 58 | DAIWA | 11/4/2019 | 11/5/2019 | 11/4/2019 | Purchased | 1.5 | 1.5 | 20,336,000 | 20,336,000 | - | - | - | - | - | 20,336,000 |
| FUND 9900 | REPO INT | 526883 | BONY | 58 | DAIWA | 11/4/2019 | 11/5/2019 | 11/5/2019 | Matured | 1.5 | 1.5 | 20,336,000 | 20,336,000 | - | - | 847 | - | - | 20,336,847 |
| FUND 9900 | COMM PAPER | 526893 | BONY | 58 | CANT | 11/5/2019 | 11/12/2019 | 11/5/2019 | Purchased | 1.55 | 1.55 | 15,000,000 | 14,995,479 | 4,521 | - | - | - | - | 14,995,479 |
| FUND 9900 | REPO INT | 526903 | BONY | 58 | DAIWA | 11/5/2019 | 11/6/2019 | 11/5/2019 | Purchased | 1.5 | 1.5 | 15,559,000 | 15,559,000 | - | - | - | - | - | 15,559,000 |
| FUND 9900 | REPO INT | 526903 | BONY | 58 | DAIWA | 11/5/2019 | 11/6/2019 | 11/6/2019 | Matured | 1.5 | 1.5 | 15,559,000 | 15,559,000 | - | - | 648 | - | - | 15,559,648 |
| FUND 9900 | COMM PAPER | 526914 | BONY | 58 | MERIL | 11/6/2019 | 11/13/2019 | 11/6/2019 | Purchased | 1.54 | 1.54 | 10,000,000 | 9,997,006 | 2,994 | - | - | - | - | 9,997,006 |
| FUND 9900 | REPO INT | 526917 | BONY | 58 | DAIWA | 11/6/2019 | 11/7/2019 | 11/6/2019 | Purchased | 1.5 | 1.5 | 15,227,000 | 15,227,000 | - | - | - | - | - | 15,227,000 |
| FUND 9900 | REPO INT | 526917 | BONY | 58 | DAIWA | 11/6/2019 | 11/7/2019 | 11/7/2019 | Matured | 1.5 | 1.5 | 15,227,000 | 15,227,000 | - | - | 634 | - | - | 15,227,634 |
| FUND 9900 | REPO INT | 526936 | BONY | 58 | DAIWA | 11/7/2019 | 11/8/2019 | 11/7/2019 | Purchased | 1.5 | 1.5 | 23,353,000 | 23,353,000 | - | - | - | - | - | 23,353,000 |
| FUND 9900 | REPO INT | 526936 | BONY | 58 | DAIWA | 11/7/2019 | 11/8/2019 | 11/8/2019 | Matured | 1.5 | 1.5 | 23,353,000 | 23,353,000 | - | - | 973 | - | - | 23,353,973 |
| FUND 9900 | COMM PAPER | 526951 | BONY | 58 | MERIL | 11/8/2019 | 11/19/2019 | 11/8/2019 | Purchased | 1.54 | 1.541 | 15,000,000 | 14,992,942 | 7,058 | - | - | - | - | 14,992,942 |
| FUND 9900 | REPO INT | 526953 | BONY | 58 | DAIWA | 11/8/2019 | 11/12/2019 | 11/8/2019 | Purchased | 1.5 | 1.5 | 14,411,000 | 14,411,000 | - | - | - | - | - | 14,411,000 |
| FUND 9900 | COMM PAPER | 526893 | BONY | 58 | CANT | 11/5/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.55 | 1.55 | 15,000,000 | 14,995,479 | - | - | 4,521 | - | - | 15,000,000 |
| FUND 9900 | REPO INT | 526953 | BONY | 58 | DAIWA | 11/8/2019 | 11/12/2019 | 11/12/2019 | Matured | 1.5 | 1.5 | 14,411,000 | 14,411,000 | - | - | 2,402 | - | - | 14,413,402 |
| FUND 9900 | COMM PAPER | 526972 | BONY | 58 | RBC | 11/12/2019 | 11/19/2019 | 11/12/2019 | Purchased | 1.55 | 1.55 | 20,000,000 | 19,993,972 | 6,028 | - | - | - | - | 19,993,972 |
| FUND 9900 | REPO INT | 526978 | BONY | 58 | DAIWA | 11/12/2019 | 11/13/2019 | 11/12/2019 | Purchased | 1.5 | 1.5 | 5,396,000 | 5,396,000 | - | - | - | - | - | 5,396,000 |
| FUND 9900 | COMM PAPER | 526914 | BONY | 58 | MERIL | 11/6/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.54 | 1.54 | 10,000,000 | 9,997,006 | - | - | 2,994 | - | - | 10,000,000 |
| FUND 9900 | REPO INT | 526978 | BONY | 58 | DAIWA | 11/12/2019 | 11/13/2019 | 11/13/2019 | Matured | 1.5 | 1.5 | 5,396,000 | 5,396,000 | - | - | 225 | - | - | 5,396,225 |
| FUND 9900 | REPO INT | 526989 | BONY | 58 | DAIWA | 11/13/2019 | 11/14/2019 | 11/13/2019 | Purchased | 1.5 | 1.5 | 26,821,000 | 26,821,000 | - | - | - | - | - | 26,821,000 |
| FUND 9900 | REPO INT | 526989 | BONY | 58 | DAIWA | 11/13/2019 | 11/14/2019 | 11/14/2019 | Matured | 1.5 | 1.5 | 26,821,000 | 26,821,000 | - | - | 1,118 | - | - | 26,822,118 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | COMM PAPER | 527006 | BONY | 58 | CANT | 11/14/2019 | 11/21/2019 | 11/14/2019 | Purchased | 1.55 | 1.55 | 20,000,000 | 19,993,972 | 6,028 | - | - | - | - | 19,993,972 |
| FUND 9900 | REPO INT | 527013 | BONY | 58 | DAIWA | 11/14/2019 | 11/15/2019 | 11/14/2019 | Purchased | 1.5 | 1.5 | 16,344,000 | 16,344,000 | - | - | - | - | - | 16,344,000 |
| FUND 9900 | REPO INT | 527013 | BONY | 58 | DAIWA | 11/14/2019 | 11/15/2019 | 11/15/2019 | Matured | 1.5 | 1.5 | 16,344,000 | 16,344,000 | - | - | 681 | - | - | 16,344,681 |
| FUND 9900 | COMM PAPER | 527036 | BONY | 58 | CANT | 11/15/2019 | 11/21/2019 | 11/15/2019 | Purchased | 1.55 | 1.55 | 15,000,000 | 14,996,125 | 3,875 | - | - | - | - | 14,996,125 |
| FUND 9900 | REPO INT | 527039 | BONY | 58 | DAIWA | 11/15/2019 | 11/18/2019 | 11/15/2019 | Purchased | 1.5 | 1.5 | 9,669,000 | 9,669,000 | - | - | - | - | - | 9,669,000 |
| FUND 9900 | COMM PAPER | 526751 | BONY | 58 | CANT | 10/18/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.84 | 1.843 | 50,000,000 | 49,920,778 | - | - | 79,222 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 526789 | BONY | 58 | CANT | 10/23/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.79 | 1.792 | 10,000,000 | 9,987,072 | - | - | 12,928 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 526818 | BONY | 58 | MERIL | 10/25/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.78 | 1.782 | 15,000,000 | 14,982,200 | - | - | 17,800 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 526882 | BONY | 58 | MERIL | 11/4/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.62 | 1.621 | 25,000,000 | 24,984,250 | - | - | 15,750 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 527039 | BONY | 58 | DAIWA | 11/15/2019 | 11/18/2019 | 11/18/2019 | Matured | 1.5 | 1.5 | 9,669,000 | 9,669,000 | - | - | 1,209 | - | - | 9,670,209 |
| FUND 9900 | COMM PAPER | 527045 | BONY | 58 | CANT | 11/18/2019 | 11/21/2019 | 11/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,993,667 | 6,333 | - | - | - | - | 49,993,667 |
| FUND 9900 | COMM PAPER | 527046 | BONY | 58 | CANT | 11/18/2019 | 11/21/2019 | 11/18/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,993,667 | 6,333 | - | - | - | - | 49,993,667 |
| FUND 9900 | REPO INT | 527050 | BONY | 58 | DAIWA | 11/18/2019 | 11/19/2019 | 11/18/2019 | Purchased | 1.5 | 1.5 | 18,339,000 | 18,339,000 | - | - | - | - | - | 18,339,000 |
| FUND 9900 | COMM PAPER | 526767 | BONY | 58 | MERIL | 10/21/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.86 | 1.863 | 20,000,000 | 19,970,033 | - | - | 29,967 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 526834 | BONY | 58 | MERIL | 10/29/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.76 | 1.762 | 10,000,000 | 9,989,733 | - | - | 10,267 | - | - | 10,000,000 |
| FUND 9900 | COMM PAPER | 526951 | BONY | 58 | MERIL | 11/8/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.54 | 1.541 | 15,000,000 | 14,992,942 | - | - | 7,058 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 526972 | BONY | 58 | RBC | 11/12/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.55 | 1.55 | 20,000,000 | 19,993,972 | - | - | 6,028 | - | - | 20,000,000 |
| FUND 9900 | REPO INT | 527050 | BONY | 58 | DAIWA | 11/18/2019 | 11/19/2019 | 11/19/2019 | Matured | 1.5 | 1.5 | 18,339,000 | 18,339,000 | - | - | 764 | - | - | 18,339,764 |
| FUND 9900 | COMM PAPER | 527055 | BONY | 58 | CANT | 11/19/2019 | 11/21/2019 | 11/19/2019 | Purchased | 1.52 | 1.52 | 50,000,000 | 49,995,778 | 4,222 | - | - | - | - | 49,995,778 |
| FUND 9900 | COMM PAPER | 527056 | BONY | 58 | CANT | 11/19/2019 | 11/21/2019 | 11/19/2019 | Purchased | 1.52 | 1.52 | 30,000,000 | 29,997,467 | 2,533 | - | - | - | - | 29,997,467 |
| FUND 9900 | REPO INT | 527064 | BONY | 58 | DAIWA | 11/19/2019 | 11/20/2019 | 11/19/2019 | Purchased | 1.5 | 1.5 | 10,779,000 | 10,779,000 | - | - | - | - | - | 10,779,000 |
| FUND 9900 | FFCB DISC | 526700 | BONY | 58 | CANT | 10/16/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.71 | 1.713 | 50,000,000 | 49,916,875 | - | - | 83,125 | - | - | 50,000,000 |
| FUND 9900 | REPO INT | 527064 | BONY | 58 | DAIWA | 11/19/2019 | 11/20/2019 | 11/20/2019 | Matured | 1.5 | 1.5 | 10,779,000 | 10,779,000 | - | - | 449 | - | - | 10,779,449 |
| FUND 9900 | FFCB DISC | 527077 | BONY | 58 | DAIWA | 11/20/2019 | 12/4/2019 | 11/20/2019 | Purchased | 1.54 | 1.541 | 50,000,000 | 49,970,056 | 29,944 | - | - | - | - | 49,970,056 |
| FUND 9900 | FFCB DISC | 527078 | BONY | 58 | DAIWA | 11/20/2019 | 12/4/2019 | 11/20/2019 | Purchased | 1.54 | 1.541 | 20,000,000 | 19,988,022 | 11,978 | - | - | - | - | 19,988,022 |
| FUND 9900 | REPO INT | 527080 | BONY | 58 | DAIWA | 11/20/2019 | 11/21/2019 | 11/20/2019 | Purchased | 1.5 | 1.5 | 4,763,000 | 4,763,000 | - | - | - | - | - | 4,763,000 |
| FUND 9900 | COMM PAPER | 527006 | BONY | 58 | CANT | 11/14/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.55 | 1.55 | 20,000,000 | 19,993,972 | - | - | 6,028 | - | - | 20,000,000 |
| FUND 9900 | COMM PAPER | 527036 | BONY | 58 | CANT | 11/15/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.55 | 1.55 | 15,000,000 | 14,996,125 | - | - | 3,875 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 527045 | BONY | 58 | CANT | 11/18/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,993,667 | - | - | 6,333 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 527046 | BONY | 58 | CANT | 11/18/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,993,667 | - | - | 6,333 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 527055 | BONY | 58 | CANT | 11/19/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.52 | 1.52 | 50,000,000 | 49,995,778 | - | - | 4,222 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 527056 | BONY | 58 | CANT | 11/19/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.52 | 1.52 | 30,000,000 | 29,997,467 | - | - | 2,533 | - | - | 30,000,000 |
| FUND 9900 | REPO INT | 527080 | BONY | 58 | DAIWA | 11/20/2019 | 11/21/2019 | 11/21/2019 | Matured | 1.5 | 1.5 | 4,763,000 | 4,763,000 | - | - | 198 | - | - | 4,763,198 |
| FUND 9900 | COMM PAPER | 527094 | BONY | 58 | CANT | 11/21/2019 | 12/18/2019 | 11/21/2019 | Purchased | 1.61 | 1.612 | 50,000,000 | 49,939,625 | 60,375 | - | - | - | - | 49,939,625 |
| FUND 9900 | COMM PAPER | 527095 | BONY | 58 | CANT | 11/21/2019 | 12/18/2019 | 11/21/2019 | Purchased | 1.61 | 1.612 | 40,000,000 | 39,951,700 | 48,300 | - | - | - | - | 39,951,700 |
| FUND 9900 | REPO INT | 527100 | BONY | 58 | DAIWA | 11/21/2019 | 11/22/2019 | 11/21/2019 | Purchased | 1.5 | 1.5 | 23,383,000 | 23,383,000 | - | - | - | - | - | 23,383,000 |
| FUND 9900 | REPO INT | 527100 | BONY | 58 | DAIWA | 11/21/2019 | 11/22/2019 | 11/22/2019 | Matured | 1.5 | 1.5 | 23,383,000 | 23,383,000 | - | - | 974 | - | - | 23,383,974 |
| FUND 9900 | COMM PAPER | 527108 | BONY | 58 | CANT | 11/22/2019 | 12/18/2019 | 11/22/2019 | Purchased | 1.6 | 1.602 | 15,000,000 | 14,982,667 | 17,333 | - | - | - | - | 14,982,667 |
| FUND 9900 | REPO INT | 527110 | BONY | 58 | DAIWA | 11/22/2019 | 11/25/2019 | 11/22/2019 | Purchased | 1.5 | 1.5 | 15,582,000 | 15,582,000 | - | - | - | - | - | 15,582,000 |
| FUND 9900 | REPO INT | 527110 | BONY | 58 | DAIWA | 11/22/2019 | 11/25/2019 | 11/25/2019 | Matured | 1.5 | 1.5 | 15,582,000 | 15,582,000 | - | - | 1,948 | - | - | 15,583,948 |
| FUND 9900 | REPO INT | 527125 | BONY | 58 | DAIWA | 11/25/2019 | 11/26/2019 | 11/25/2019 | Purchased | 1.5 | 1.5 | 23,019,000 | 23,019,000 | - | - | - | - | - | 23,019,000 |
| FUND 9900 | REPO INT | 527125 | BONY | 58 | DAIWA | 11/25/2019 | 11/26/2019 | 11/26/2019 | Matured | 1.5 | 1.5 | 23,019,000 | 23,019,000 | - | - | 959 | - | - | 23,019,959 |
| FUND 9900 | REPO INT | 527141 | BONY | 58 | DAIWA | 11/26/2019 | 11/27/2019 | 11/26/2019 | Purchased | 1.5 | 1.5 | 23,256,000 | 23,256,000 | - | - | - | - | - | 23,256,000 |
| FUND 9900 | REPO INT | 527141 | BONY | 58 | DAIWA | 11/26/2019 | 11/27/2019 | 11/27/2019 | Matured | 1.5 | 1.5 | 23,256,000 | 23,256,000 | - | - | 969 | - | - | 23,256,969 |
| FUND 9900 | COMM PAPER | 527153 | BONY | 58 | CANT | 11/27/2019 | 12/18/2019 | 11/27/2019 | Purchased | 1.57 | 1.571 | 15,000,000 | 14,986,263 | 13,738 | - | - | - | - | 14,986,263 |
| FUND 9900 | REPO INT | 527154 | BONY | 58 | DAIWA | 11/27/2019 | 11/29/2019 | 11/27/2019 | Purchased | 1.5 | 1.5 | 21,183,000 | 21,183,000 | - | - | - | - | - | 21,183,000 |
| FUND 9900 | REPO INT | 527154 | BONY | 58 | DAIWA | 11/27/2019 | 11/29/2019 | 11/29/2019 | Matured | 1.5 | 1.5 | 21,183,000 | 21,183,000 | - | - | 1,765 | - | - | 21,184,765 |
| FUND 9900 | REPO INT | 527163 | BONY | 58 | DAIWA | 11/29/2019 | 12/2/2019 | 11/29/2019 | Purchased | 1.55 | 1.55 | 18,278,000 | 18,278,000 | - | - | - | - | - | 18,278,000 |
| FUND 9900 | REPO INT | 527163 | BONY | 58 | DAIWA | 11/29/2019 | 12/2/2019 | 12/2/2019 | Matured | 1.55 | 1.55 | 18,278,000 | 18,278,000 | - | - | 2,361 | - | - | 18,280,361 |
| FUND 9900 | COMM PAPER | 527171 | BONY | 58 | WELLB | 12/2/2019 | 12/9/2019 | 12/2/2019 | Purchased | 1.56 | 1.56 | 18,000,000 | 17,994,540 | 5,460 | - | - | - | - | 17,994,540 |
| FUND 9900 | REPO INT | 527174 | BONY | 58 | DAIWA | 12/2/2019 | 12/3/2019 | 12/2/2019 | Purchased | 1.5 | 1.5 | 16,267,000 | 16,267,000 | - | - | - | - | - | 16,267,000 |
| FUND 9900 | REPO INT | 527174 | BONY | 58 | DAIWA | 12/2/2019 | 12/3/2019 | 12/3/2019 | Matured | 1.5 | 1.5 | 16,267,000 | 16,267,000 | - | - | 678 | - | - | 16,267,678 |
| FUND 9900 | REPO INT | 527213 | BONY | 58 | DAIWA | 12/3/2019 | 12/4/2019 | 12/3/2019 | Purchased | 1.5 | 1.5 | 29,857,000 | 29,857,000 | - | - | - | - | - | 29,857,000 |
| FUND 9900 | FFCB DISC | 527077 | BONY | 58 | DAIWA | 11/20/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.54 | 1.541 | 50,000,000 | 49,970,056 | - | - | 29,944 | - | - | 50,000,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|-----------|------------|---------|-----------|-------------|--------|------------|------------|------------|------------|-------|-------|------------|-------------|--------------|---------------------|------------|--------------|---------------|------------|
| FUND 9900 | FFCB DISC | 527078 | BONY | 58 | DAIWA | 11/20/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.54 | 1.541 | 20,000,000 | 19,988,022 | - | - | 11,978 | - | - | 20,000,000 |
| FUND 9900 | REPO INT | 527213 | BONY | 58 | DAIWA | 12/3/2019 | 12/4/2019 | 12/4/2019 | Matured | 1.5 | 1.5 | 29,857,000 | 29,857,000 | - | - | 1,244 | - | - | 29,858,244 |
| FUND 9900 | COMM PAPER | 527223 | BONY | 58 | MERIL | 12/4/2019 | 12/18/2019 | 12/4/2019 | Purchased | 1.6 | 1.601 | 50,000,000 | 49,968,889 | 31,111 | - | - | - | - | 49,968,889 |
| FUND 9900 | COMM PAPER | 527224 | BONY | 58 | MERIL | 12/4/2019 | 12/18/2019 | 12/4/2019 | Purchased | 1.6 | 1.601 | 35,000,000 | 34,978,222 | 21,778 | - | - | - | - | 34,978,222 |
| FUND 9900 | REPO INT | 527249 | BONY | 58 | DAIWA | 12/4/2019 | 12/5/2019 | 12/4/2019 | Purchased | 1.5 | 1.5 | 16,522,000 | 16,522,000 | - | - | - | - | - | 16,522,000 |
| FUND 9900 | REPO INT | 527249 | BONY | 58 | DAIWA | 12/4/2019 | 12/5/2019 | 12/5/2019 | Matured | 1.5 | 1.5 | 16,522,000 | 16,522,000 | - | - | 688 | - | - | 16,522,688 |
| FUND 9900 | REPO INT | 527269 | BONY | 58 | DAIWA | 12/5/2019 | 12/6/2019 | 12/5/2019 | Purchased | 1.5 | 1.5 | 12,788,000 | 12,788,000 | - | - | - | - | - | 12,788,000 |
| FUND 9900 | REPO INT | 527269 | BONY | 58 | DAIWA | 12/5/2019 | 12/6/2019 | 12/6/2019 | Matured | 1.5 | 1.5 | 12,788,000 | 12,788,000 | - | - | 533 | - | - | 12,788,533 |
| FUND 9900 | REPO INT | 527291 | BONY | 58 | DAIWA | 12/6/2019 | 12/9/2019 | 12/6/2019 | Purchased | 1.5 | 1.5 | 15,654,000 | 15,654,000 | - | - | - | - | - | 15,654,000 |
| FUND 9900 | COMM PAPER | 527171 | BONY | 58 | WELLB | 12/2/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.56 | 1.56 | 18,000,000 | 17,994,540 | - | - | 5,460 | - | - | 18,000,000 |
| FUND 9900 | REPO INT | 527291 | BONY | 58 | DAIWA | 12/6/2019 | 12/9/2019 | 12/9/2019 | Matured | 1.5 | 1.5 | 15,654,000 | 15,654,000 | - | - | 1,957 | - | - | 15,655,957 |
| FUND 9900 | COMM PAPER | 527304 | BONY | 58 | RBC | 12/9/2019 | 12/16/2019 | 12/9/2019 | Purchased | 1.54 | 1.54 | 25,000,000 | 24,992,514 | 7,486 | - | - | - | - | 24,992,514 |
| FUND 9900 | REPO INT | 527305 | BONY | 58 | DAIWA | 12/9/2019 | 12/10/2019 | 12/9/2019 | Purchased | 1.5 | 1.5 | 15,787,000 | 15,787,000 | - | - | - | - | - | 15,787,000 |
| FUND 9900 | REPO INT | 527305 | BONY | 58 | DAIWA | 12/9/2019 | 12/10/2019 | 12/10/2019 | Matured | 1.5 | 1.5 | 15,787,000 | 15,787,000 | - | - | 658 | - | - | 15,787,658 |
| FUND 9900 | REPO INT | 527353 | BONY | 58 | DAIWA | 12/10/2019 | 12/11/2019 | 12/10/2019 | Purchased | 1.5 | 1.5 | 21,210,000 | 21,210,000 | - | - | - | - | - | 21,210,000 |
| FUND 9900 | REPO INT | 527353 | BONY | 58 | DAIWA | 12/10/2019 | 12/11/2019 | 12/11/2019 | Matured | 1.5 | 1.5 | 21,210,000 | 21,210,000 | - | - | 884 | - | - | 21,210,884 |
| FUND 9900 | REPO INT | 527368 | BONY | 58 | DAIWA | 12/11/2019 | 12/12/2019 | 12/11/2019 | Purchased | 1.5 | 1.5 | 28,068,000 | 28,068,000 | - | - | - | - | - | 28,068,000 |
| FUND 9900 | REPO INT | 527368 | BONY | 58 | DAIWA | 12/11/2019 | 12/12/2019 | 12/12/2019 | Matured | 1.5 | 1.5 | 28,068,000 | 28,068,000 | - | - | 1,170 | - | - | 28,069,170 |
| FUND 9900 | COMM PAPER | 527383 | BONY | 58 | CANT | 12/12/2019 | 12/17/2019 | 12/12/2019 | Purchased | 1.53 | 1.53 | 15,000,000 | 14,996,813 | 3,188 | - | - | - | - | 14,996,813 |
| FUND 9900 | REPO INT | 527391 | BONY | 58 | DAIWA | 12/12/2019 | 12/13/2019 | 12/12/2019 | Purchased | 1.5 | 1.5 | 14,230,000 | 14,230,000 | - | - | - | - | - | 14,230,000 |
| FUND 9900 | REPO INT | 527391 | BONY | 58 | DAIWA | 12/12/2019 | 12/13/2019 | 12/13/2019 | Matured | 1.5 | 1.5 | 14,230,000 | 14,230,000 | - | - | 593 | - | - | 14,230,593 |
| FUND 9900 | T-BILL | 527404 | BONY | 58 | BOFAB | 12/13/2019 | 12/17/2019 | 12/13/2019 | Purchased | 1.495 | 1.495 | 14,000,000 | 13,997,674 | 2,326 | - | - | - | - | 13,997,674 |
| FUND 9900 | REPO INT | 527407 | BONY | 58 | DAIWA | 12/13/2019 | 12/16/2019 | 12/13/2019 | Purchased | 1.5 | 1.5 | 8,223,000 | 8,223,000 | - | - | - | - | - | 8,223,000 |
| FUND 9900 | COMM PAPER | 527304 | BONY | 58 | RBC | 12/9/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.54 | 1.54 | 25,000,000 | 24,992,514 | - | - | 7,486 | - | - | 25,000,000 |
| FUND 9900 | REPO INT | 527407 | BONY | 58 | DAIWA | 12/13/2019 | 12/16/2019 | 12/16/2019 | Matured | 1.5 | 1.5 | 8,223,000 | 8,223,000 | - | - | 1,028 | - | - | 8,224,028 |
| FUND 9900 | COMM PAPER | 527417 | BONY | 58 | CANT | 12/16/2019 | 1/8/2020 | 12/16/2019 | Purchased | 1.56 | 1.562 | 25,000,000 | 24,975,083 | 24,917 | - | - | - | - | 24,975,083 |
| FUND 9900 | REPO INT | 527420 | BONY | 58 | DAIWA | 12/16/2019 | 12/17/2019 | 12/16/2019 | Purchased | 1.55 | 1.55 | 15,533,000 | 15,533,000 | - | - | - | - | - | 15,533,000 |
| FUND 9900 | COMM PAPER | 527383 | BONY | 58 | CANT | 12/12/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.53 | 1.53 | 15,000,000 | 14,996,813 | - | - | 3,188 | - | - | 15,000,000 |
| FUND 9900 | T-BILL | 527404 | BONY | 58 | BOFAB | 12/13/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.495 | 1.495 | 14,000,000 | 13,997,674 | - | - | 2,326 | - | - | 14,000,000 |
| FUND 9900 | REPO INT | 527420 | BONY | 58 | DAIWA | 12/16/2019 | 12/17/2019 | 12/17/2019 | Matured | 1.55 | 1.55 | 15,533,000 | 15,533,000 | - | - | 669 | - | - | 15,533,669 |
| FUND 9900 | COMM PAPER | 527460 | BONY | 58 | RBC | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.53 | 1.53 | 30,000,000 | 29,998,725 | 1,275 | - | - | - | - | 29,998,725 |
| FUND 9900 | REPO INT | 527461 | BONY | 58 | DAIWA | 12/17/2019 | 12/18/2019 | 12/17/2019 | Purchased | 1.5 | 1.5 | 23,777,000 | 23,777,000 | - | - | - | - | - | 23,777,000 |
| FUND 9900 | COMM PAPER | 527094 | BONY | 58 | CANT | 11/21/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.61 | 1.612 | 50,000,000 | 49,939,625 | - | - | 60,375 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 527095 | BONY | 58 | CANT | 11/21/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.61 | 1.612 | 40,000,000 | 39,951,700 | - | - | 48,300 | - | - | 40,000,000 |
| FUND 9900 | COMM PAPER | 527108 | BONY | 58 | CANT | 11/22/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.6 | 1.602 | 15,000,000 | 14,982,667 | - | - | 17,333 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 527153 | BONY | 58 | CANT | 11/27/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.57 | 1.571 | 15,000,000 | 14,986,263 | - | - | 13,738 | - | - | 15,000,000 |
| FUND 9900 | COMM PAPER | 527223 | BONY | 58 | MERIL | 12/4/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.6 | 1.601 | 50,000,000 | 49,968,889 | - | - | 31,111 | - | - | 50,000,000 |
| FUND 9900 | COMM PAPER | 527224 | BONY | 58 | MERIL | 12/4/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.6 | 1.601 | 35,000,000 | 34,978,222 | - | - | 21,778 | - | - | 35,000,000 |
| FUND 9900 | COMM PAPER | 527460 | BONY | 58 | RBC | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.53 | 1.53 | 30,000,000 | 29,998,725 | - | - | 1,275 | - | - | 30,000,000 |
| FUND 9900 | REPO INT | 527461 | BONY | 58 | DAIWA | 12/17/2019 | 12/18/2019 | 12/18/2019 | Matured | 1.5 | 1.5 | 23,777,000 | 23,777,000 | - | - | 991 | - | - | 23,777,991 |
| FUND 9900 | T-BILL | 527480 | BONY | 58 | BOFAB | 12/18/2019 | 1/16/2020 | 12/18/2019 | Purchased | 1.49 | 1.492 | 50,000,000 | 49,939,986 | 60,014 | - | - | - | - | 49,939,986 |
| FUND 9900 | REPO INT | 527483 | BONY | 58 | DAIWA | 12/18/2019 | 12/19/2019 | 12/18/2019 | Purchased | 1.5 | 1.5 | 38,332,000 | 38,332,000 | - | - | - | - | - | 38,332,000 |
| FUND 9900 | REPO INT | 527483 | BONY | 58 | DAIWA | 12/18/2019 | 12/19/2019 | 12/19/2019 | Matured | 1.5 | 1.5 | 38,332,000 | 38,332,000 | - | - | 1,597 | - | - | 38,333,597 |
| FUND 9900 | T-BILL | 527511 | BONY | 58 | MERIL | 12/19/2019 | 1/16/2020 | 12/19/2019 | Purchased | 1.5 | 1.502 | 20,000,000 | 19,976,667 | 23,333 | - | - | - | - | 19,976,667 |
| FUND 9900 | REPO INT | 527512 | BONY | 58 | DAIWA | 12/19/2019 | 12/20/2019 | 12/19/2019 | Purchased | 1.5 | 1.5 | 24,623,000 | 24,623,000 | - | - | - | - | - | 24,623,000 |
| FUND 9900 | REPO INT | 527512 | BONY | 58 | DAIWA | 12/19/2019 | 12/20/2019 | 12/20/2019 | Matured | 1.5 | 1.5 | 24,623,000 | 24,623,000 | - | - | 1,026 | - | - | 24,624,026 |
| FUND 9900 | REPO INT | 527551 | BONY | 58 | DAIWA | 12/20/2019 | 12/23/2019 | 12/20/2019 | Purchased | 1.5 | 1.5 | 27,632,000 | 27,632,000 | - | - | - | - | - | 27,632,000 |
| FUND 9900 | REPO INT | 527551 | BONY | 58 | DAIWA | 12/20/2019 | 12/23/2019 | 12/23/2019 | Matured | 1.5 | 1.5 | 27,632,000 | 27,632,000 | - | - | 3,454 | - | - | 27,635,454 |
| FUND 9900 | REPO INT | 527575 | BONY | 58 | DAIWA | 12/23/2019 | 12/24/2019 | 12/23/2019 | Purchased | 1.5 | 1.5 | 25,240,000 | 25,240,000 | - | - | - | - | - | 25,240,000 |
| FUND 9900 | REPO INT | 527575 | BONY | 58 | DAIWA | 12/23/2019 | 12/24/2019 | 12/24/2019 | Matured | 1.5 | 1.5 | 25,240,000 | 25,240,000 | - | - | 1,052 | - | - | 25,241,052 |
| FUND 9900 | REPO INT | 527582 | BONY | 58 | DAIWA | 12/24/2019 | 12/26/2019 | 12/24/2019 | Purchased | 1.45 | 1.45 | 32,583,000 | 32,583,000 | - | - | - | - | - | 32,583,000 |
| FUND 9900 | REPO INT | 527582 | BONY | 58 | DAIWA | 12/24/2019 | 12/26/2019 | 12/26/2019 | Matured | 1.45 | 1.45 | 32,583,000 | 32,583,000 | - | - | 2,625 | - | - | 32,585,625 |
| FUND 9900 | T-BILL | 527592 | BONY | 58 | CANT | 12/26/2019 | 1/16/2020 | 12/26/2019 | Purchased | 1.45 | 1.451 | 20,000,000 | 19,983,083 | 16,917 | - | - | - | - | 19,983,083 |
| FUND 9900 | REPO INT | 527601 | BONY | 58 | DAIWA | 12/26/2019 | 12/27/2019 | 12/26/2019 | Purchased | 1.5 | 1.5 | 18,822,000 | 18,822,000 | - | - | - | - | - | 18,822,000 |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|-----------------------|-----------------------|------------------|---------------------|------------------|--------------|---------------|-----------------------|
| FUND 9900 | REPO INT | 527601 | BONY | 58 | DAIWA | 12/26/2019 | 12/27/2019 | 12/27/2019 | Matured | 1.5 | 1.5 | 18,822,000 | 18,822,000 | - | - | 784 | - | - | 18,822,784 |
| FUND 9900 | REPO INT | 527608 | BONY | 58 | DAIWA | 12/27/2019 | 12/30/2019 | 12/27/2019 | Purchased | 1.5 | 1.5 | 22,498,000 | 22,498,000 | - | - | - | - | - | 22,498,000 |
| FUND 9900 | REPO INT | 527608 | BONY | 58 | DAIWA | 12/27/2019 | 12/30/2019 | 12/30/2019 | Matured | 1.5 | 1.5 | 22,498,000 | 22,498,000 | - | - | 2,812 | - | - | 22,500,812 |
| FUND 9900 | T-BILL | 527617 | BONY | 58 | DAIWA | 12/30/2019 | 2/18/2020 | 12/30/2019 | Purchased | 1.485 | 1.488 | 15,000,000 | 14,969,063 | 30,938 | - | - | - | - | 14,969,063 |
| FUND 9900 | REPO INT | 527626 | BONY | 58 | DAIWA | 12/30/2019 | 12/31/2019 | 12/30/2019 | Purchased | 1.5 | 1.5 | 10,563,000 | 10,563,000 | - | - | - | - | - | 10,563,000 |
| FUND 9900 | REPO INT | 527626 | BONY | 58 | DAIWA | 12/30/2019 | 12/31/2019 | 12/31/2019 | Matured | 1.5 | 1.5 | 10,563,000 | 10,563,000 | - | - | 440 | - | - | 10,563,440 |
| FUND 9900 | REPO INT | 527630 | BONY | 58 | DAIWA | 12/31/2019 | 1/2/2020 | 12/31/2019 | Purchased | 1.5 | 1.5 | 25,383,000 | 25,383,000 | - | - | - | - | - | 25,383,000 |
| FUND 9900 Total | | | | | | | | | | | | 19,243,449,000 | 19,235,576,277 | 4,072,016 | - | 4,308,702 | - | 108 | 19,239,885,087 |
| FUND 9999 | FNMA NOTES | 522870 | BONY | 31 | DAIWA | 11/1/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.215 | 2.223 | 7,192,000 | 7,164,565 | - | - | 27,435 | - | - | 7,192,000 |
| FUND 9999 | T-BILL | 523169 | BONY | 31 | DAIWA | 12/3/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.23 | 2.234 | 9,015,000 | 8,998,247 | - | - | 16,753 | - | - | 9,015,000 |
| FUND 9999 | T-BILL | 523287 | BONY | 31 | RBC | 11/20/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.248 | 2.254 | 5,606,000 | 5,590,951 | - | - | 15,049 | - | - | 5,606,000 |
| FUND 9999 | T-BILL | 523418 | BONY | 31 | DAIWA | 12/21/2018 | 1/2/2019 | 1/2/2019 | Matured | 2.295 | 2.297 | 10,334,000 | 10,326,094 | - | - | 7,906 | - | - | 10,334,000 |
| FUND 9999 | FHLB NOTES | 523502 | BONY | 31 | DAIWA | 1/2/2019 | 2/1/2019 | 1/2/2019 | Purchased | 2.405 | 2.41 | 13,027,000 | 13,000,892 | 26,108 | - | - | - | - | 13,000,892 |
| FUND 9999 | T-NOTE-MID | 523774 | BONY | 31 | DAIWA | 1/29/2019 | 5/15/2019 | 1/29/2019 | Purchased | 0.875 | 2.395 | 4,000 | 3,990 | 10 | 7 | - | - | - | 3,990 |
| FUND 9999 | T-BILL | 523783 | BONY | 31 | BOFAB | 1/30/2019 | 2/5/2019 | 1/30/2019 | Purchased | 2.31 | 2.311 | 8,704,000 | 8,700,649 | 3,351 | - | - | - | - | 8,700,649 |
| FUND 9999 | FHLB NOTES | 523502 | BONY | 31 | DAIWA | 1/2/2019 | 2/1/2019 | 2/1/2019 | Matured | 2.405 | 2.41 | 13,027,000 | 13,000,892 | - | - | 26,108 | - | - | 13,027,000 |
| FUND 9999 | T-BILL | 523812 | BONY | 31 | BOFAB | 2/1/2019 | 3/5/2019 | 2/1/2019 | Purchased | 2.345 | 2.35 | 13,055,000 | 13,027,788 | 27,212 | - | - | - | - | 13,027,788 |
| FUND 9999 | T-BILL | 523783 | BONY | 31 | BOFAB | 1/30/2019 | 2/5/2019 | 2/5/2019 | Matured | 2.31 | 2.311 | 8,704,000 | 8,700,649 | - | - | 3,351 | - | - | 8,704,000 |
| FUND 9999 | FHLB NOTES | 523844 | BONY | 31 | RBC | 2/5/2019 | 4/1/2019 | 2/5/2019 | Purchased | 2.385 | 2.394 | 8,735,000 | 8,703,172 | 31,828 | - | - | - | - | 8,703,172 |
| FUND 9999 | T-NOTE-MID | 524142 | BONY | 31 | RBC | 2/28/2019 | 5/15/2019 | 2/28/2019 | Purchased | 0.875 | 2.354 | 8,253,000 | 8,248,478 | 4,522 | 20,946 | - | - | - | 8,248,478 |
| FUND 9999 | T-BILL | 523812 | BONY | 31 | BOFAB | 2/1/2019 | 3/5/2019 | 3/5/2019 | Matured | 2.345 | 2.35 | 13,055,000 | 13,027,788 | - | - | 27,212 | - | - | 13,055,000 |
| FUND 9999 | FNMA NOTES | 524187 | BONY | 31 | RBC | 3/5/2019 | 5/1/2019 | 3/5/2019 | Purchased | 2.375 | 2.384 | 13,104,000 | 13,054,724 | 49,277 | - | - | - | - | 13,054,724 |
| FUND 9999 | T-NOTE-MID | 524412 | BONY | 31 | DAIWA | 3/22/2019 | 5/15/2019 | 3/22/2019 | Purchased | 0.875 | 2.349 | 8,532,000 | 8,539,527 | 7,527 | 26,191 | - | - | - | 8,539,527 |
| FUND 9999 | FHLB NOTES | 523844 | BONY | 31 | RBC | 2/5/2019 | 4/1/2019 | 4/1/2019 | Matured | 2.385 | 2.394 | 8,735,000 | 8,703,172 | - | - | 31,828 | - | - | 8,735,000 |
| FUND 9999 | FNMA NOTES | 524476 | BONY | 31 | DAIWA | 4/1/2019 | 5/15/2019 | 4/1/2019 | Purchased | 2.37 | 2.377 | 8,760,000 | 8,734,625 | 25,375 | - | - | - | - | 8,734,625 |
| FUND 9999 | T-NOTE-MID | 524700 | BONY | 31 | DAIWA | 4/23/2019 | 5/15/2019 | 4/23/2019 | Purchased | 0.875 | 2.099 | 12,779,000 | 12,818,628 | 39,628 | 49,113 | - | - | - | 12,818,628 |
| FUND 9999 | FNMA NOTES | 524187 | BONY | 31 | RBC | 3/5/2019 | 5/1/2019 | 5/1/2019 | Matured | 2.375 | 2.384 | 13,104,000 | 13,054,724 | - | - | 49,277 | - | - | 13,104,000 |
| FUND 9999 | T-NOTE-MID | 524791 | BONY | 31 | DAIWA | 5/1/2019 | 5/15/2019 | 5/1/2019 | Purchased | 3.125 | 1.893 | 12,912,000 | 13,104,198 | 192,198 | 186,145 | - | - | - | 13,104,198 |
| FUND 9999 | T-NOTE-MID | 523774 | BONY | 31 | - | 1/29/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.395 | - | 18 | - | - | - | 18 | - | - |
| FUND 9999 | T-NOTE-MID | 524142 | BONY | 31 | - | 2/28/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.354 | - | 25,468 | - | - | - | 25,468 | - | - |
| FUND 9999 | T-NOTE-MID | 524412 | BONY | 31 | - | 3/22/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.349 | - | 18,664 | - | - | - | 18,664 | - | - |
| FUND 9999 | T-NOTE-MID | 524700 | BONY | 31 | - | 4/23/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 0.875 | 2.099 | - | 9,484 | - | - | - | 9,484 | - | - |
| FUND 9999 | T-NOTE-MID | 524791 | BONY | 31 | - | 5/1/2019 | 5/15/2019 | 5/15/2019 | Amort/(Accr) | 3.125 | 1.893 | - | 6,052 | - | - | - | 6,052 | - | - |
| FUND 9999 | T-NOTE-MID | 523774 | BONY | 31 | DAIWA | 1/29/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.395 | 4,000 | 4,007 | - | 7 | 10 | - | - | 4,018 |
| FUND 9999 | T-NOTE-MID | 524142 | BONY | 31 | RBC | 2/28/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.354 | 8,253,000 | 8,273,946 | - | 20,946 | 15,161 | - | - | 8,289,107 |
| FUND 9999 | T-NOTE-MID | 524412 | BONY | 31 | DAIWA | 3/22/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.349 | 8,532,000 | 8,558,191 | - | 26,191 | 11,136 | - | - | 8,569,328 |
| FUND 9999 | FNMA NOTES | 524476 | BONY | 31 | DAIWA | 4/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 2.37 | 2.377 | 8,760,000 | 8,734,625 | - | - | 25,375 | - | - | 8,760,000 |
| FUND 9999 | T-NOTE-MID | 524700 | BONY | 31 | DAIWA | 4/23/2019 | 5/15/2019 | 5/15/2019 | Matured | 0.875 | 2.099 | 12,779,000 | 12,828,113 | - | 49,113 | 6,795 | - | - | 12,834,908 |
| FUND 9999 | T-NOTE-MID | 524791 | BONY | 31 | DAIWA | 5/1/2019 | 5/15/2019 | 5/15/2019 | Matured | 3.125 | 1.893 | 12,912,000 | 13,098,145 | - | 186,145 | 15,605 | - | - | 13,113,750 |
| FUND 9999 | T-NOTE-MID | 524945 | BONY | 31 | BOFAB | 5/15/2019 | 11/15/2019 | 5/15/2019 | Purchased | 3.375 | 2.434 | 33,219,000 | 33,373,416 | 154,416 | - | - | - | - | 33,373,416 |
| FUND 9999 | T-NOTE-MID | 525107 | BONY | 31 | BOFAB | 5/28/2019 | 11/15/2019 | 5/28/2019 | Purchased | 3.375 | 2.404 | 4,089,000 | 4,112,084 | 23,084 | 4,875 | - | - | - | 4,112,084 |
| FUND 9999 | T-BILL | 525441 | BONY | 31 | DAIWA | 6/25/2019 | 8/1/2019 | 6/25/2019 | Purchased | 2 | 2.004 | 8,584,000 | 8,566,355 | 17,645 | - | - | - | - | 8,566,355 |
| FUND 9999 | T-NOTE-MID | 525732 | BONY | 31 | MERIL | 7/24/2019 | 11/15/2019 | 7/24/2019 | Purchased | 1 | 2.041 | 8,578,000 | 8,566,840 | 11,160 | 16,317 | - | - | - | 8,566,840 |
| FUND 9999 | T-BILL | 525441 | BONY | 31 | DAIWA | 6/25/2019 | 8/1/2019 | 8/1/2019 | Matured | 2 | 2.004 | 8,584,000 | 8,566,355 | - | - | 17,645 | - | - | 8,584,000 |
| FUND 9999 | T-NOTE-MID | 525823 | BONY | 31 | DAIWA | 8/1/2019 | 11/15/2019 | 8/1/2019 | Purchased | 3.375 | 2.055 | 8,492,000 | 8,584,593 | 92,593 | 60,748 | - | - | - | 8,584,593 |
| FUND 9999 | T-NOTE-MID | 526053 | BONY | 31 | RBC | 8/20/2019 | 11/15/2019 | 8/20/2019 | Purchased | 1 | 1.846 | 8,543,000 | 8,548,499 | 5,499 | 22,518 | - | - | - | 8,548,499 |
| FUND 9999 | T-NOTE-MID | 526381 | BONY | 31 | DAIWA | 9/18/2019 | 11/15/2019 | 9/18/2019 | Purchased | 1 | 1.994 | 8,551,000 | 8,566,917 | 15,917 | 29,278 | - | - | - | 8,566,917 |
| FUND 9999 | T-NOTE-MID | 526746 | BONY | 31 | CANT | 10/18/2019 | 11/15/2019 | 10/18/2019 | Purchased | 3.375 | 1.584 | 12,652,000 | 12,850,064 | 198,064 | 181,013 | - | - | - | 12,850,064 |
| FUND 9999 | T-NOTE-MID | 524945 | BONY | 31 | - | 5/15/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.434 | - | 154,416 | - | - | - | 154,416 | - | - |
| FUND 9999 | T-NOTE-MID | 525107 | BONY | 31 | - | 5/28/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.404 | - | 18,209 | - | - | - | 18,209 | - | - |
| FUND 9999 | T-NOTE-MID | 525732 | BONY | 31 | - | 7/24/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 2.041 | - | 27,476 | - | - | - | 27,476 | - | - |
| FUND 9999 | T-NOTE-MID | 525823 | BONY | 31 | - | 8/1/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 2.055 | - | 31,845 | - | - | - | 31,845 | - | - |
| FUND 9999 | T-NOTE-MID | 526053 | BONY | 31 | - | 8/20/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.846 | - | 17,019 | - | - | - | 17,019 | - | - |
| FUND 9999 | T-NOTE-MID | 526381 | BONY | 31 | - | 9/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 1 | 1.994 | - | 13,361 | - | - | - | 13,361 | - | - |

Transaction Report
Detail by Fund & Transaction Date

From: 1/1/2019
To: 12/31/2019

| Fund | Instr Type | Deal ID | Bank Code | Account Key | Broker | Purch Date | Maturity | Trans Date | Trans Type | Rate | Yield | Par | Book Value* | Prem/(Disc)* | Curr Purch Interest | (Interest) | Amort/(Accr) | (Gain) / Loss | Settlement |
|------------------------|------------|---------|-----------|-------------|--------|------------|------------|------------|--------------|-------|-------|------------------------|------------------------|--------------------|---------------------|--------------------|-------------------|----------------|------------------------|
| FUND 9999 | T-NOTE-MID | 526746 | BONY | 31 - | | 10/18/2019 | 11/15/2019 | 11/15/2019 | Amort/(Accr) | 3.375 | 1.584 | - | 17,051 | - | - | - | 17,051 | - | - |
| FUND 9999 | T-NOTE-MID | 524945 | BONY | 31 | BOFAB | 5/15/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.434 | 33,219,000 | 33,219,000 | - | - | 560,571 | - | - | 33,779,571 |
| FUND 9999 | T-NOTE-MID | 525107 | BONY | 31 | BOFAB | 5/28/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.404 | 4,089,000 | 4,093,875 | - | 4,875 | 64,127 | - | - | 4,158,002 |
| FUND 9999 | T-NOTE-MID | 525732 | BONY | 31 | MERIL | 7/24/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 2.041 | 8,578,000 | 8,594,317 | - | 16,317 | 26,573 | - | - | 8,620,890 |
| FUND 9999 | T-NOTE-MID | 525823 | BONY | 31 | DAIWA | 8/1/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 2.055 | 8,492,000 | 8,552,748 | - | 60,748 | 82,555 | - | - | 8,635,303 |
| FUND 9999 | T-NOTE-MID | 526053 | BONY | 31 | RBC | 8/20/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.846 | 8,543,000 | 8,565,518 | - | 22,518 | 20,197 | - | - | 8,585,715 |
| FUND 9999 | T-NOTE-MID | 526381 | BONY | 31 | DAIWA | 9/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 1 | 1.994 | 8,551,000 | 8,580,278 | - | 29,278 | 13,477 | - | - | 8,593,755 |
| FUND 9999 | T-NOTE-MID | 526746 | BONY | 31 | CANT | 10/18/2019 | 11/15/2019 | 11/15/2019 | Matured | 3.375 | 1.584 | 12,652,000 | 12,833,013 | - | 181,013 | 32,490 | - | - | 12,865,503 |
| FUND 9999 | T-NOTE-MID | 527030 | BONY | 31 | DAIWA | 11/15/2019 | 5/15/2020 | 11/15/2019 | Purchased | 1.5 | 1.555 | 636,000 | 635,826 | 174 | - | - | - | - | 635,826 |
| FUND 9999 | T-BILL | 527083 | BONY | 31 | DAIWA | 11/21/2019 | 1/2/2020 | 11/21/2019 | Purchased | 1.52 | 1.523 | 3,630,000 | 3,623,563 | 6,437 | - | - | - | - | 3,623,563 |
| FUND 9999 | T-NOTE-MID | 527487 | BONY | 31 | CANT | 12/18/2019 | 5/15/2020 | 12/18/2019 | Purchased | 1.5 | 1.566 | 8,510,000 | 8,519,246 | 9,246 | 11,573 | - | - | - | 8,519,246 |
| FUND 9999 Total | | | | | | | | | | | | 446,069,000 | 447,292,348 | 941,271 | 1,205,875 | 1,096,636 | 339,064 | - | 448,049,920 |
| Grand Total | | | | | | | | | | | | 266,785,433,894 | 266,694,863,277 | 133,430,253 | 59,452,726 | 106,752,825 | 15,790,468 | 311,997 | 266,786,495,145 |

MTA ALL AGENCY
INVESTMENT GUIDELINES
Operating and Capital Program Funds

WHEREAS the Treasury Department of the Metropolitan Transportation Authority manages the investment of the operating and capital program funds of the Metropolitan Transportation Authority (MTA), The Long Island Rail Road Company (LIRR), the Metro North Commuter Railroad Company (MN), the Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), the Metropolitan Suburban Bus Authority (MSBA), the New York City Transit Authority (NYCTA), the Staten Island Rapid Transit Authority (SIRTOA), the MTA Bus Company, and the Triborough Bridge and Tunnel Authority (TBTA) (collectively the related entities), and

WHEREAS the investment of funds are regulated by the New York State Public Authorities Law, the State Comptroller's Investment Guidelines for Public Authorities, and in accordance with the Bond Resolutions of the MTA and TBTA ,

BE IT RESOLVED, that the following investment guidelines be adopted by the related entities.

I. GENERAL GUIDELINES

1. The MTA Treasury Department (Treasury) shall be responsible for the execution and management of all operating and capital program investment activity for each of the related entities. The Treasury Department will report to the Chief Financial Officer. The following guidelines do not apply to investments of MTA First Mutual Transportation Assurance Corporation, MTA's Defined Benefit Pension Plan, the MaBSTOA Pension Plan, the MTA Retiree Welfare Benefits Trust or to accounts established to hold employee and employer contributions under the New York State Voluntary Defined Contribution Program – these funds are subject to separately established guidelines. All investment decisions will meet the following requirements:
 - a. Safeguard the Investment Principal.
 - b. Meet expected cash flow requirements.
 - c. Maximize yield.
2. Federal Statutory Requirements, New York State Statutory Requirements, and Bond Resolutions of the related entities supercede these guidelines.
 - a. Federal Statutory requirements include compliance with any existing or future statute or administrative ruling that may affect the tax-exempt status of related entities' debt.
 - b. New York State statutory requirements include, but are not limited, to the following sections:
 - i. Public Authorities Law Sections 1265(4) (MTA), 1204(19) (Transit Authority) and 553(21) (TBTA)
 - ii. Public Authorities Law Section 2925 Investment of funds by public authorities and public benefit corporations; general provisions
 - iii. State Finance Law Article 15 – EXCELSIOR LINKED DEPOSIT ACT
3. Authorized Investment Obligations will be limited to the following:
 - a. obligations of the state or the United States government,
 - b. obligations the principal and interest of which are guaranteed by the state or the United States government,
 - c. certificates of deposit of banks or trust companies in this state, secured, if the authority shall so require, by obligations of the United States or of the state of New York of a market value equal at all times to the amount of the deposit,
 - d. banker's acceptances with a maturity of ninety days or less which are eligible for purchase by the federal reserve banks and whose rating at the time of purchase is in the highest rating category of two nationally recognized independent rating agencies, provided, however, that the amount of banker's acceptances of any one bank shall not exceed five hundred million dollars,

- e. obligations of any bank or corporation created under the laws of either the United States or any state of the United States maturing within two hundred seventy days, provided that such obligations receive the highest rating category of two nationally recognized independent rating agencies such as, A1 from Standard and Poor's, P1 from Moody's and F1+ from Fitch Ratings, provided further, that no more than five hundred million dollars may be invested in such obligations of any one bank or corporation,
- f. as to any such moneys held in reserve and sinking funds, other securities in which the trustee or trustees of any public retirement system or pension fund has the power to invest the monies thereof pursuant to article four a of the retirement and social security law, each such reserve and sinking fund being treated as a separate fund for the purposes of article four a of the retirement and social security law,
- g. notes, bonds, debentures, mortgages and other evidences of indebtedness, issued or guaranteed at the time of the investment by the United States postal service, the federal national mortgage association, the federal home loan mortgage corporation, the student loan marketing association, the federal farm credit system, or any other United States government sponsored agency, provided that at the time of the investment such agency or its obligations are rated and the agency receives, or its obligations receive, the highest rating of all independent rating agencies that rate such agency or its obligations, provided, however, that no more than five hundred million dollars or such greater amount as may be authorized for investment for the state comptroller by section ninety-three of the state finance law may be invested in the obligations of any one agency,
- h. general obligation bonds and notes of any state other than the state, provided that such bonds and notes receive the highest rating of at least one independent rating agency, and bonds and notes of any county, town, city, village, fire district or school district of the state, provided that such bonds and notes receive either of the two highest ratings of at least two independent rating agencies,
- i. mutual funds registered with the United States securities and exchange commission whose investments are limited to obligations of the state described in paragraph (a) of this subdivision, obligations the principal and interest of which are guaranteed by the state described in paragraph (b) of this subdivision, and those securities described in paragraph (h) of this subdivision and that have received the highest rating of at least one independent rating agency, provided that the aggregate amount invested at any one time in all such mutual funds shall not exceed ten million dollars, and, provided further, that the authority shall not invest such funds, accounts or other monies in any mutual fund for longer than thirty days,
- j. financial contracts in a foreign currency entered into for the purpose of minimizing the foreign currency exchange risk of the purchase price of a contract with a vendor chosen through competitive process for the acquisition of capital assets for the benefit of the capital program of the Triborough

Bridge and Tunnel Authority or either the transit or transportation capital programs, and

- k. repurchase agreements with any dealer or bank, which agreement is secured by any one or more of the securities described in clauses (a), (b) or (g) above, which securities shall (A) at all times have a market value of not less than the full amount held or invested pursuant to the agreement and (B) be delivered to a Bank as defined in clause (i) or (ii) of the definition thereof, as custodian, that is independent from the dealer or bank with whom the repurchase agreement is executed.
4. Bank shall mean any (i) bank or trust company organized under the laws of any state of the United States of America, (ii) national banking association, (iii) savings bank or savings and loan association chartered or organized under the laws of any state of the United States of America, or (iv) federal branch or agency pursuant to the International Banking Act of 1978 or any successor provision of law, or domestic branch or agency of a foreign bank which branch or agency is fully licensed or authorized to do business under the laws of any state or territory of the United States of America.
 5. Trading Authorization – The board delegates to the Chairman the power to authorize certain individuals to buy and sell securities and enter into investment agreements on behalf of the related entities. The trading authorization will take the form of attachment A to these guidelines.
 6. Investment Limitations – All dollar limitations for investment will be based on the original cost of the investment including accrued interest purchased at the time of investment.

II. CUSTODIAN

1. All Investment Obligations and collateral is to be held by a custodian who is not a party to the Investment Obligation.
2. A custodian must meet one of the following three criteria:
 - a. A bank as the term is defined in either clauses (i) or (ii) in section I.4 of these guidelines, and which the MTA Board has adopted a resolution establishing the bank as a depository of the MTA or any of its related entities.
 - b. A bank appointed as a trustee under a specific MTA board resolution.
 - c. A bank designated as a trustee by an authorized officer who has been delegated the authority by the MTA Board to appoint a custodian as part of a specific transaction.
3. Each bank acting as a custodian, except for a custodian established for a specific transaction, must have the following capabilities;
 - a. Daily electronic reporting of all investment and cash activity,
 - b. Acceptance of electronic instructions to buy, sell, deliver or receive securities,
 - c. Acceptance of electronic instructions to transfer funds, and
 - d. Electronic Access to current Investment Inventory position statements.
4. The Treasury Department will maintain at least \$100 million of its portfolio (subject to cash flow requirements) with a separate emergency custodian bank. The purpose of this deposit is in the event that the MTA's main custodian cannot execute transactions due to an emergency outside of the custodian's control, the MTA has an immediate alternate source of liquidity. Securities held in the separate emergency custodian bank are subject to the following conditions;
 - a. The securities will be included in the MTA portfolio, and
 - b. All security activity in the emergency custodian bank will be governed by these guidelines.

III. REPURCHASE AGREEMENTS

1. An executed Master Repurchase Agreement, approved as to form by the MTA General Counsel, must be executed between the dealer or bank and the MTA. The Director of Treasury is authorized to execute the agreement on behalf of the related entities.
 - a. A dealer must be listed on the "LIST OF THE GOVERNMENT SECURITIES DEALERS REPORTING TO THE MARKET REPORTS DIVISION OF THE FEDERAL RESERVE BANK OF NEW YORK", published by the Federal Reserve Bank of New York.
 - b. Agreements currently signed with firms meeting the requirements contained in the current Investment Guidelines will remain in effect.

2. The market value of the collateral must at all times be not less than the principal amount of the repurchase agreement plus the accrued interest of the repurchase agreement. MTA Treasury will use as its primary source its mark-to-market report based upon the prior day closing prices.
 - a. A mark-to- market of the collateral will be done each morning. The market value will include the accrued interest on the collateral securities.
 - b. For repurchase agreements having a term of more than 1 business day, if the market value of the collateral is less than 102%, rounded to the nearest 1%, additional collateral must be delivered to the MTA's custodian.
 - c. For the purpose of the mark- to- market calculation, the market value for all repurchase agreements with any one dealer, having a maturity of more than 1 business day, may be aggregated against the total collateral requirement for all of the repurchase agreements, having a maturity of more than 1 business day, with the one dealer.
 - d. The Treasury Department may waive the requirement for additional collateral if the amount of additional collateral is less than \$100,000.00 and the market value, as determined in the daily mark to market referred to in subsection (a) of this section, of the collateral held by the MTA's custodian is greater than the sum of the principal amount of the repurchase agreement plus the accrued interest of the repurchase agreement.
 - e. On the purchase date, which is the date on which the repurchase agreement is entered into, the Treasury Department will test a minimum of 20% of the repurchase agreements to ensure that the collateral being delivered is sufficient for the repurchase agreement.
 - f. For overnight, including weekends and holidays, repurchase agreements, the Treasury Department will be responsible for monitoring dealer performance and will take corrective action with regard to chronic problems. Such corrective action will consist of notifying in writing the dealer who has developed a pattern of not providing adequate collateral. If the problem

persists, the Treasury Department will discontinue doing business with the dealer.

- g. For repurchase agreements longer than overnight, including weekends and holidays, the Treasury Department will contact any under collateralized dealer and require additional collateral or the return of cash as required in the written repurchase agreement. Request for additional collateral should be made by 10:00AM.
- i. In the event of a dispute, a revised mark-to-market report may be used based upon current day pricing provided by a 3rd party, such as Bloomberg LLP. Documentation for such a revised report will consist of a screen pricing out of each collateral security at the current bid price plus the accrued interest on the collateral security.

Nothing in these guidelines prohibit entering into 3rd party repurchase agreements if the custodian meets the above criteria and all segregation requirements for the MTA funds are maintained.

- 3. Dealer limits for repurchase agreements are to be determined by a tier level based on a firm's capital.
 - a. The tier levels are:
 - 1st Tier \$1,000.0 million or more in capital
 - 2nd Tier \$200.0 to \$999.9 million in capital
 - 3rd Tier Less than \$200.0 million in capital
 - b. Capital will be defined as the sum of the firm's equity plus subordinated long-term debt. If the dealer is a wholly owned subsidiary of another dealer, and is included in a consolidated balance sheet of the parent broker, the parent's capital will be the basis for determining the capitalization. If the parent organization is not primarily a dealer/broker type of firm, but does have a major portion of its revenues generated by other than security type transactions, the parent's capital will not be included. This would exclude firms owned by insurance companies, and other non security investment institutions. Only audited financial statements will be used for determining the firm's capital.
 - i. Capital for a bank or dealer owned by a bank shall mean the bank's equity only.
 - ii. The capital of those holding companies which are foreign based cannot be applied for the purpose of determining capitalization except and unless the holding company has provided an unconditional guarantee in writing and any necessary supporting documents in a form acceptable to the MTA General Counsel against any losses incurred as a result of the domestic subsidiary being unable to fulfill its Contractual Obligations with the MTA.
 - iii. Only audited financial statements will be used for determining a firm's capital.

- c. The total maximum exposure for repurchase agreements to any Dealer/Banks will be limited by Tier as follows for any one day:
 - 1st Tier \$300.0 million
 - 2nd Tier \$250.0 million
 - 3rd Tier amount of firm's capital

- 4. Investment in repurchase agreements will be further governed by the following operational requirements:
 - a. The Treasury Department will maintain a record of the results of its monitoring of overnight repurchase agreement collateral for each dealer.
 - b. All repurchase agreements shall be in the form of cash versus delivery.
 - c. The MTA Treasury Department will determine the final maturity of repurchase agreements based upon cash needs of the Authority.
 - d. A minimum of three solicitations will be made prior to the awarding of any repurchase agreement. The award of the investment will be made in order of the highest yields, and in accordance with the exposure constraints established in Section III.3. A written record of the quotes received and awards made will be maintained by the Treasury Department.

IV. SECURITY PURCHASES AND SALES

1. The direct purchase of investment obligations securities covers the purchase of securities listed in sections I.3.a, b, d, e, g and h above.
2. All securities will be delivered to a designated MTA Custodian against cash payment. Delivery instructions will be sent to the MTA Custodian electronically or via telecopied letter signed by an authorized signer
3. A minimum of three (3) bids or offers will be solicited for direct purchases or sales of securities. The award will be based on lowest cost for purchases or highest price for sales. A written record of the quotes received will be maintained by the Treasury Department.
4. Nothing in this section prohibits the use of electronic trading screens, provided that the requirements of III.2 and III.3 are met.
5. The authority may participate directly in US Treasury government security auctions. This participation takes the form of placing an order through one of the dealers listed on the "LIST OF THE GOVERNMENT SECURITIES DEALERS REPORTING TO THE MARKET REPORTS DIVISION OF THE FEDERAL RESERVE BANK OF NEW YORK", published by the Federal Reserve Bank of New York. The award of securities is determined by the results of the auction process, and is based on the rates received and the amount of securities offered for sale. The pricing results of the auction are published, and such published notices will be included in the record of the trade.

V. REPORTING REQUIREMENTS

1. The Treasury Department will prepare reports as scheduled by the Finance Committee's work plan, investment reports covering the investment activity of all MTA Treasury Department funds. These reports will contain a detailed listing of all broker activity for the period. A listing of dealers with whom the MTA does repurchase agreements including limits set for each broker, will also be included.
2. An annual investment report shall be submitted to the Finance Committee consisting of the following:
 - a. Investment Guidelines and amendments to those guidelines since the last report, and an explanation of the guidelines and amendments.
 - b. Investment income for the year.
 - c. List of total fees, commissions or other charges paid to each investment banker, broker, agent, dealer, custodian bank and adviser rendering investment associated services to the MTA.

Following receipt of approval of the Board, copies of the annual report shall be submitted to:

1. State Division of the Budget
2. State Department of Audit and Control
3. State Senate Finance Committee
4. Assembly Ways and Means Committee
5. Independent Authority Budget Office

VI. PORTFOLIO MANAGERS

1. Due to the various portfolio requirements of the MTA, it may be advantageous to structure a specific portfolio and contract with outside portfolio managers for the management of these funds. The awarding of a portfolio management contract will be controlled by the MTA's procurement policy covering personal services contracts. The criteria for awarding these contracts will include, but not limited by, the following provisions:
 - a. Experience of the portfolio manager.
 - b. Concepts and ideas for the management of the funds, including the identification of an appropriate benchmark for the portfolio.
 - c. The ability to provide regular and timely reports, consistent with internal reporting requirements of the MTA All Agency Investment Guidelines.
 - d. Fees.
 - e. Capitalization and financial strength of the firm.

2. Each portfolio manager will be required to operate within the structure of these guidelines except for the reporting requirement of competition with regards to the purchase and sale of securities. This exception is made because it would be impossible to monitor compliance. In addition, an outside manager would also have to comply with the following:
 - a. All transactions will be made from an MTA controlled Custody Account on a cash vs. delivery basis.
 - b. All Bank Statements and Broker advices will be mailed to the Comptroller for the MTA.
 - c. The MTA will designate to the custodian the representatives of the portfolio manager authorized to conduct business on behalf of the MTA.

VII. MISCELLANEOUS

The following guidelines will also be adhered to with regard to the investment of MTA Operating and Capital Program Funds.

1. **AUTHORIZATION** The Chairman, or any person or persons who may from time to time be designated in writing by the Chairman, may purchase or sell securities and/or enter into repurchase agreements for the MTA and its related entities.
2. **BANK RECONCILIATIONS** All bank confirmations and statements will be addressed to the Comptroller. The Comptroller will be responsible for all investment custody account reconciliations.
3. **INDEPENDENT AUDITOR.** The MTA's independent auditor will include as part of its annual audit a statement on the compliance of the investment activity with these investment guidelines.
4. **CONFLICTS OF INTEREST.** MTA's policy regarding conflicts of interest shall be followed regarding the investment of funds. Business may not be transacted with any institution or dealer of which an MTA Board Member, senior agency official, or any other officer or employee authorized to participate in the selection of such institution or dealer is an officer, a director or a substantial stockholder.
5. **BROKER ADVICES.** All broker advices will be mailed to the Treasury Department for safekeeping. All broker advices will be made available by the Treasury Department to the Comptroller and Audit Department as requested.
6. **STOCK TRANSACTIONS.** Due to the reorganization of mutual insurance firms into stock firms, the MTA and its related entities receive stock in reorganized corporations. The Chairman, or any person or persons who may from time to time be designated in writing by Chairman, may sell this stock for the MTA and its related entities.
 - a. If the corporation has a stock buy back plan that will purchase the stock, the stock will be sold using the plan.
 - b. If the corporation does not have a stock buy bank plan, the Treasury Department will solicit commission fee bids from at least 3 members of the MTA's senior underwriting management firms. The firm with the smallest commission will be awarded the sale trade. In case of a tie, the trade may be divided among the firms with the same commission fee bid.
 - c. Proceeds from the sale of the stock will be distributed back to the related entities in proportion to the shares of securities and/or enter into repurchase agreements originally owned by each of the related entities.

Title VI and Related Nondiscrimination Laws Complaint Management

1. PURPOSE AND OBJECTIVE

1.1 The purpose of this Policy Directive is to establish a process for managing and resolving complaints of discrimination under Title VI and related nondiscrimination laws, brought by any individual or group of individuals who believe they were subjected to discrimination on the basis of race, color, national origin (including limited English proficiency (LEP) access), age, sex, religion, and disability in connection with any federally-funded program or activity of the Metropolitan Transportation Authority (“MTA”) and the following affiliated and subsidiary agencies: MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Construction & Development, MTA Bus Company, and MTA New York City Transit, including the Manhattan and Bronx Surface Transit Operating Authority and the Staten Island Rapid Transit Operating Authority, (collectively, the “MTA Agencies”).¹

2. SCOPE

2.1 This Policy Directive is in accordance with Title VI of the Civil Rights Act of 1964, 42 U.S.C. § 2000d et seq., the Federal Transit Laws, (49 U.S.C. § 5332), and the guidance of FTA Title VI Circular 4702.1B, FTA Environmental Justice Policy Guidance for Federal Transit Administration Recipients 4703.1, and FTA EEO Circular 4704.1A.

2.2 This Policy Directive does not apply to complaints of employment discrimination, harassment or retaliation under the MTA Agencies, Equal Employment Opportunity and related policies. Such complaints are managed and resolved by the Internal Discrimination Complaint Management Policy Directive, No. 11-062.

3. DEFINITIONS

3.1 **Administrative Closure** – A complaint that is closed without the MTA Agency issuing an investigatory determination. The reasons for an Administrative Closure may include, but are not limited to: (1) A Complainant fails to pursue the complaint, which includes (a) his/her failure to respond to a request for information needed to determine the

¹ The MTA Triborough Bridge and Tunnel Authority is not subject to this Policy Directive due to its funding status.

acceptability of the complaint and/or (b) his/her failure to cooperate with the investigation; (2) The Complainant did not provide enough information to investigate the complaint. (3) The Complainant has filed or files the same complaint with a court or administrative agency.

- 3.2 Complainant** - An individual or group of individuals alleging discrimination on the grounds of race, color, national origin (including LEP access), age, sex, religion and disability in connection with any federally-funded program or activity, including the services and other transit-related programs provided by the MTA Agencies.
- 3.3 Customer Service** – Any Department, Division or Sub-division designated by the MTA Agencies to receive verbal or written complaints by customers, whether centralized or specific to such Department, Division, or Sub-division.
- 3.4 Designation of Representative Form** – A form used by an individual or group to designate an authorized representative to assist them in making their complaint. An authorized representative may be a friend, family member, relative, or other person or organization of an individual’s choosing.
- 3.5 Discrimination** - Any action or inaction in any federally-funded program or activity of an MTA Agency, contractor or subcontractor that results in disparate treatment, disparate impact, or that perpetuates the effects of such, based on race, color, national origin (including LEP access), age, sex, religion or disability.
- 3.6 Investigation** – A formal inquiry into the allegations of a complaint for the purpose of determining whether there has been a violation of policy as stated in MTA’s Title VI and Related Nondiscrimination Laws Policy Statement.
- 3.7 Letter of Finding** – Letters of Finding (s) are issued as the result of the investigation and determination of a complaint received by the responding MTA Agency and sets forth the conclusion as to Reasonable Cause, No Reasonable Cause or Administratively Closed finding.
- 3.8 No Reasonable Cause** - An investigation determination that a Complainant’s allegations are unsubstantiated.
- 3.9 Reasonable Cause** - An investigation determination that a Complainant’s allegations are substantiated.
- 3.10 Respondent** - The MTA Agency or Agency’s employee(s) that an alleged Title VI or other discrimination complaint has been filed against.
- 3.11 Complaint** - Any verbal or written communication received by an MTA Agency from an individual, group of individuals or organization(s), alleging discriminatory treatment

in any federally-funded activity or program of an MTA Agency on the grounds of race, color, national origin (including LEP access), age, sex, religion or disability.

- 3.12 Withdrawal** – After a complaint has been submitted, the Complainant requests that the complaint investigation be closed prior to completion.

4. RESPONSIBILITIES

- 4.1** Every MTA employee is responsible for compliance with the policy as stated in MTA's Title VI and Related Nondiscrimination Laws Policy Statement, which provides that no person shall be excluded from participation in, denied the benefits of, or be subjected to discrimination in, any federally-funded program or activity including the services and other transit-related programs provided by the MTA Agencies, on the grounds of race, color, national origin (including LEP access), age, sex, religion or disability.
- 4.2** Each MTA Agency's Diversity/EEO Office shall be responsible for receiving, acknowledging, reviewing, investigating, tracking, reporting, referring to other designated departments, and when applicable, making recommendations for appropriate action, for all Complaints, with the exception of Complaints handled by an MTA Agency's Law Department (see 4.5 below).
- 4.3** Each MTA Agency's Diversity/EEO Office shall also be responsible for developing and implementing a training program for managers and supervisors of the customer complaint process and front-line employees with direct customer interaction, on how to identify potential complaints of Title VI or other discrimination.
- 4.4 Customer Service Department/Division/Sub-division at each MTA Agency**
- 4.4.1** Each agency shall keep a record of all customer complaints of potential Title VI and other forms of discrimination as identified herein.
- 4.4.2** Prior to the investigation, the individual receiving the complaint should follow the process below:
- 4.4.2.1** Identify whether the Complainant (s) allegation is a potential violation of Title VI or whether other discrimination is alleged.
- 4.4.2.2** Enter the complaint into a tracking system, assign a unique identifier number to the complaint, and indicate whether the complaint alleges a potential Title VI violation or whether other discrimination is alleged.
- 4.4.2.3** Route the complaint electronically to the appropriate MTA Agency's Diversity/EEO office within 3 business days of receipt.

4.4.2.4 Acknowledge receipt of the customer's complaint by letter or email and advise the customer of the following:

1. The complaint has been forwarded to the Diversity/EEO office where a determination will be made regarding whether the complaint constitutes a potential Title VI violation or whether other discrimination is alleged;
2. A Diversity/EEO Office or departmental investigator will contact the customer directly if more information is needed in order to conduct an investigation;

4.4.3 Within seven (7) business days after the complaint has been provided to the appropriate MTA Agency's Diversity/EEO Office, that office will provide notice back to the MTA Agency personnel receiving the complaint whether or not the complaint is accepted by their office, or referred back to customer service for appropriate referral to another department.

4.4.4 Any complaints determined by the Diversity/EEO Office investigator not to constitute a discrimination matter subject to this Policy Directive shall be handled in accordance with the relevant MTA Agency's standard processes for handling customer complaints.

4.4.5 Where a complaint is filed against an employee of a vendor or contractor with whom an MTA Agency has a direct contractual relationship, such complaint will be investigated by such vendor or contractor in accordance with the applicable contract. The MTA Agency will keep a record of such complaint and the outcome of such Complaint, and will ensure that the vendor has in place a Complaint procedure that comports with this Policy Directive.

4.5 MTA Agency's Law or Legal Department

4.5.1 Each MTA Agency law or legal department shall be responsible for handling all Complaints that have been filed with courts and administrative agencies or whenever deemed appropriate by the MTA Agency.

5. FILING A COMPLAINT

5.1 Under MTA's Title VI and Related Nondiscrimination Laws Policy Statement, any person who believes they have been subject to discrimination in any federally-funded program or activity, including the services and other transit-related programs provided by MTA Agencies, on the grounds of race, color, national origin (including LEP access), age, sex, religion or disability, may file a complaint.

5.2 A complaint under this Policy Directive must be made within 180 days of the alleged discrimination occurrence. A complaint is considered untimely if it is filed more than 180 days after the complaint event(s). A complaint shall be deemed filed on the date it is received by any Customer Service as defined in section 3.3.

**MTA All Agency Title VI and Related Nondiscrimination Laws Complaint Management
May, 2020**

5.3 A complaint may be made via phone, email, to customer service or by submitting a completed, dated and signed Title VI and Other Discrimination Complaint Form to an MTA Agency’s Diversity/EEO Office. Any written complaint may be submitted, in person or by U.S. Mail, to the Diversity/EEO Office, by the Complainant or their representative. The Title VI and Other Discrimination Complaint Form can be downloaded from the MTA website at [Filing a Title VI Complaint](#).

5.4 MTA Agency’s Diversity/EEO Offices

| | |
|---|--|
| MTA Headquarters Chief Diversity Officer Department of Diversity and Civil Rights 2 Broadway, 16 th Floor New York, NY 10004 1-800-466-8577 EEO Hotline (646) 252-1385 | MTA Metro-North Railroad Director Office of Diversity and Equal Employment Opportunity 420 Lexington Avenue, 12 th Floor New York, NY 10170 (212) 340-3350, EEO Hotline |
| MTA New York City Transit Vice President Department of EEO & Diversity 130 Livingston Street, 3 rd Floor Brooklyn, NY 11201 (718) 694-1730 | MTA Long Island Rail Road Director Office of Diversity Management Jamaica Station, 4 th Floor Mail Code #1141 Jamaica, NY 11435 (718) 558-8170 |
| MTA Bus Company Chief Equal Opportunity Officer Office of Equal Employment Opportunity 2 Broadway, 21 st Floor New York, NY 10004 (646) 252-8545 | MTA Construction & Development Chief Equal Opportunity Officer Department of Diversity and Equal Opportunity 2 Broadway, 8 th Floor New York, NY 10004 Phone: (646) 252-4379 |

5.5 If a Complainant is physically unable to provide a written complaint, an MTA representative may transcribe a written record. A Complainant may also choose to have a third party representative file the complaint on their behalf. If a Complainant is represented by a third party, the Complainant may complete a Designation of Representative Form to notify the MTA Agency’s Diversity/EEO Office.

5.6 If a complaint is made via telephone to the MTA Agency Diversity/EEO Office, the Complainant may be provided a Title VI and Other Discrimination Complaint Form via

mail to complete. MTA Agencies will provide translation services in accordance with individual Language Assistance Programs.

- 5.7** A complaint should, to the best of a Complainant's ability, set forth:
- 5.7.1 The Complainant's name, address, telephone number or other method of communicating with them. If the complaint is filed on behalf of another person, it should include the Complainant's name, address, telephone number, and the relationship to the person filing the complaint (e.g., friend, attorney, parent, etc.).
 - 5.7.2 The location, date and time of the alleged discrimination.
 - 5.7.3 Names, addresses and telephone numbers of any witnesses that the MTA Agency could contact for relevant information to support or clarify the allegations.
 - 5.7.4 A description of the alleged violation detailing how and why the Complainant believes they were discriminated against. The complaint should include as much background information as possible about the alleged act(s) of discrimination.
 - 5.7.5 The names of any individual(s) against whom the complaint is filed or as much identifying information as possible.

6. COMPLAINT INVESTIGATION PROCESS

- 6.1** The Agency Diversity/EEO Office staff or designee will review and determine whether an allegation sufficiently alleges a violation as covered within this Policy Directive, is submitted timely, and is duplicative of a previous complaint filed by the same Complainant.
- 6.2** If the Agency Diversity/EEO Office staff or designee determines that a complaint does not allege a basis of discrimination as covered in this Policy Directive, is reported outside the 180 day requirement or a duplicative incident that has already been investigated, the Agency Diversity/EEO Office staff will notify the Complainant in writing within 15 business days, that the complaint would not be accepted for investigation and administratively close the complaint.
- 6.3** The MTA Agency Diversity/EEO Office staff or designee may ask a Complainant to clarify allegation(s) in writing or provide additional information necessary for its investigation. If the Complainant does not respond within the time requested, a complaint may be administratively closed.
- 6.4** Once an Agency Diversity/EEO Office staff or designee has determined that a complaint is timely, involves a covered basis of discrimination, and is non-duplicative, the investigator will assign the complaint a case number, send the Complainant acknowledgment that the complaint has been accepted for investigation and inform the Complainant, of the right to file directly with the Federal Transit Administration's Office of Civil Rights.

- 6.5 A prompt and thorough investigation will be launched in order to gather facts to determine whether the Respondent may have acted in violation of the policy as stated in MTA's Title VI and Related Nondiscrimination Laws Policy Statement, and to have sufficient factual data on which to base a finding.
- 6.6 The initial scope of the investigation is limited to the immediate issues raised by the Complainant, although it may be expanded to include other potential issues that are uncovered during the investigation.
- 6.7 The investigator will identify and interview relevant parties and witnesses, compile and analyze data, review relevant documents, make site visits if appropriate and prepare a written investigatory report on the investigation findings, and if applicable make recommendations.
- 6.8 The Diversity/EEO Office staff or designee will seek to complete its investigation within 120 business days from the date of the acceptance of the Complaint. If additional time is required to complete the investigation, the MTA Agency will send written notification to the Complainant.
- 6.9 Upon conclusion of the investigation, the investigator will prepare a summary of findings including a determination of reasonable cause/no reasonable cause. If there is a finding of reasonable cause, the investigator may recommend appropriate corrective action. Recommendations, if applicable for corrective action will be determined by the Agency Diversity/EEO Office staff or designee with input from its Legal or Law Department, and or, Labor Relations where appropriate, and administered in accordance with MTA's agencies policies and any applicable collective bargaining agreement(s). Human Resources, Labor Relations (if necessary), and/or Ethics and Legal/Law Departments will assist MTA Agencies in the implementation of corrective actions where appropriate.
- 6.10 Letter of Finding and Complaint Resolution: Upon completion of an investigation, the conclusion and recommended corrective action, if any, is communicated to the Complainant.
- 6.11 The Agency Diversity/EEO Office will retain a record of discussions and documents relating to the investigation in a confidential file.

7. WITHDRAWAL AND REJECTION OF COMPLAINTS

- 7.1 The Complainant may withdraw their complaint during any stage of the process. Although there is no prescribed format for withdrawal, the Agency Diversity/EEO Office staff will ensure that the intent to withdraw is clearly expressed as evidenced by a statement with the Complainant's signature. The statement should indicate reasons for withdrawal. The original withdrawal statement should be made a part of the complaint file.
- 7.2 In the event a Complainant withdraws a complaint, MTA Agencies retain the right to continue the investigation without the Complainant's cooperation, to ensure

compliance with the policy as stated in MTA's Title VI and Related Nondiscrimination Laws Policy Statement.

- 7.3** The Agency Diversity/EEO Office staff or designee has the authority to reject a complaint. Complaints that fail to meet the conditions set forth above in Section 6 shall be formally rejected in writing by sending a closure letter. Where only a part of the complaint is rejected, the remainder of the complaint will be processed.

8. RIGHT TO FILE WITH EXTERNAL AGENCIES

- 8.1** The Letter of Finding will constitute the final internal decision and formally communicate the official findings of the investigation. If applicable, in all correspondence with Complainants, Complainants will be informed of the right, at any time (within the external agencies statute of limitations) to file a complaint with external agencies.

A Complainant may file a complaint against any MTA Agency subject to this Policy Directive alleging discrimination with:

Federal Transit Administration,
Office of Civil Rights,
Attention: Complaint Team, East Building 5th Floor - TCR
1200 New Jersey Avenue, SE
Washington, DC 20590

9. FREEDOM FROM REPRISAL

- 9.1** It is a violation of this Policy Directive to: (1) retaliate against any person because they have filed a complaint under this Policy Directive or participated in an investigation under this Policy Directive; (2) interfere with any person's ability to file a complaint or participate in an investigation under this Policy Directive; or (3) impede or interfere with an investigation conducted by an MTA Agency under this Policy Directive.

10. TRACKING AND REPORTING

- 10.1** Complaints filed pursuant to MTA's Title VI and Related Nondiscrimination Laws Policy Statement (both written and verbal), investigations, and lawsuits will be reported and tracked within each of the MTA Agencies, from the receipt of the complaint to the final disposition. The Department of Diversity and Civil Rights shall monitor the implementation of the MTA Agencies' Title VI and Related Nondiscrimination Laws Complaint Management procedures by reviewing each Agency's annual Title VI Program and periodic review of Title VI and Related Nondiscrimination Laws complaint files. MTA Agencies shall maintain investigation files of complaints under this Policy Directive for ten (10) years from the date of resolution of a complaint. However, records pertaining to an active or resolved lawsuit will be maintained

according to MTA's Record Retention Policy and any application litigation hold instructions.

11. FORMS, EXHIBITS AND ATTACHMENTS

- 11.1** The forms and documentation required by the applicable MTA Agency are to be used in the administration of this Policy Directive.

TITLE VI AND RELATED NONDISCRIMINATION LAWS POLICY STATEMENT

Statement of Commitment to Title VI and Related Nondiscrimination Laws

Title VI of the Civil Rights Act provides that “No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.”

In addition, the Federal Transit Laws, (49 U.S.C. § 5332) prohibit discrimination in any Federally Assisted Programs on the basis of age, sex, religion, and disability.

The Metropolitan Transportation Authority and certain of its its subsidiary and affiliate agencies (the “MTA”) is committed to complying with the requirements of Title VI and the related Federal Transit Laws with respect to all of its federally funded programs and activities.¹

Nondiscrimination Policy

It is the policy of the MTA to prohibit discrimination in MTA’s federally assisted programs. No person shall, on the grounds of race, color, or national origin, including matters related to limited language proficient (LEP) access, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any MTA program or activity receiving federal financial assistance. In compliance with the Federal Transit Laws, (49 U.S.C. § 5332), MTA also prohibits discrimination on the basis of religion, sex, disability and age.

Title VI and Related Discrimination Complaints

Any person who believes that they have been discriminated against by the MTA on the basis of race, color, national original (including matter related to LEP access), religion, sex, disability or age, may file a complaint by completing and submitting the Title VI and other Discrimination Complaint Form to the appropriate agency provided on the form. Complaints must be filed no more than **180 days** from the date(s) of the alleged incident.

An individual may elect to complete the complaint form online or print the form and mail directly to the relevant MTA subsidiary or affiliate agency. Additionally, a person may, at any time, file a complaint directly with the U.S. Department of Transportation at:

U.S. Department of Transportation,

¹ The MTA Triborough Bridge and Tunnel Authority is not subject to this Policy Statement due to its funding status.

Federal Transit Administration's Office of Civil Rights:
Complaint Team, East Building 5th Floor—TCR,
1200 New Jersey Ave. SE,
Washington, DC 20590.

Signature

Date

Title

DRAFT

Metropolitan Transportation Authority

(A Component Unit of the State of New York)

Consolidated Financial Statements as of and
for the Years Ended December 31, 2019 and 2018
Required Supplementary Information,
Supplementary Information and
Independent Auditors' Report

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INDEPENDENT AUDITORS' REPORT

To the Members of the Board of
Metropolitan Transportation Authority

Report on the Financial Statements

We have audited the accompanying consolidated financial statements of the business-type activities and the financial statements of the fiduciary activities (collectively, the "financial statements") of the Metropolitan Transportation Authority (the "MTA"), a component unit of the State of New York, as of and for the years ended December 31, 2019 and 2018, and the related notes to the financial statements, which collectively comprise the MTA's basic financial statements, as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express opinions on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the MTA's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purposes of expressing an opinion on the effectiveness of the MTA's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities and fiduciary activities of the MTA as of December 31, 2019 and 2018, and the respective changes in financial position and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matters

As discussed in Note 1 to the financial statements, the MTA is a component unit of the State of New York. The MTA requires significant subsidies from, and has material transactions with, the City of New York, the State of New York, and the State of Connecticut, and depends on certain tax revenues that are economically sensitive. Our opinions are not modified with respect to this matter.

As described in Note 2 to the financial statements, as of January 1, 2018, the Authority adopted Governmental Accounting Standards Board (“GASB”) Statement No. 84, Fiduciary Activities. Our opinions are not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the required supplementary information on pages 6-18 and 100-114 as listed in the table of contents, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management’s responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audits of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements that collectively comprise the MTA’s basic financial statements. The supplementary information on pages 115-121 as listed in the table of contents are presented for the purposes of additional analysis and are not a required part of the basic financial statements.

The supplementary information on pages 115-121 as listed in the table of contents are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information on pages 115-121 as listed in the table of contents is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

May 26, 2020

METROPOLITAN TRANSPORTATION AUTHORITY**(A Component Unit of the State of New York)****MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED)
AS OF AND FOR THE YEARS ENDED DECEMBER 31, 2019 AND 2018****(\$ In Millions, except as noted)**

The Reporting entity includes:

(1) the Primary Government which is comprised of the following component units:

- MTA Headquarters, including MTA Construction and Development
- MTA Long Island Railroad
- MTA Metro-North Commuter Railroad
- MTA Staten Island Railway
- First Mutual Transportation Assurance Company
- MTA Bus
- MTA New York City Transit Authority, and its blended component unit, Manhattan and Bronx Surface Transit Operating Authority, MaBSTOA
- MTA Bridges and Tunnels

The component units provide transportation services in the New York metropolitan area, operations of seven bridges and two tunnels within New York City and primary insurance coverage. The Primary Government engages in Business-Type Activities.

(2) Fiduciary Funds comprised of Pension and Other Employee Benefit Trust Funds:

- Pension Trust Funds:
 - MTA Defined Benefit Plan
 - The Long Island Railroad Company Plan for Additional Pensions ("Additional Plan")
 - Manhattan and Bronx Surface Transit Operating Authority ("MaBSTOA Plan")
 - Metro-North Commuter Railroad Cash Balance Plan ("MNR Cash Balance Plan")
- Other Employee Benefit Trust Funds
 - MTA Other Postemployment Benefits Plan ("OPEB Plan")
 - Thrift Plan for Employees of the MTA, its Subsidiaries and Affiliates ("401 (k) Plan")

The financial results of the Primary Government are reported as consolidated financial statements.

OVERVIEW OF THE CONSOLIDATED FINANCIAL STATEMENTS***Introduction***

This report consists of seven parts: Management's Discussion and Analysis ("MD&A"), Consolidated Financial Statements, Fiduciary Funds Financial Statements, Notes to the Consolidated Financial Statements, Required Supplementary Information, Supplementary Information - Combining Fiduciary Fund Financial Statements, and Supplementary Information.

Management's Discussion and Analysis

This MD&A provides a narrative overview and analysis of the financial activities of the Metropolitan Transportation Authority and its consolidated subsidiaries and affiliates (the "MTA" or "MTA Group") as of and for the years ended December 31, 2019 and 2018. For financial reporting purposes, the subsidiaries and affiliates of the MTA are blended component units. This management discussion and analysis is intended to serve as an introduction to the MTA Group's consolidated financial statements. It provides an assessment of how the MTA Group's position has improved or deteriorated and identifies the factors that, in management's view, significantly affected the MTA Group's overall financial position. It may contain opinions, assumptions, or conclusions by the MTA Group's management that must be read in conjunction with, and should not be considered a replacement for, the consolidated financial statements.

The Consolidated Financial Statements

The Consolidated Statements of Net Position, which provide information about the nature and amounts of resources with present service capacity that the MTA Group presently controls (assets), consumption of net assets by the MTA Group that is applicable to a future reporting period (deferred outflow of resources), present obligations to sacrifice resources that the MTA Group has little or no discretion to avoid (liabilities), and acquisition of net assets by the MTA Group that is applicable to a future reporting period (deferred inflow of resources) with the difference between assets/deferred outflow of resources and liabilities/deferred inflow of resources being reported as net position.

The Consolidated Statements of Revenues, Expenses and Changes in Net Position, which provide information about the MTA's changes in net position for the period then ended and accounts for all of the period's revenues and expenses, measures the success of the MTA Group's operations during the year and can be used to determine how the MTA has funded its costs.

The Consolidated Statements of Cash Flows, which provide information about the MTA Group's cash receipts, cash payments and net changes in cash resulting from operations, noncapital financing, capital and related financing, and investing activities.

The Fiduciary Funds Financial Statements

Fiduciary funds are used to account for resources held in a trustee capacity for the benefit of parties outside of a government entity. Fiduciary funds are not reported in the MTA's consolidated financial statements because the resources of those funds are not available to support the MTA's own programs. The MTA's fiduciary funds are collectively reported as Pension and Other Employee Benefit Trust Funds.

The Statement of Fiduciary Net Position presents financial information about the assets, liabilities, and the fiduciary net position held in trust of the fiduciary funds of the MTA.

The Statement of Changes in Fiduciary Net Position presents fiduciary activities of the fiduciary funds as additions and deductions to the fiduciary net position.

Notes to the Consolidated Financial Statements

The notes provide information that is essential to understanding the consolidated financial statements, such as the MTA Group's accounting methods and policies, details of cash and investments, employee benefits, long-term debt, lease transactions, future commitments and contingencies of the MTA Group, and information about other events or developing situations that could materially affect the MTA Group's financial position.

Required Supplementary Information

The required supplementary information provides information about the changes in the net pension liability and net other postemployment benefits ("OPEB") liability, employer contributions for the OPEB and pension plans, actuarial assumptions used to calculate the net pension liability and net OPEB liability, historical trends, and other required supplementary information related to the MTA Group's cost-sharing multiple-employer defined benefit pension plans.

Supplementary Information - Combining Fiduciary Funds Financial Statements

The supplementary information combining fiduciary funds financial statements includes the combining statement of fiduciary net position and the combining statement of changes in fiduciary net position which provides financial information on each fiduciary fund in which the MTA is functioning as a trustee for another party. The MTA's fiduciary funds are categorized as Pension and Other Employee Benefit Trust Funds.

Supplementary Information

The supplementary information provides a series of reconciliations between the MTA Group's financial plan and the consolidated statements of revenues, expenses and changes in net position.

FINANCIAL REPORTING ENTITY

The Metropolitan Transportation Authority ("MTA" or "MTA Group") was established under the New York Public Authorities Law and is a public benefit corporation and a component unit of the State of New York whose mission is to continue, develop, and improve public transportation and to develop and implement a unified public transportation policy in the New York metropolitan area. The financial reporting entity consists of subsidiaries and affiliates, considered component units of the MTA, because the Board of the MTA serves as the overall governing body of these related entities.

MTA Related Groups

The following entities, listed by their legal names, are subsidiaries (component units) of the MTA:

- Metropolitan Transportation Authority Headquarters (“MTAHQ”) provides support in budget, cash management, finance, legal, real estate, treasury, risk and insurance management, and other services to the related groups listed below.
- The Long Island Rail Road Company (“MTA Long Island Rail Road”) provides passenger transportation between New York City (“NYC”) and Long Island.
- Metro-North Commuter Railroad Company (“MTA Metro-North Railroad”) provides passenger transportation between NYC and the suburban communities in Westchester, Dutchess, Putnam, Orange, and Rockland counties in New York State (“NYS”) and New Haven and Fairfield counties in Connecticut.
- Staten Island Rapid Transit Operating Authority (“MTA Staten Island Railway”) provides passenger transportation on Staten Island.
- First Mutual Transportation Assurance Company (“FMTAC”) provides primary insurance coverage for certain losses, some of which are reinsured, and assumes reinsurance coverage for certain other losses.
- MTA Construction and Development Company (“MTA Construction and Development”), formerly called MTA Capital Construction Company, provides oversight for the planning, design and construction of current and future major MTA system-wide expansion projects.
- MTA Bus Company (“MTA Bus”) operates certain bus routes in areas previously served by private bus operators pursuant to franchises granted by the City of New York.
- MTAHQ, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Staten Island Railway, FMTAC, MTA Capital Construction, and MTA Bus, collectively are referred to herein as MTA. MTA Long Island Rail Road and MTA Metro-North Railroad are referred to collectively as the Commuter Railroads.

The following entities, listed by their legal names, are affiliates (component units) of the MTA:

- New York City Transit Authority (“MTA New York City Transit”) and its subsidiary, Manhattan and Bronx Surface Transit Operating Authority (“MaBSTOA”), provide subway and public bus service within the five boroughs of New York City.
- Triborough Bridge and Tunnel Authority (“MTA Bridges and Tunnels”) operates seven toll bridges, two tunnels, and the Battery Parking Garage, all within the five boroughs of New York City.

CONDENSED CONSOLIDATED FINANCIAL INFORMATION AND CONDENSED CONSOLIDATED FINANCIAL INFORMATION

The following sections discuss the significant changes in the MTA Group’s financial position as of and for the years ended December 31, 2019 and 2018. An analysis of major economic factors and industry trends that have contributed to these changes is provided. It should be noted that for purposes of the MD&A, the information contained within the summaries of the consolidated financial statements and the various exhibits presented were derived from the MTA Group’s consolidated financial statements.

Total Assets and Deferred Outflows of Resources, Distinguishing Between Capital Assets, Other Assets and Deferred Outflows of Resources

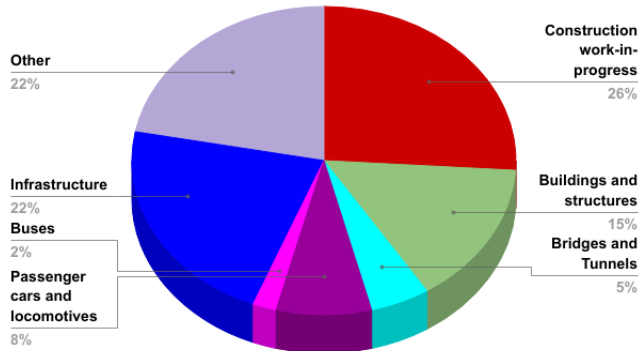
Capital assets include, but are not limited to: bridges, structures, tunnels, construction of buildings and the acquisition of buses, equipment, passenger cars, and locomotives.

Other assets include, but are not limited to: cash, restricted and unrestricted investments, State and regional mass transit taxes receivables, and receivables from New York State.

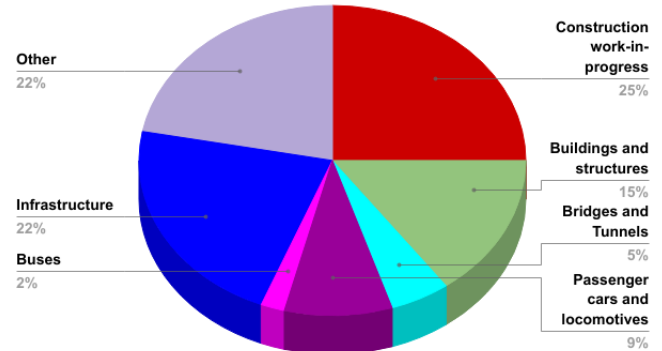
Deferred outflows of resources reflect: changes in fair market values of hedging derivative instruments that are determined to be effective, unamortized loss on refunding, deferred outflows from pension activities, and deferred outflows from OPEB activities.

| (In millions) | December 31, | | | Increase / (Decrease) | |
|---|--------------|-----------|-----------|-----------------------|-------------|
| | 2019 | 2018 | 2017 | 2019 - 2018 | 2018 - 2017 |
| Capital assets — net (see Note 6) | \$ 77,409 | \$ 72,511 | \$ 68,060 | \$ 4,898 | \$ 4,451 |
| Other assets | 8,856 | 7,827 | 8,533 | 1,029 | (706) |
| Total Assets | 86,265 | 80,338 | 76,593 | 5,927 | 3,745 |
| Deferred outflows of resources | 5,300 | 4,360 | 3,687 | 940 | 673 |
| Total assets and deferred outflows of resources | \$ 91,565 | \$ 84,698 | \$ 80,280 | \$ 6,867 | \$ 4,418 |

Capital Assets, Net - December 31, 2019



Capital Assets, Net - December 31, 2018



Significant Changes in Assets and Deferred Outflows of Resources Include:

December 31, 2019 versus December 31, 2018

- Net capital assets increased at December 31, 2019 by \$4,898 or 6.8%. There was an increase in other capital assets of \$2,094, an increase in construction in progress of \$2,013, an increase in land of \$6, an increase infrastructure of \$1,470, an increase in buildings and structures of \$1,102, an increase in passenger cars and locomotives of \$494, an increase in bridges and tunnels of \$72, and a decrease in buses of \$ 131. That was offset by a net increase in accumulated depreciation of \$2,222. See Note 6 to the MTA’s Consolidated Financial Statements for further information. Some of the more significant projects contributing to the net increase included:
 - Continued progress on the East Side Access, Second Avenue Subway and Number 7 Extension Project.
 - Infrastructure work including:
 - Repairs and improvements of all MTA Bridge and Tunnels’ facilities.
 - Improvements to MTA Long Island Railroad’s road-assets, replacement of signal power lines, various right-of-way enhancements and upgrades of radio communications.
 - Continued improvements to MTA Metro-North Railroad stations, tracks and structures, power rehabilitation of substations, and security.
 - Subway and bus real-time customer information and communications systems.
 - Continued structural rehabilitation and repairs of the ventilation system at various facilities.
 - Continued improvements made to the East River Tunnel Fire and Life Safety project for 1st Avenue, Long Island City and construction of three Montauk bridges.
 - Continued passenger station rehabilitations for Penn Station and East Side Access Passenger station.
 - Ongoing work by MTA New York City Transit to make stations fully accessible and structurally reconfigured in accordance with the Americans with Disability Act (“ADA”) standards.
- Other assets increased by \$1,029 or 13.1%. The major items contributing to this change include:
 - An increase in investments of \$1,194 mainly due to funds from mobility tax.
 - A decrease in current and non-current receivables of \$214 primarily due to a decrease in Federal and State grants for capital projects of \$118, a decrease in subsidies from New York City for MTA New York City Transit and MTA Bus of \$61, and a decrease in other non-current receivables of \$27. This decrease was offset by an increase in State and

regional mass transit taxes of \$34, and an increase in State and local operating assistance of \$35. There was also a net decrease in various current and non-current receivables of \$81 primarily due to a higher allowance of doubtful accounts.

- A net increase in various other current and noncurrent assets of \$40 primarily due to an increase in materials of \$34.
- An increase in cash of \$13 from net cash flow activities.
- Deferred outflows of resources increased by \$940 or 21.6%. This increase in deferred outflows is primarily related to higher deferred outflows related to pensions of \$946 due to changes in the actuarially determined calculations for the pension plans. There was also an increase in the fair value of derivative instruments of \$90, an increase in deferred outflows related to OPEB activities of \$41 due to changes in actuarial calculations for OPEB, and a decrease in deferred outflows for unamortized losses on refundings of \$137.

December 31, 2018 versus December 31, 2017

- Net capital assets increased at December 31, 2018 by \$4,451 or 6.5%. There was an increase in infrastructure of \$2,424, an increase in other capital assets of \$1,813, an increase in construction in progress of \$1,074, an increase in buildings and structures of \$741, an increase in bridges and tunnels of \$550, an increase in buses of \$195, and a decrease in passenger cars and locomotives of \$482. That was offset by a net increase in accumulated depreciation of \$1,864. See Note 6 to the MTA's Consolidated Financial Statements for further information. Some of the more significant projects contributing to the net increase included:
 - Continued progress on the East Side Access, Second Avenue Subway and Number 7 Extension Project.
 - Infrastructure work including:
 - Repairs and improvements of all MTA Bridge and Tunnels' facilities.
 - Improvements to MTA Long Island Railroad's road-assets, replacement of signal power lines, various right-of-way enhancements and upgrades of radio communications.
 - Continued improvements to MTA Metro-North Railroad stations, tracks and structures, power rehabilitation of substations, and security.
 - Subway and bus real-time customer information and communications systems.
 - Continued structural rehabilitation and repairs of the ventilation system at various facilities.
 - Continued improvements made to the East River Tunnel Fire and Life Safety project for 1st Avenue, Long Island City and construction of three Montauk bridges.
 - Continued passenger station rehabilitations for Penn Station and East Side Access Passenger station.
 - Ongoing work by MTA New York City Transit to make stations fully accessible and structurally reconfigured in accordance with the Americans with Disability Act ("ADA") standards.
- Other assets decreased by \$706 or 8.3%. The major items contributing to this change include:
 - A decrease in investments of \$1,008 mainly due to use of funds for capital projects.
 - An increase in current and non-current receivables of \$51 primarily due to an increase in subsidies from New York City for MTA New York City Transit and MTA Bus of \$102, an increase in Federal and State grants for capital projects of \$22, a net decrease in other subsidies of \$24 and a decrease in receivables from New York State for Service Contract Bonds of \$33. There was also a net decrease in various current and non-current receivables of \$16.
 - An increase in cash of \$258 from net cash flow activities.
 - A net decrease in various other current and noncurrent assets of \$7.
- Deferred outflows of resources increased by \$673 or 18.3%. This increase in deferred outflows is primarily related to OPEB activities of \$1,496 due to the implementation of GASB Statement No. 75, lower deferred outflows related to pensions of \$647 due to changes in the actuarially determined calculations for the pension plans related to changes in certain actuarial assumptions. There was also a decrease in the fair value of derivative instruments of \$79, and a decrease in deferred outflows for unamortized losses on refundings of \$97.

Total Liabilities and Deferred Inflows of Resources, Distinguishing Between Current Liabilities, Non-Current Liabilities and Deferred Inflows of Resources

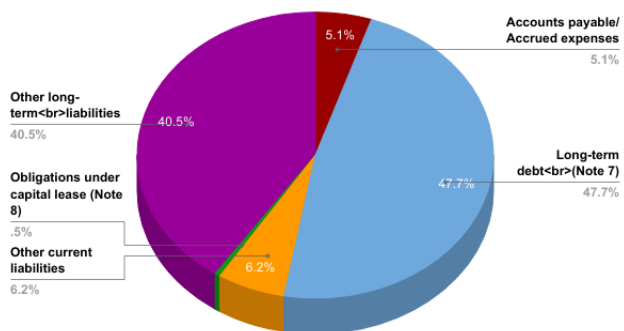
Current liabilities include: accounts payable, accrued expenses, current portions of long-term debt, capital lease obligations, pollution remediation liabilities, unredeemed fares and tolls, and other current liabilities.

Non-current liabilities include: long-term debt, capital lease obligations, claims for injuries to persons, post-employment benefits and other non-current liabilities.

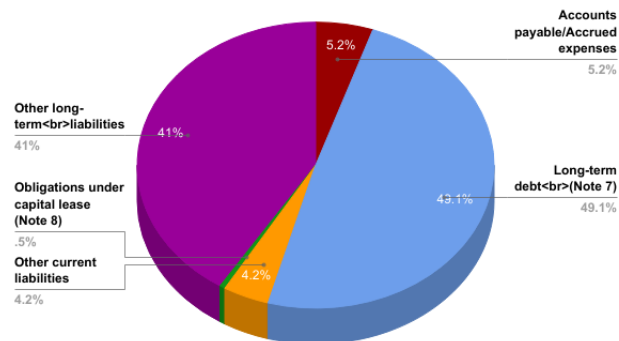
Deferred inflows of resources reflect unamortized gains on refunding, pension related deferred inflows, and deferred inflows from OPEB activities.

| (In millions) | December 31, | | | Increase/(Decrease) | |
|---|--------------|-----------|-----------|---------------------|-------------|
| | 2019 | 2018 | 2017 | 2019 - 2018 | 2018 - 2017 |
| Current liabilities | \$ 9,758 | \$ 7,609 | \$ 6,246 | \$ 2,149 | \$ 1,363 |
| Non-current liabilities | 74,727 | 72,022 | 68,304 | 2,705 | 3,718 |
| Total liabilities | 84,485 | 79,631 | 74,550 | 4,854 | 5,081 |
| Deferred inflows of resources | 2,629 | 1,114 | 506 | 1,515 | 608 |
| Total liabilities and deferred inflows of resources | \$ 87,114 | \$ 80,745 | \$ 75,056 | \$ 6,369 | \$ 5,689 |

Total Liabilities - December 31, 2019



Total Liabilities - December 31, 2018



Significant Changes in Liabilities and Deferred Inflows of Resources Include:

December 31, 2019 versus December 31, 2018

- Current liabilities increased by \$2,149 or 28.2%. The net increase in current liabilities was primarily due to an increase of current portion of long-term debt of \$2,021 due to new bond issues, an increase of \$84 in other accrued expenses, an increase in interest payable of \$77 due to new bonds issued in 2019, an increase in capital accruals of \$48 due to new projects, an increase in estimated liability arising from injuries to persons (Note 11) of \$47, an increase in the current portion obligations under capital leases (Note 9) of \$10, an increase of \$42 in employee related accruals and a decrease in unearned premiums of \$62. In addition, there was a decrease in unearned revenues of \$81, a decrease in accounts payable due to vendors of \$27, and a net decrease in various other current liabilities of \$10.
- Non-current liabilities increased by \$2,705 or 3.8%. This increase was mainly due to:
 - An increase in the non-current portion of long-term debt of \$1,955 primarily due to 2019 bond issuances (See Note 7).
 - An increase in pension liability of \$1,097, resulting from actuarial calculations as required by GASB Statement No. 68 (see Note 4).
 - An increase in estimated liability arising from injuries to persons (Note 10) of \$286 due to revised actuarial calculations of the workers' compensation reserve.
 - An increase in derivative liability (Note 8) of \$84.
 - A decrease in net OPEB liability of \$753 due to changes in actuarial calculations for OPEB as required by GASB Statement No. 75 (Note 5).
 - A net increase in other various non-current liabilities of \$36 primarily due to an increase in contract retainage payable due upon completion of projects.

- Deferred inflows of resources increased by \$1,515 or 136.%, primarily due higher deferred inflows related to OPEB of \$1,654 due to changes in actuarial calculations for OPEB as required by GASB Statement No. 75. A decrease in deferred inflows related to pensions of \$136 as a result of changes in the actuarially determined calculations for the pension plans as required by GASB Statement No. 68, and a decrease in the gain on refunding of debt of \$3.

December 31, 2018 versus December 31, 2017

- Current liabilities increased by \$1,363 or 21.8%. The net increase in current liabilities was primarily due to a net increase of \$87 in other accrued expenses, an increase in capital accruals of \$325, an increase in estimated liability arising from injuries to persons (Note 11) of \$39, an increase in unearned premiums of \$9, an increase in interest payable of \$6, an increase of \$54 in employee related accruals. In addition, there was an increase in unearned revenues of \$210, largely due to grant funds received in advance before expenditures for grants have been incurred, a decrease in accounts payable due to vendors of \$137, an increase of current portion of long-term debt of \$746 due to new bond issues, an increase in the current portion of pollution remediation projects of \$11, and an increase in various other current liabilities of \$13 primarily due to an increase in derivative fuel hedge liability (Note15) of \$12.
- Non-current liabilities increased by \$3,718 or 5.4%. This increase was mainly due:
 - An increase in the non-current portion of long-term debt of \$1,325 primarily due to 2018 bond issuances (See Note 7).
 - An increase in net OPEB liability of \$3,604 as a result of adopting GASB Statement No. 75 (Note 5).
 - An increase in estimated liability arising from injuries to persons (Note 10) of \$364 due to revised actuarial calculations of the workers' compensation reserve.
 - A net increase in other various non-current liabilities of \$43 primarily due to an increase in pollution remediation projects requiring corrective work requirements.
 - A decrease in pension liability of \$1,618, resulting from actuarial calculations as required by GASB Statement No. 68 (see Note 4).
- Deferred inflows of resources increased by \$608 or 120.2%, primarily due to higher deferred inflows related to pensions of \$590 as a result of changes in the actuarially determined calculations for the pension plans for changes in certain actuarial assumptions. An increase in deferred inflows related to OPEB of \$21 as a result of adopting GASB Statement No. 75, and a decrease in the gain on refunding of debt of \$3.

Total Net Position, Distinguishing Between Net Investment in Capital Assets, Restricted Amounts, and Unrestricted Amounts

| (In millions) | December 31, | | | Increase/(Decrease) | |
|----------------------------------|--------------|-----------|-----------|---------------------|-------------|
| | 2019 | 2018 | 2017 | 2019 - 2018 | 2018 - 2017 |
| Net investment in capital assets | \$ 31,271 | \$ 30,000 | \$ 28,250 | \$ 1,271 | \$ 1,750 |
| Restricted for debt service | 554 | 454 | 516 | 100 | (62) |
| Restricted for claims | 219 | 206 | 182 | 13 | 24 |
| Restricted for other purposes | 1,064 | 1,230 | 983 | (166) | 247 |
| Unrestricted | (28,657) | (27,937) | (24,707) | (720) | (3,230) |
| Total Net Position | \$ 4,451 | \$ 3,953 | \$ 5,224 | \$ 498 | \$ (1,271) |

Significant Changes in Net Position Include:

December 31, 2019 versus December 31, 2018

At December 31, 2019, total net position increased by \$498 or 12.6%, when compared with December 31, 2018. This change is a result of net non-operating revenues of \$5,700 and appropriations, grants and other receipts externally restricted for capital projects of \$3,298, and by operating losses of \$8,500.

The net investment in capital assets increased by \$1,271 or 4.2%. Funds restricted for debt service, claims and other purposes decreased by \$53 or 2.8% in the aggregate, mainly due to a \$100 increase in funds restricted for debt service, which was offset by a decrease in funds restricted for other purposes of \$166. Unrestricted net position decreased by \$720 or 2.6%.

December 31, 2018 versus December 31, 2017

At December 31, 2018, total net position decreased by \$1,271 or 24.3%, when compared with December 31, 2017. This change is a result of net non-operating revenues of \$5,653 and appropriations, grants and other receipts externally restricted for capital projects of \$2,302, offset by restatement of beginning net position of \$1,121 and by operating losses of \$8,105.

The net investment in capital assets increased by \$1,750 or 6.2%. Funds restricted for debt service, claims and other purposes increased by \$209 or 12.4% in the aggregate, mainly due to scheduled debt service payments. Unrestricted net position decreased by \$3,230 or 13.1%.

Condensed Consolidated Statement of Revenues, Expenses and Changes in Net Position

| (In millions) | December 31, 2019 | December 31, 2018 | December 31, 2017 | Increase/(Decrease) | |
|--|----------------------|----------------------|----------------------|---------------------|-------------------|
| | | | | 2019 - 2018 | 2018 - 2017 |
| Operating revenues | | | | | |
| Passenger and tolls | \$ 8,422 | \$ 8,131 | \$ 8,084 | \$ 291 | \$ 47 |
| Other | 621 | 605 | 589 | 16 | 16 |
| Total operating revenues | <u>9,043</u> | <u>8,736</u> | <u>8,673</u> | <u>307</u> | <u>63</u> |
| Non-operating revenues | | | | | |
| Grants, appropriations and taxes | 6,767 | 6,407 | 5,722 | 360 | 685 |
| Other | 500 | 839 | 782 | (339) | 57 |
| Total non-operating revenues | <u>7,267</u> | <u>7,246</u> | <u>6,504</u> | <u>21</u> | <u>742</u> |
| Total revenues | <u>16,310</u> | <u>15,982</u> | <u>15,177</u> | <u>328</u> | <u>805</u> |
| Operating expenses | | | | | |
| Salaries and wages | 6,310 | 6,300 | 5,968 | 10 | 332 |
| Retirement and other employee benefits | 3,125 | 2,447 | 2,742 | 678 | (295) |
| Postemployment benefits other than pensions | 1,613 | 1,749 | 2,155 | (136) | (406) |
| Depreciation and amortization | 2,870 | 2,679 | 2,611 | 191 | 68 |
| Other expenses | 3,623 | 3,666 | 3,374 | (43) | 292 |
| Operating expenses | <u>17,541</u> | <u>16,841</u> | <u>16,850</u> | <u>700</u> | <u>(9)</u> |
| Net expenses related to asset impairment | 1 | - | - | 1 | - |
| Total operating expenses | <u>17,542</u> | <u>16,841</u> | <u>16,850</u> | <u>701</u> | <u>(9)</u> |
| Non-operating expenses | | | | | |
| Interest on long-term debt | 1,557 | 1,460 | 1,517 | 97 | (57) |
| Loss on disposal of subway cars | - | 125 | - | (125) | 125 |
| Other net non-operating expenses | 11 | 8 | 8 | 3 | - |
| Total non-operating expenses | <u>1,568</u> | <u>1,593</u> | <u>1,525</u> | <u>(25)</u> | <u>68</u> |
| Total expenses | <u>19,110</u> | <u>18,434</u> | <u>18,375</u> | <u>676</u> | <u>59</u> |
| Loss before appropriations, grants and other receipts | | | | | |
| externally restricted for capital projects | (2,800) | (2,452) | (3,198) | (348) | 746 |
| Appropriations, grants and other receipts | | | | | |
| externally restricted for capital projects | 3,298 | 2,302 | 2,662 | 996 | (360) |
| Change in net position | 498 | (150) | (536) | 648 | 386 |
| Net position, beginning of year | 3,953 | 5,224 | 5,607 | (1,271) | (383) |
| Restatement of beginning net position - adoption of GASB No. 75 | - | (1,121) | - | 1,121 | (1,121) |
| Cumulative effect of change in accounting principle | - | - | 153 | - | (153) |
| Net position, end of year | <u>\$ 4,451</u> | <u>\$ 3,953</u> | <u>\$ 5,224</u> | <u>\$ 498</u> | <u>\$ (1,271)</u> |

Revenues and Expenses, by Major Source:

Years ended December 31, 2019 versus 2018

- Total operating revenues increased by \$307 or 3.5%. This increase was due to an increase in toll revenue of \$95 primarily due to an increase in vehicle crossings for the year ended December 31, 2019, when compared to the year ended December 31, 2018. Other operating revenues increased by \$16 due to higher advertising revenues collected on behalf of all agencies. Fare revenue also increased by \$196 due to higher ridership.
- Total non-operating revenues increased by \$21 or 0.3%.
 - The favorable variance of \$360 in grants, appropriations, and taxes was primarily due to increases in tax-supported subsidies from New York State, New York City and local service areas. There was an increase in Payroll Mobility Tax of \$151, an increase in Metropolitan Mass Transportation Operating of \$137, an increase in Operating Assistance of \$53, an increase in Mass Transportation Trust Fund of \$16, an increase in Mortgage Recording Tax subsidies of \$21, an increase in New York Assistance Fund of \$375, an increase in Internet Sales Tax of \$85, and an increase in Mansion Tax of \$74. The increases were offset by a decrease of \$508 for the Subway Action Plan, a decrease in NYS Service Contract subsidy of \$1, a decrease in Urban Tax subsidies of \$59, an increase in MTA Aid Trust of \$17, and a decrease in Build America Bond subsidy of \$1.

- Other non-operating revenues decreased by \$339 primarily due to a decrease in other net non-operating revenues of \$348, offset by an increase in subsidies from the Connecticut Department of Transportation for the MTA Metro-North Railroad of \$2, an increase in subsidies from New York City of \$4 for MTA Bus and MTA Staten Island Railway, and an increase in Station maintenance by \$3.
- Labor costs increased by \$552 or 5.3%. The major changes within this category are:
 - Retirement and employee benefits increased by \$678 primarily due to current actuarial valuation for pensions under GASB Statement No. 68.
 - Salaries, wages and overtime increased by \$10 primarily due to increases in MTA New York City Transit to support various maintenance and weather-related requirements.
 - Postemployment benefits other than pensions decreased by \$136 due to current actuarial valuation for OPEB under GASB Statement No. 75.
- Non-labor operating costs increased by \$149 or 2.3%. The variance was primarily due to:
 - An increase in depreciation of \$191 primarily due to more assets placed in service in the current year.
 - A decrease in pollution remediation projects of \$64 primarily due to lower areas of exposure requiring corrective work requirements.
 - An increase in claims arising from injuries to persons of \$57 based on the most recent actuarial valuations.
 - An increase in maintenance and other operating contracts by \$53.
 - An increase in material and supplies by \$10, mainly due to revised maintenance and repairs requirements for transit and commuter systems.
 - An increase in paratransit service contracts of \$22 primarily due to higher paratransit taxi expenses.
 - An increase in insurance of \$30 due to higher property and liability reserve requirements.
 - A decrease in professional service contracts of \$108 due to changes in consulting services requirements.
 - A decrease in electric power of \$38 and fuel of \$11 due to changes in rates and consumption.
 - A net increase in other various expenses of \$7.
- Total net non-operating expenses decreased by \$25 or 1.6% primarily due to a decrease in the loss on disposal of subway cars of \$125 offset by an increase in interest on long-term debt of \$97, and an increase in other net non-operating expenses by \$3.
- Appropriations, grants and other receipts externally restricted for capital projects increased by \$996 or 43.3%, mainly due to timing in the availability of Federal and State grants for capital projects.

Years ended December 31, 2018 versus 2017

- Total operating revenues increased by \$63 or 0.7%. This increase was mainly due to an increase in toll revenue of \$64 primarily due an increase in vehicle crossings for the year ended December 31, 2018, when compared to the year ended December 31, 2017. Other operating revenues increased by \$16 due to higher advertising revenues collected on behalf of all agencies. The increase was offset by a decrease in fare revenue of \$17 due to lower ridership.
- Total non-operating revenues increased by \$742 or 11.4%.
 - Total grants, appropriations, and taxes increased by \$685. This was due to an increase in tax-supported subsidies from New York City and local service areas of \$155 mainly due to higher Urban Tax of \$161, offset by a decline in Mortgage Recording Tax subsidies of \$6. Tax-supported subsidies from New York State increased by \$24 primarily due to an increase in Mass Transportation Trust Fund of \$27, a decrease in Payroll Mobility Tax of \$26, an increase in Operating Assistance of \$19 and an increase in MTA Aid of \$4. Other subsidies increased by \$506 primarily from subsidy support of NYS and NYC for the Subway Action Plan of \$508, a decrease in NYS Service Contract subsidy of \$4, and an increase in Build America Bond subsidy of \$2.
 - Other non-operating revenues increased by \$57 primarily due to an increase in subsidies from the Connecticut Department of Transportation for the MTA Metro-North Railroad of \$31, an increase in subsidies from New York City of \$57 for MTA Bus and MTA Staten Island Railway. This was offset by a net decrease in non-operating revenues of \$31.

- Labor costs decreased by \$369 or 3.4%. The major changes within this category are:
 - Salaries, wages and overtime increased by \$332 primarily due to increases in MTA New York City Transit to support the Subway Action Plan and various maintenance and weather-related requirements.
 - Postemployment benefits other than pensions decreased by \$406 as a result of adopting GASB Statement No. 75.
 - Retirement and employee benefits decreased by \$295 primarily due to lower pension expenses based upon the current actuarial valuation under GASB Statement No. 68.
- Non-labor operating costs increased by \$360 or 6%. The variance was primarily due to:
 - An increase in pollution remediation projects of \$93 primarily due to additional identification of areas of exposure requiring corrective work requirements.
 - An increase in professional service contracts of \$120 due to changes in consulting services requirements.
 - An increase in depreciation of \$68 primarily due to more assets placed in service in the current year.
 - A decrease in insurance of \$26 due to lower property and liability reserve requirements.
 - An increase in electric power of \$52 and fuel of \$34 due to changes in rates and consumption.
 - An increase in material and supplies by \$49, mainly due to revised maintenance and repairs requirements for transit and commuter systems.
 - An increase in paratransit service contracts of \$62 primarily due to higher paratransit taxi expenses.
 - A decrease in claims arising from injuries to persons of \$88 based on the most recent actuarial valuations.
 - A net decrease in other various expenses of \$4.
- Total net non-operating expenses increased by \$68 or 4.5% primarily due to an increase in the loss on disposal of subway cars of \$125 offset by a decrease in interest on long-term debt of \$57.
- Appropriations, grants and other receipts externally restricted for capital projects decreased by \$360 or 13.5%, mainly due to timing in the availability of Federal and State grants for capital projects.

OVERALL FINANCIAL POSITION AND RESULTS OF OPERATIONS AND IMPORTANT ECONOMIC CONDITIONS

Economic Conditions

Metropolitan New York is the most transit-intensive region in the United States, and a financially sound and reliable transportation system is critical to the region's economic well-being. The MTA consists of urban subway and bus systems, suburban rail systems, and bridge and tunnel facilities, all of which are affected by many different economic forces. To achieve maximum efficiency and success in its operations, the MTA must identify economic trends and continually implement strategies to adapt to changing economic conditions.

Preliminary MTA system-wide utilization through the fourth quarter of 2019 increased relative to 2018, with ridership up by 5.4 million trips (0.2%). The increase was driven by MTA New York City Transit subway ridership, which rose by 17.7 million trips (1.1%). In addition, MTA Long Island Rail Road ridership rose by 1.3 million trips (1.5%) and MTA Metro-North Railroad rose by 0.1 million trips (0.1%). These increases through the fourth quarter were partially offset by ridership declines at MTA New York City Transit bus, which declined by 12.4 million trips (2.2%), MTA Bus, which declined by 1.0 million trips (0.8%), and MTA Staten Island Railway, which declined by 0.2 million trips (4.9%). The decline in bus ridership is consistent with a trend that began in 2009 and has been observed nationally, while the increase in subway ridership is the third quarterly increase after 12 consecutive year-on-year quarterly decreases that began in the second quarter of 2016. Vehicle traffic at MTA Bridges and Tunnels facilities through the fourth quarter increased by 7.1 million crossings (2.2%) compared with 2018 levels. The 2019 New York State Budget approved congestion pricing in Manhattan south of 60th Street, which is scheduled to go into effect in 2021—this will likely impact ridership and vehicle crossings.

Seasonally adjusted non-agricultural employment in New York City for the fourth quarter was higher in 2019 than in 2018 by 79.5 thousand jobs (1.7%). On a quarter-to-quarter basis, New York City employment increased 32.7 thousand jobs, increasing for thirty-seventh consecutive quarter—the last decline occurred in the third quarter of 2010—and was higher than at any time since 1950, when non-agricultural employment levels for New York City were first recorded by the Bureau of Labor Statistics.

National economic growth, as measured by Real Gross Domestic Product (“RGDP”), expanded at an annualized rate of 2.1% in the fourth quarter of 2019, according to the most recent advance estimate released by the Bureau of Economic Analysis. The

increase in RGDP reflected increases in consumer spending, government spending, exports, and housing investment, which were partially offset by decreases in inventory investment and business investment. Imports, a subtraction in the calculation of GDP, decreased. The increase in consumer spending reflected increases in goods (led by motor vehicles and parts) and services (led by health care). The increase in government spending reflected increases at the federal, as well as state and local, government levels. The decline in inventory investment reflected a decrease in retail trade inventories (led by motor vehicle dealers), while the decline in business investment reflected a decrease in equipment (led by industrial equipment) and structures (led by mining exploration, shafts, and wells). In the third quarter, the annualized RGDP rate was also 2.1 percent.

The New York City metropolitan area's price inflation, as measured by the Consumer Price Index for All Urban Consumers ("CPI-U"), was lower than the national average in the fourth quarter of 2019, with the metropolitan area index increasing 1.84% while the national index increased 2.03%, when compared with the fourth quarter of 2018. Decreases in both the regional and national price of energy products (2.52% for the region, and 0.56% nationally) contributed to the low inflation rates; in the metropolitan area, the CPI-U exclusive of energy products increased by 2.15%, while nationally, inflation exclusive of energy products increased 2.25%. However, the spot price for New York Harbor conventional gasoline increased by 1.2%, from an average price of \$1.70 per gallon to an average price of \$1.72 per gallon between the fourth quarters of 2018 and 2019.

The Federal Open Market Committee ("FOMC") lowered its target for the Federal Funds rate during the fourth quarter of 2019, by a quarter point on October 31, 2019 to the target range of 1.50% to 1.75%. Job gains have been solid, on average, in recent months, and the unemployment rate has remained low. Although household spending has been rising at a strong pace, business fixed investment and exports remain weak. On a twelve-month basis, overall inflation and inflation for items other than food and energy are running below 2 percent, and market-based measures of inflation compensation remain low and survey-based measures of longer-term inflation expectations are little changed. The target rate reduction supports the FOMC's view that sustained expansion of economic activity, strong labor market conditions and inflation near the FOMC's 2 percent objective remain the most likely outcomes, but uncertainties remain. The FOMC indicated that the timing and size of future adjustments to the target range would consider realized and expected economic conditions relative to its maximum employment objective and its 2 percent inflation objective, including measures of labor market conditions, indicators of inflation and inflation expectations, and financial and international developments.

The influence of the Federal Reserve's monetary policy on the mortgage market is a matter of interest to the MTA, since variability of mortgage rates can affect the number of real estate transactions and thereby impact receipts from the Mortgage Recording Tax ("MRT") and Urban Tax, two important sources of MTA revenue. Mortgage Recording Tax collections for the fourth quarter of 2019 were higher than the fourth quarter of 2018 by \$10.4 (9.6%); receipts in the fourth quarter of 2019 were \$10.3 (8.0%) lower than receipts from the third quarter. Despite the overall recovery of MRT receipts that began in 2012 following the financial crisis, average monthly receipts in the fourth quarter of 2019 remain \$25.1 (39.5%) lower than the monthly average for 2006, just prior to the steep decline in Mortgage Recording Tax revenues. MTA's Urban Tax receipts—which are based on commercial real estate transactions and mortgage recording activity within New York City, and can vary significantly from quarter to quarter based on the timing of exceptionally high-priced transactions—were \$4.0 (2.6%) lower in the fourth quarter of 2019 than receipts for the fourth quarter of 2018; receipts in the fourth quarter of 2019 were \$3.2 (2.1%) higher than receipts from the third quarter. Average monthly receipts in the fourth quarter of 2019 were \$17.9 (24.3%) lower than the monthly average for 2007, just prior to the steep decline in Urban Tax revenues following the 2008 financial crisis.

Results of Operations

MTA Bridges and Tunnels - Toll revenues (net of bad debt expense relating to toll collections) were \$2,071,411 and \$1,975,663 for the years ended December 31, 2019 and December 31, 2018, respectively.

At 329.4 million crossings, traffic in 2019 set a record, surpassing the previous high of 322.3 million crossings in 2018 by 2.2%. The increase is primarily due to improvements in the regional economy, relatively favorable winter weather, stable gas prices, and the substantial completion of Sandy restoration work at the Queens Midtown Tunnel and the Hugh L. Carey Tunnel in the fourth quarter of 2018. Toll revenue in 2019 totaled \$2.071 billion, which was \$95.7, or 4.6% greater than 2018. The additional revenue was due to the higher traffic volume and a toll increase implemented on March 31, 2019.

The E-ZPass electronic toll collection system continued to facilitate management of high traffic volumes. The total average market share as of December 31, 2019 was 95.1% compared to 94.4% as of December 31, 2018. The average weekday market shares for passenger and commercial vehicles were 95.7% and 95.1% for 2019 and 2018, respectively.

MTA New York City Transit - Total revenue from fares was \$4,594 in 2019, an increase of \$147, or 3.3%, compared to 2018. Total ridership was 2,266 million, an increase of \$7 or 0.3% from 2018. Total operating expenses, including depreciation, other post-employment benefits and environmental remediation expenses, were \$11,433 in 2019, an increase of \$629 or 5.8%.

MTA Long Island Rail Road - Total operating revenue for the year ended December 31, 2019 was \$809.2, which was higher by \$19.9 or 2.5% compared to the year ended December 31, 2018. For the same comparative period, operating expenses were higher by \$16.0 or 0.1%, totaling \$2.0 billion for the year ended December 31, 2019.

MTA Metro-North Railroad – For the year ended December 31, 2019, operating revenues totaled \$813.2, an increase of \$21.1, or 2.7%, compared to 2018. During the same period, operating expenses decreased by \$29.0, or 1.7%, to \$1,654.1. Fare revenue for 2019 increased by 2.2% to \$756.7 compared to 2018. Passenger fares accounted for 93.0% and 93.4% of operating revenues in 2019 and 2018, respectively. The remaining revenue represents collection of rental income from stores in and around passenger stations and revenue generated from advertising. Total system-wide Metro-North ridership in 2019 was approximately 87.2 million rides, 85,883 rides higher than in the previous year, though slightly below the 2019 year-end forecast.

The MTA receives the equivalent of four quarters of Metropolitan Mass Transportation Operating Assistance (“MMTOA”) receipts each year, with the state advancing the first quarter of each succeeding calendar year’s receipts in the fourth quarter of the current year. This results in little or no Metropolitan Mass Transportation Operating Assistance receipts being received during the first quarter of each calendar year. The MTA has made other provisions to provide for cash liquidity during this period. During March 2016, the State appropriated \$1.6 billion in MMTOA funds. There has been no change in the timing of the State’s payment of, or MTA’s receipt of, Dedicated Mass Transportation Trust Fund (“MTTF”) receipts, which MTA anticipates will be sufficient to make monthly principal and interest deposits into the Debt Service Fund for the Dedicated Tax Fund Bonds. The total MRT for the year ended December 31, 2019 was \$447.9 compared to \$447.9 at December 31, 2018.

Capital Programs

At December 31, 2019, \$277 had been committed and \$7 had been expended for the 2020-2024 MTA Bridges and Tunnels Capital Program, \$25,066 had been committed and \$12,679 had been expended for the combined 2015-2019 MTA Capital Programs and the 2015-2019 MTA Bridges and Tunnels Capital Program, and \$28,423 had been committed and \$24,520 had been expended for the combined 2010-2014 MTA Capital Programs and the 2010-2014 MTA Bridges and Tunnels Capital Program, and \$24,156 had been committed and \$23,807 had been expended for the combined 2005-2009 MTA Capital Programs and the 2005-2009 MTA Bridges and Tunnels Capital Program.

The MTA Group has ongoing capital programs, which except for MTA Bridges and Tunnels are subject to the approval of the Metropolitan Transportation Authority Capital Program Review Board (“CPRB”), and are designed to improve public transportation in the New York Metropolitan area.

2020-2024 Capital Program – Capital programs totaling \$54,799 covering the years 2020-2024 for: (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the “2020–2024 Commuter Capital Program”), (2) the transit system operated by MTA New York City Transit and its subsidiary, MaBSTOA, the MTA Bus Company, and the rail system operated by MTA Staten Island Railway (the “2020–2024 Transit Capital Program”) were originally approved by the MTA Board on September 25, 2019. The capital programs were subsequently submitted to the Capital Program Review Board (“CPRB”) on October 1, 2019 and approved on January 1, 2020. The capital program for the toll bridges and tunnels operated by MTA Bridges and Tunnels (the “2020–2024 MTA Bridges and Tunnels Capital Program”) was approved by the MTA Board on September 25, 2019 and was not subject to CPRB approval.

The combined funding sources for the 2020–2024 MTA Capital Programs and the 2020-2024 MTA Bridges and Tunnels Capital Program, include \$15,000 in Central Business District tolling sources, \$10,000 in new revenue sources, \$9,792 in MTA bonds, \$3,327 in MTA Bridges and Tunnels bonds, \$10,680 in Federal funds, \$3,000 in State of New York funding, and \$3,000 in City of New York funding.

2015-2019 Capital Program — Capital programs covering the years 2015-2019 for: (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the “2015–2019 Commuter Capital Program”), (2) the transit system operated by MTA New York City Transit and its subsidiary, MaBSTOA, the MTA Bus Company, and the rail system operated by MTA Staten Island Railway (the “2015–2019 Transit Capital Program”) were originally approved by the MTA Board in September 2014. The capital programs were subsequently submitted to the Capital Program Review Board (“CPRB”) in October 2014. This plan was disapproved by the CPRB, without prejudice, in October 2014. The capital program for the toll bridges and tunnels operated by MTA Bridges and Tunnels (the “2015–2019 MTA Bridges and Tunnels Capital Program”) was approved by the MTA Board in September 2014 and was not subject to CPRB approval.

On April 20, 2016, the MTA Board approved revised capital programs for the years covering 2015-2019. The revised capital programs provided for \$29,456 in capital expenditures. On May 23, 2016, the CPRB deemed approved the revised 2015-2019 Capital Programs for the Transit and Commuter systems as submitted. The revised 2015-2019 MTA Bridges and Tunnels Capital Program, was approved by the MTA Board on April 20, 2016.

On February 23, 2017, the MTA Board approved a revision to the CPRB portion of the capital programs for the years covering 2015-2019, adding \$119 transferred from prior capital programs to support additional investment projects. On March 30, 2017, the CPRB deemed approved the revised 2015-2019 Capital Programs for the Transit and Commuter systems as submitted. On May 24, 2017, the MTA Board approved a full amendment to the 2015-2019 Capital Programs to reflect updated project estimates and rebalanced programs to address budgetary and funding needs of priority projects that include Second Avenue Subway Phase 2, MTA Long Island Rail Road regional mobility, station enhancement work, investments at Penn Station, and new Open Road Tolling at MTA Bridges and Tunnels. On July 31, 2017, the CPRB deemed approved the revised 2015-2019 Capital Programs for the Transit and Commuter systems totaling \$29,517, as submitted. The revised 2015-2019 MTA Bridges and Tunnels Capital

Program totaling \$2,940, as approved by the MTA Board in May 2017, was not subject to CPRB approval. On December 13, 2017, the MTA Board approved an amendment adding \$349 to the 2015-2019 Capital Program for the Transit system in support of the NYC Subway Action Plan. On April 25, 2018, the MTA Board approved a full amendment to increase the 2015-2019 Capital Programs to \$33,270 reflecting updated project cost estimates, emerging new needs across the agencies, and reallocation of funds within the East Side Access and Regional Investment programs, among others. On May 31, 2018, the CPRB deemed approved the revised 2015-2019 Capital Programs for the Transit and Commuter systems totaling \$30,334, as submitted. The revised 2015-2019 MTA Bridges and Tunnels Capital Program totaling \$2,936, as approved by the MTA Board in April 2018, was not subject to CPRB approval. On September 25, 2019, the MTA Board approved a full amendment to increase the 2015-2019 Capital Programs to \$33,913 reflecting updated project timing and cost estimates, new needs, and changing priorities.

By December 31, 2019, the revised 2015-2019 Capital Programs provided \$33,273 in capital expenditures, of which \$16,742 relates to ongoing repairs of, and replacements to, the transit system operated by MTA New York City Transit and MaBSTOA and the rail system operated by MTA Staten Island Railway; \$5,323 relates to ongoing repairs of, and replacements to, the commuter system operated by MTA Long Island Rail Road and MTA Metro-North Railroad; \$7,652 relates to the expansion of existing rail networks for both the transit and commuter systems to be managed by MTA Capital Construction; \$243 relates to Planning and Customer Service; \$376 relates to MTA Bus Company initiatives; and \$2,936 in capital expenditures for ongoing repairs of, and replacements to, MTA Bridges and Tunnels facilities.

The combined funding sources for the revised 2015–2019 MTA Capital Programs and the 2015-2019 MTA Bridges and Tunnels Capital Program, include \$7,968 in MTA bonds, \$2,925 in MTA Bridges and Tunnels dedicated funds, \$8,640 in State of New York funding, \$7,307 in Federal funds, \$2,667 in City of New York funding, \$2,156 in pay-as-you-go (“PAYGO”) capital, \$1,017 from asset sale/leases, and \$592 from other sources.

2010-2014 Capital Program — Capital programs covering the years 2010-2014 for: (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the “2010–2014 Commuter Capital Program”), (2) the transit system operated by MTA New York City Transit and its subsidiary, MaBSTOA, the MTA Bus Company, and the rail system operated by MTA Staten Island Railway (the “2010–2014 Transit Capital Program”) were originally approved by the MTA Board in September 2009. The capital programs were subsequently submitted to the CPRB in October 2009. This plan was disapproved by the CPRB, without prejudice, in December 2009 allowing the State Legislature to review funding issues in their 2010 session. The capital program for the toll bridges and tunnels operated by MTA Bridges and Tunnels (the “2010–2014 MTA Bridges and Tunnels Capital Program”) was approved by the MTA Board in September 2009 and was not subject to CPRB approval. The MTA Board approved the revised plan for the Transit and Commuter systems on April 28, 2010 and CPRB approval of the five-year program of projects was obtained on June 1, 2010. The approved CPRB program fully funded only the first two years (2010 and 2011) of the plan, with a commitment to come back to CPRB with a funding proposal for the last three years for the Transit and Commuter Programs. On December 21, 2011, the MTA Board approved an amendment to the 2010-2014 Capital Program for the Transit, Commuter, and Bridges and Tunnels systems that fund the last three years of the program through a combination of self-help (efficiency improvements and real estate initiatives), participation by our funding partners, and innovative and pragmatic financing arrangements. On March 27, 2012, the CPRB deemed approved the amended 2010-2014 Capital Programs for the Transit and Commuter systems as submitted.

On December 19, 2012, the MTA Board approved an amendment to the 2010-2014 Capital Programs for the Transit, Commuter, and Bridges and Tunnels systems to add projects for the repair/restoration of MTA agency assets damaged as a result of Superstorm Sandy, which struck the region on October 29, 2012. On January 22, 2013, the CPRB deemed approved the amended 2010-2014 Capital Programs for the Transit and Commuter systems as submitted. On July 22, 2013, the MTA Board approved a further amendment to the 2010-2014 Capital Programs for the Transit, Commuter, and Bridges and Tunnels systems to include specific revisions to planned projects and to include new resilience/mitigation initiatives in response to Superstorm Sandy. On August 27, 2013, the CPRB deemed approved those amended 2010-2014 Capital Programs for the Transit and Commuter systems as submitted. On July 28, 2014, the MTA Board approved an amendment to select elements of the Disaster Recovery (Sandy) and MTA New York City Transit portions of the 2010-2014 Capital Programs, and a change in the funding plan. On September 3, 2014, the CPRB deemed approved the amended 2010-2014 Capital Programs for the Transit and Commuter systems as submitted.

In May 2017, the MTA Board approved an amendment to the 2010-2014 Capital Programs to reflect scope transfers and consolidation between the approved capital programs, and to reflect reductions to the MTA Superstorm Sandy capital projects to match current funding assumptions. This amendment, which provided \$29,237 in capital expenditures for the Transit and Commuter systems, was deemed approved by the CPRB as submitted on July 31, 2017. The amended 2010-2014 MTA Bridges and Tunnels Capital Program, which provided \$2,784 in capital expenditures, was not subject to CPRB approval. On September 25, 2019, the MTA Board approved an amendment to decrease the 2010-2014 Capital Programs to \$31,704 reflecting administrative budget adjustments and updated project cost and timing assumptions.

By December 31, 2019, the 2010-2014 MTA Capital provided \$31,640 in capital expenditures, of which \$11,365 relates to ongoing repairs of, and replacements to, the transit system operated by MTA New York City Transit and MaBSTOA and the rail system operated by MTA Staten Island Railway; \$3,925 relates to ongoing repairs of, and replacements to, the commuter system operated by MTA Long Island Rail Road and MTA Metro-North Railroad; \$5,920 relates to the expansion of existing rail

networks for both the transit and commuter systems to be managed by MTA Capital Construction; \$337 relates to a multi-faceted security program including MTA Police Department; \$223 relates to MTA Interagency; \$297 relates to MTA Bus Company initiatives; \$2,022 relates to the ongoing repairs of, and replacements to, MTA Bridges and Tunnels facilities; and \$7,551 relates to Superstorm Sandy recovery/mitigation capital expenditures.

The combined funding sources for the CPRB-approved 2010–2014 MTA Capital Programs and 2010–2014 MTA Bridges and Tunnels Capital Program include \$11,483 in MTA Bonds, \$2,026 in MTA Bridges and Tunnels dedicated funds, \$7,594 in Federal Funds, \$132 in MTA Bus Federal and City Match, \$719 from City Capital Funds, and \$1,519 from other sources. Also included is \$770 in State Assistance funds added to re-establish a traditional funding partnership. The funding strategy for Superstorm Sandy repair and restoration assumes the receipt of \$6,329 in insurance and federal reimbursement proceeds (including interim borrowing by MTA to cover delays in the receipt of such proceeds), \$81 in pay-as-you-go capital, supplemented, to the extent necessary, by external borrowing of up to \$988 in additional MTA and MTA Bridges and Tunnels bonds.

2005-2009 Capital Program — Capital programs covering the years 2005-2009 for: (1) the commuter railroad operations of the MTA conducted by MTA Long Island Rail Road and MTA Metro-North Railroad (the “2005–2009 Commuter Capital Program”), (2) the transit system operated by MTA New York City Transit and its subsidiary, MaBSTOA, the MTA Bus Company, and the rail system operated by MTA Staten Island Railway (the “2005–2009 Transit Capital Program”) were originally approved by the MTA Board in April 2005 and subsequently by the CPRB in July 2005. The capital program for the toll bridges and tunnels operated by MTA Bridges and Tunnels (the “2005–2009 MTA Bridges and Tunnels Capital Program”) was approved by the MTA Board in April 2005 and was not subject to CPRB approval. The 2005–2009 amended Commuter Capital Program and the 2005–2009 Transit Capital program (collectively, the “2005–2009 MTA Capital Programs”) were last amended by the MTA Board in July 2008. This latest 2005-2009 MTA Capital Program amendment was resubmitted to the CPRB for approval in July 2008, and was approved in August 2009.

As last amended by the MTA Board, the 2005–2009 MTA Capital Programs and the 2005–2009 MTA Bridges and Tunnels Capital Program, provided for \$23,717 in capital expenditures. By December 31, 2019, the 2005-2009 MTA Capital Programs budget increased by \$692 primarily due to the receipt of new American Recovery and Reinvestment Act (“ARRA”) funds and additional New York City Capital funds for MTA Capital Construction work still underway. Of the \$24,409 now provided in capital expenditures, \$11,514 relates to ongoing repairs of, and replacements to the transit system operated by MTA New York City Transit and MaBSTOA and the rail system operated by MTA Staten Island Railway; \$3,727 relates to ongoing repairs of, and replacements to, the commuter system operated by MTA Long Island Rail Road and MTA Metro-North Railroad; \$166 relates to certain interagency projects; \$7,723 relates generally to the expansion of existing rail networks for both the transit and commuter systems to be managed by the MTA Capital Construction Company (including the East Side Access, Second Avenue Subway and No.7 subway line) and a security program throughout MTA’s transit network; \$1,127 relates to the ongoing repairs of, and replacements to, bridge and tunnel facilities operated by MTA Bridges and Tunnels; and \$152 relates to capital projects for the MTA Bus.

The combined funding sources for the MTA Board-approved 2005–2009 MTA Capital Programs and 2005–2009 MTA Bridges and Tunnels Capital Program include \$11,006 in MTA and MTA Bridges and Tunnels Bonds (including funds for LaGuardia Airport initiative), \$1,450 in New York State general obligation bonds approved by the voters in the November 2005 election, \$7,827 in Federal Funds, \$2,838 in City Capital Funds, and \$1,288 from other sources.

CURRENTLY KNOWN FACTS, DECISIONS, OR CONDITIONS

The 2019 November Financial Plan

The 2019 MTA November Financial Plan (the “November Plan” or “Plan”), which includes the 2019 November Forecast, the 2020 Final Proposed Budget and a Financial Plan for the years 2020-2023, updates the July Financial Plan. Since 2010, MTA financial plans – which are developed in a disciplined, consistent, and transparent process – have included the impact of the MTA’s continuous pursuit of operational efficiencies and recurring cost reductions which are used to temper the amount of revenues needed from biennial fare and toll increases and governmental subsidies, and provide funding for the capital program and enhanced maintenance. The Plans have added service when sustainable while also addressing long-term costs such as pensions, health care, paratransit, and debt service previously considered “uncontrollable.”

The November Plan includes:

- Implementation of the Transformation Plan to streamline MTA internal processes,
- No budget-driven service cuts,
- maintenance of improvements from the Subway Action Plan, and
- projected biennial fare and toll increases that generate a four percent net increase in farebox and toll revenue.

The Plan permanently captures savings from currently vacant Administrative positions that will be eliminated and reflects the fiscal impact of actions being taken to reduce fare evasion and constrain “controllable” overtime. The Plan also assumes a renegotiation with the City of New York for a more equitable sharing of Paratransit net operating deficits.

Impacts from Global Coronavirus Pandemic

On March 12, 2020, the World Health Organization declared the current novel coronavirus (“COVID-19”) outbreak to be a pandemic in the face of the global spread of the virus. By order of Governor Cuomo (“New York State on PAUSE”), effective March 2020, all non-essential businesses Statewide were required to be closed, among other restrictive social distancing and related measures. For further information, refer to Note 16, Subsequent Events, to the MTA’s Consolidated Financial Statements.

- The initial impact of social distancing and Governor Cuomo’s PAUSE Executive Order resulted in a severe decline in the utilization of MTA services.
- Dramatic declines in MTA public transportation system ridership and fare revenues, and MTA Bridge and Tunnel crossing traffic and toll revenues have occurred at an accelerating pace. The steep fall in both ridership and vehicle volume reflects the initial impact of social distancing and subsequent State governmental orders limiting non-essential activities caused by the COVID-19 pandemic. There remains a high risk for further reductions in ridership and traffic.
- While we cannot estimate the duration of the pandemic and the reduced use of MTA services, if the current levels are sustained for six months, and then followed by a gradual six-month return to pre-pandemic ridership and traffic levels, the full 2020 financial impact of the COVID-19 crisis to the MTA is projected to be between \$7.0 and \$8.5 billion.
- On May 6, 2020, effective in the early morning, the MTA began its unprecedented closure of the subway system overnight from 1 – 5 a.m. for daily deep cleaning and a new “Essential Connector” service to continue moving the essential workers on the frontlines of the COVID-19 pandemic. During this overnight period, the MTA will intensify disinfecting operations, cleaning its fleet of thousands of cars and buses every night, and further testing new and innovative cleaning solutions, including UV, antimicrobials and electrostatic disinfectants. Essential workers traveling to and from work during the overnight will be connected with for-hire-vehicles through the “Essential Connector” program at no cost to customers.

Tropical Storm Sandy Update

The total allocation of emergency relief funding from the Federal Transit Administration (“FTA”) to MTA in connection with Superstorm Sandy to date is \$5.83 billion, including \$1.599 billion allocated on September 22, 2014, through a competitive resiliency program. A total of \$5.606 billion in FTA Emergency Relief Funding has been executed: seven repair/local priority resiliency grants totaling \$4.552 billion and seventeen competitive resiliency grants totaling \$1.054 billion. As of December 31, 2019, MTA has drawn down a total of \$2.520 billion in grant reimbursement for eligible operating and capital expenses. The balance of funds to be drawn down from all twenty-four grants is available to MTA for reimbursement of eligible expenses as requisitions are submitted by MTA and approved by FTA. Additional requisitions are in process. At MTA and Amtrak’s request, in April 2018, FTA transferred \$13.5 of MTA’s emergency relief allocation to the Federal Railroad Administration (“FRA”) to allow Amtrak to execute a portion of MTA Long Island Rail Road’s Competitive Resilience scope.

MTA expects to submit grant requests for the \$206.3 of remaining FTA emergency relief allocation in Federal Fiscal Year 2020.

Labor Update

During the final quarter of 2019, no new labor agreements were reached with represented employees at MTA agencies, although several tentative agreements reached late in the year awaited presentation to the MTA Board and would be proposed for MTA Board approval early in the new year. With several labor agreements having expired or having become amendable in the fourth quarter, the MTA continued the process of collective bargaining towards new terms for a majority of its unionized employees. The following describes in greater detail the status of MTA’s labor relations bargaining activity through December 31, 2019.

MTA Long Island Rail Road – At the end of the final quarter of 2019, MTA Long Island Rail Road had approximately 7,541 employees. Approximately 6,543 of the railroad’s employees were represented by 12 different unions in 19 bargaining units. MTA Long Island Rail Road, having reached agreement with all its unions for the period from December 16, 2016 through April 16, 2019, is in position to begin a new round of collective bargaining. Meanwhile, under the Railway Labor Act, MTA Long Island Rail Road’s represented population is covered by the amendable agreements.

MTA Metro-North Railroad – By the end of the fourth quarter of 2019, only two bargaining groups at MTA Metro-North Railroad, both divisions of the Association of Commuter Rail Employees (“ACRE”), remained without new agreement terms covering the 2017-2019 period. While the approximately 440 Engineers, represented by ACRE Division 9, had reached a tentative agreement with the MTA Metro-North Railroad late in the year, the new terms had not been slated for MTA Board presentation until January of 2020. Additionally, approximately 284 Signalmen, represented by ACRE Division 166, remained without new agreement terms for the 2017-2019 round of collective bargaining. All other represented employees of the MTA Metro-North Railroad had earlier reached labor agreements for that round and, by December, all those agreements had already become amendable under the Railway Labor Act. Effectively, this means that all of the unions representing approximately 5,603 union members at MTA Metro-North Railroad will be seeking to amend terms of labor agreements in 2020.

MTA Headquarters – Labor agreements with approximately 756 MTA Police members of the Police Benevolent Association (“PBA”) and approximately 24 members of the Commanding Officers Association (“COA”) expired in October 2018, and negotiations to establish new terms with these MTA Police unions, covering nearly half of MTA Headquarters’ represented population, continued throughout the fourth quarter of 2019. At the same time, agreements with the other unions that represent approximately 921 employees working at MTA Headquarters remained in effect, although the agreement with approximately 378 IT employees represented by the Transportation Communications Union (“TCU Local 983”) expired on December 31, 2019.

MTA New York City Transit Authority/Manhattan and Bronx Surface Transit Operating Authority – In May 2019, the labor agreement between MTA New York City Transit and its largest union, the Transport Workers Union Local 100 (“TWU Local 100”), expired. In the fourth quarter of 2019, after months of negotiations, a new tentative agreement was reached, covering approximately 37,295 TWU Local 100 employees of MTA New York City Transit, MaBSTOA and MTA Bus Company; however, it was not presented to the MTA Board nor officially approved for implementation until January 2020.

MTA Bus Company – At the end of the fourth quarter of 2019, MTA Bus Company had 4,096 employees (full and part time), approximately 3,860 of whom are represented by three different unions (five bargaining units). The largest of these is TWU Local 100, whose members sat with their counterparts at MTA New York City Transit and MaBSTOA in the 2017-2019 round of collective bargaining and were co-parties to that agreement. As mentioned above, the agreement with TWU Local 100, including MTA Bus Company employees, expired in May 2019. Once again, as negotiations towards a new agreement got underway, the MTA Bus Company employees decided to collectively bargain with the operational employees at MTA New York City Transit. A tentative agreement was finally reached in the final quarter, which included approximately 2,313 MTA Bus Company employees. However, it was not presented to the MTA Board nor officially approved for implementation until January 2020. By the end of the fourth quarter, with the expiration of two of MTA Bus Company’s other large unions—ATU Local 1179 and ATU Local 1181— and the earlier expiration of MTA Bus Company’s agreement with TWU Local 106, all of MTA Bus Company’s 3,860 represented employees (including those of TWU Local 100, whose agreement awaited Board approval) had expired labor agreements.

MTA Bridges and Tunnels – As of December 31, 2019, MTA Bridges and Tunnels had 1,296 employees, approximately 884 of whom were represented by three different labor unions (four bargaining units). In the fourth quarter, approximately 339 Maintainers, members of DC 37 Local 1931, remained under an effective labor agreement, which will expire in July 2020. The recent Memorandum of Understanding between the agency and the Bridge and Tunnel Officers Benevolent Association (“BTOBA”), having been passed by the MTA Board in June, expired in September. That agreement had covered the 88-month period beginning on May 18, 2012. By the end of December, MTA Bridges and Tunnels negotiations with DC 37 Local 1655 had produced a tentative agreement, which would not be presented to the MTA Board, nor approved for implementation, until January 2020. Finally, negotiations with the Superior Officers Benevolent Association (“SOBA”) representing 149 supervisory officers, which expired March 14, 2012, have advanced to mediation. SOBA is ineligible to seek binding interest arbitration.

MTA Staten Island Railway – During the last quarter of 2019, MTA Staten Island Railway had 357 employees, approximately 328 of whom were represented by four different unions. In the fourth quarter, labor agreements with all the railway’s unions had already expired, and new terms have not yet been reached with any of these groups.

(A Component Unit of the State of New York)

CONSOLIDATED STATEMENTS OF NET POSITION
AS OF DECEMBER 31, 2019 AND 2018

(\$ in millions)

| | Business-Type Activities | |
|---|--------------------------|----------------------|
| | December 31, 2019 | December 31, 2018 |
| ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | | |
| CURRENT ASSETS: | | |
| Cash (Note 3) | \$ 554 | \$ 541 |
| Unrestricted investments (Note 3) | 3,304 | 2,915 |
| Restricted investments (Note 3) | 2,167 | 1,487 |
| Restricted investments held under capital lease obligations (Notes 3 and 8) | 107 | 4 |
| Receivables: | | |
| Station maintenance, operation, and use assessments | 118 | 119 |
| State and regional mass transit taxes | 142 | 108 |
| Mortgage Recording Tax receivable | 49 | 43 |
| State and local operating assistance | 46 | 11 |
| Other receivable from New York City and New York State | 228 | 289 |
| Due from Build America Bonds | 1 | 1 |
| Capital project receivable from federal and state government | 25 | 143 |
| Other | 449 | 463 |
| Less allowance for doubtful accounts | (200) | (128) |
| Total receivables — net | 858 | 1,049 |
| Materials and supplies | 658 | 624 |
| Prepaid expenses and other current assets (Note 2) | 155 | 145 |
| Total current assets | 7,803 | 6,765 |
| NON-CURRENT ASSETS: | | |
| Capital assets (Notes 6): | | |
| Land and construction work-in-progress | 20,288 | 18,269 |
| Other capital assets (net of accumulated depreciation) | 57,121 | 54,242 |
| Unrestricted investments (Note 3) | 66 | 46 |
| Restricted investments (Note 3) | 641 | 546 |
| Restricted investments held under capital lease obligations (Notes 3 and 8) | 289 | 382 |
| Other non-current receivables | 31 | 58 |
| Receivable from New York State | 10 | 10 |
| Other non-current assets | 16 | 20 |
| Total non-current assets | 78,462 | 73,573 |
| TOTAL ASSETS | 86,265 | 80,338 |
| DEFERRED OUTFLOWS OF RESOURCES: | | |
| Accumulated decreases in fair value of derivative instruments (Note 7) | 419 | 329 |
| Loss on debt refunding (Notes 7) | 1,001 | 1,138 |
| Deferred outflows related to pensions (Note 4) | 2,343 | 1,397 |
| Deferred outflows related to OPEB (Note 5) | 1,537 | 1,496 |
| TOTAL DEFERRED OUTFLOWS OF RESOURCES | 5,300 | 4,360 |
| TOTAL ASSETS AND DEFERRED OUTFLOWS OF RESOURCES | \$ 91,565 | \$ 84,698 |

See notes to the consolidated financial statements.

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(A Component Unit of the State of New York)

CONSOLIDATED STATEMENTS OF NET POSITION

AS OF DECEMBER 31, 2019 AND 2018

(\$ in millions)

| | Business-Type Activities | |
|---|--------------------------|----------------------|
| | December 31, 2019 | December 31, 2018 |
| LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION | | |
| CURRENT LIABILITIES: | | |
| Accounts payable | \$ 443 | \$ 470 |
| Accrued expenses: | | |
| Interest | 287 | 210 |
| Salaries, wages and payroll taxes | 350 | 327 |
| Vacation and sick pay benefits | 1,040 | 1,020 |
| Current portion — retirement and death benefits | 15 | 16 |
| Current portion — estimated liability from injuries to persons (Notes 10) | 501 | 454 |
| Capital accruals | 785 | 737 |
| Unearned premiums | 202 | 264 |
| Other | 777 | 693 |
| Total accrued expenses | 3,957 | 3,721 |
| Current portion — loan payable (Note 7) | 16 | 15 |
| Current portion — long-term debt (Note 7) | 4,573 | 2,552 |
| Current portion — obligations under capital lease (Note 8) | 14 | 4 |
| Current portion — pollution remediation projects (Note 12) | 31 | 31 |
| Derivative fuel hedge liability (Note 14) | 1 | 12 |
| Unearned revenues | 723 | 804 |
| Total current liabilities | 9,758 | 7,609 |
| NON-CURRENT LIABILITIES: | | |
| Net pension liability (Note 4) | 7,584 | 6,487 |
| Estimated liability arising from injuries to persons (Notes 10) | 4,086 | 3,800 |
| Net OPEB liability (Note 5) | 19,582 | 20,335 |
| Loan payable (Note 7) | 108 | 104 |
| Long-term debt (Notes 7) | 41,572 | 39,617 |
| Obligations under capital leases (Notes 8) | 438 | 443 |
| Pollution remediation projects (Note 12) | 120 | 108 |
| Contract retainage payable | 435 | 406 |
| Derivative liabilities (Note 7) | 430 | 346 |
| Other long-term liabilities | 372 | 376 |
| Total non-current liabilities | 74,727 | 72,022 |
| TOTAL LIABILITIES | 84,485 | 79,631 |
| DEFERRED INFLOWS OF RESOURCES: | | |
| Gain on debt refunding | 20 | 23 |
| Deferred inflows related to pensions (Note 4) | 934 | 1,070 |
| Deferred inflows related to OPEB (Note 5) | 1,675 | 21 |
| TOTAL DEFERRED INFLOWS OF RESOURCES | 2,629 | 1,114 |
| NET POSITION: | | |
| Net investment in capital assets | 31,271 | 30,000 |
| Restricted for debt service | 554 | 454 |
| Restricted for claims | 219 | 206 |
| Restricted for other purposes (Note 2) | 1,064 | 1,230 |
| Unrestricted | (28,657) | (27,937) |
| TOTAL NET POSITION | 4,451 | 3,953 |
| TOTAL LIABILITIES, DEFERRED INFLOWS OF RESOURCES AND NET POSITION | \$ 91,565 | \$ 84,698 |

See notes to the consolidated financial statements.

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(A Component Unit of the State of New York)

CONSOLIDATED STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION

YEARS ENDED DECEMBER 31, 2019 AND 2018

(\$ in millions)

| | Business-Type Activities | |
|---|---------------------------------|------------------------------|
| | December 31, 2019 | December 31, 2018 |
| OPERATING REVENUES: | | |
| Fare revenue | \$ 6,351 | \$ 6,155 |
| Vehicle toll revenue | 2,071 | 1,976 |
| Rents, freight, and other revenue | 621 | 605 |
| Total operating revenues | 9,043 | 8,736 |
| OPERATING EXPENSES: | | |
| Salaries and wages | 6,310 | 6,300 |
| Retirement and other employee benefits | 3,125 | 2,447 |
| Postemployment benefits other than pensions (Note 5) | 1,613 | 1,749 |
| Electric power | 444 | 482 |
| Fuel | 174 | 185 |
| Insurance | 1 | (29) |
| Claims | 494 | 437 |
| Paratransit service contracts | 477 | 455 |
| Maintenance and other operating contracts | 686 | 633 |
| Professional service contracts | 437 | 545 |
| Pollution remediation projects (Note 12) | 42 | 106 |
| Materials and supplies | 647 | 637 |
| Depreciation (Note 2) | 2,870 | 2,679 |
| Other | 222 | 215 |
| Total operating expenses | 17,542 | 16,841 |
| Net expenses related to asset impairment | 1 | - |
| OPERATING LOSS | (8,500) | (8,105) |
| NON-OPERATING REVENUES (EXPENSES): | | |
| Grants, appropriations and taxes: | | |
| Tax-supported subsidies — NYS: | | |
| Mass Transportation Trust Fund subsidies | 649 | 633 |
| Metropolitan Mass Transportation Operating Assistance subsidies | 1,824 | 1,687 |
| Payroll Mobility Tax subsidies | 1,820 | 1,669 |
| MTA Aid Trust Account subsidies | 313 | 296 |
| Internet sales tax subsidies | 85 | - |
| Tax-supported subsidies — NYC and Local: | | |
| Mortgage Recording Tax subsidies | 468 | 447 |
| Urban Tax subsidies | 641 | 700 |
| Mansion Tax | 74 | - |
| Other subsidies: | | |
| New York State Service Contract subsidy | - | 1 |
| Operating Assistance - 18-B program | 429 | 376 |
| Build America Bond subsidy | 89 | 90 |
| NYS/NYC Subway Action Plan | - | 508 |
| Assistance Fund | 375 | - |
| Total grants, appropriations and taxes | \$ 6,767 | \$ 6,407 |

See notes to the consolidated financial statements.

(Continued)

(A Component Unit of the State of New York)

**CONSOLIDATED STATEMENTS OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
YEARS ENDED DECEMBER 31, 2019 AND 2018**

(\$ In millions)

| | Business-Type Activities | |
|---|---------------------------------|------------------------------|
| | December 31, 2019 | December 31, 2018 |
| NON-OPERATING REVENUES (EXPENSES): | | |
| Connecticut Department of Transportation | \$ 136 | \$ 134 |
| Subsidies paid to Dutchess, Orange, and Rockland Counties | (10) | (9) |
| Interest on long-term debt (Note 2) | (1,557) | (1,460) |
| Station maintenance, operation and use assessments | 171 | 168 |
| Operating subsidies recoverable from NYC | 564 | 560 |
| Loss on disposal of subway cars | - | (125) |
| Other net non-operating expenses | (371) | (22) |
| Net non-operating revenues | <u>5,700</u> | <u>5,653</u> |
| LOSS BEFORE APPROPRIATIONS, GRANTS AND OTHER RECEIPTS EXTERNALLY RESTRICTED FOR CAPITAL PROJECTS | (2,800) | (2,452) |
| APPROPRIATIONS, GRANTS AND OTHER RECEIPTS EXTERNALLY RESTRICTED FOR CAPITAL PROJECTS | <u>3,298</u> | <u>2,302</u> |
| CHANGE IN NET POSITION | 498 | (150) |
| NET POSITION— Beginning of year | 3,953 | 5,224 |
| Restatement of beginning net position - adoption of GASB No. 75 | <u>-</u> | <u>(1,121)</u> |
| NET POSITION — End of year | <u>\$ 4,451</u> | <u>\$ 3,953</u> |

See notes to the consolidated financial statements.

(Concluded)

(A Component Unit of the State of New York)

CONSOLIDATED STATEMENTS OF CASH FLOWS

YEARS ENDED DECEMBER 31, 2019 AND 2018

(\$ In millions)

| | Business-Type Activities | |
|--|---------------------------------|------------------------------|
| | December 31, 2019 | December 31, 2018 |
| CASH FLOWS FROM OPERATING ACTIVITIES: | | |
| Passenger receipts/tolls | \$ 8,471 | \$ 8,161 |
| Rents and other receipts | 845 | 790 |
| Payroll and related fringe benefits | (10,142) | (9,609) |
| Other operating expenses | (3,523) | (3,626) |
| Net cash used by operating activities | (4,349) | (4,284) |
| CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES: | | |
| Grants, appropriations, and taxes | 7,325 | 6,937 |
| Operating subsidies from CDOT | 129 | 122 |
| Subsidies paid to Dutchess, Orange, and Rockland Counties | (9) | (9) |
| Net cash provided by noncapital financing activities | 7,445 | 7,050 |
| CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES: | | |
| MTA bond proceeds | 2,085 | 1,528 |
| MTA Bridges and Tunnels bond proceeds | 502 | 1,443 |
| MTA bonds refunded/reissued | (803) | (1,058) |
| MTA Bridges and Tunnels bonds refunded/reissued | (100) | (648) |
| MTA anticipation notes proceeds | 5,340 | 3,191 |
| MTA anticipation notes redeemed | (1,500) | (512) |
| MTA credit facility proceeds | 366 | 4 |
| MTA credit facility refunded | (365) | - |
| Grants and appropriations | 1,508 | 2,171 |
| Grants and appropriations | 664 | 2,171 |
| Payment for capital assets | (6,791) | (6,454) |
| Debt service payments | (2,966) | (2,999) |
| Net cash used by capital and related financing activities | (2,060) | (1,163) |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | |
| Purchase of long-term securities | (4,071) | (6,135) |
| Sales or maturities of long-term securities | 3,309 | 6,283 |
| Net (purchases) sales or maturities of short-term securities | (387) | 567 |
| Earnings on investments | 126 | 111 |
| Net cash (used by) / provided by investing activities | (1,023) | 826 |
| NET INCREASE IN CASH | 13 | 258 |
| CASH — Beginning of year | 541 | 283 |
| CASH — End of year | \$ 554 | \$ 541 |

See notes to the consolidated financial statements.

(Continued)

(A Component Unit of the State of New York)

CONSOLIDATED STATEMENTS OF CASH FLOWS

YEARS ENDED DECEMBER 31, 2019 AND 2018

(\$ In millions)

| | Business-Type Activities | |
|---|---------------------------------|------------------------------|
| | December 31, 2019 | December 31, 2018 |
| RECONCILIATION OF OPERATING LOSS TO NET CASH USED BY OPERATING ACTIVITIES: | | |
| Operating loss (Note 2) | \$ (8,500) | \$ (8,105) |
| Adjustments to reconcile to net cash used in operating activities: | | |
| Depreciation and amortization | 2,870 | 2,679 |
| Net increase in payables, accrued expenses, and other liabilities | 617 | 956 |
| Net increase in deferred outflows related to pensions | (645) | 647 |
| Net increase in deferred outflows related to OPEB | (16) | (1,496) |
| Net increase (decrease) in deferred inflows related to pensions | 19 | 590 |
| Net increase (decrease) in deferred inflows related to OPEB | 1,097 | 21 |
| Net increase in net pension liability and related accounts | 611 | (1,618) |
| Net increase in net OPEB liability and related accounts | (473) | 3,603 |
| Net decrease in receivables | 261 | (188) |
| Net decrease in materials and supplies and prepaid expenses | (190) | (1,373) |
| NET CASH USED BY OPERATING ACTIVITIES | \$ (4,349) | \$ (4,284) |
| NONCASH INVESTING, CAPITAL AND RELATED FINANCING ACTIVITIES: | | |
| Noncash investing activities: | | |
| Interest expense includes amortization of net (premium) / discount (Note 2) | \$ 60 | \$ 24 |
| Interest expense which was capitalized | 44 | 49 |
| Total Noncash investing activities | 104 | 73 |
| Noncash capital and related financing activities: | | |
| Capital assets related liabilities | 785 | 677 |
| Capital leases related liabilities | 452 | 447 |
| Total Noncash capital and related financing activities | 1,237 | 1,124 |
| TOTAL NONCASH INVESTING, CAPITAL AND RELATED FINANCING ACTIVITIES | \$ 1,341 | \$ 1,197 |

See notes to the consolidated financial statements.

(Concluded)

(A Component Unit of the State of New York)

**STATEMENTS OF FIDUCIARY NET POSITION
PENSION AND OTHER EMPLOYEE BENEFIT TRUST FUNDS
AS OF DECEMBER 31, 2019 AND 2018
(\$ In thousands)**

| | Fiduciary Activities | |
|---|----------------------|----------------------|
| | December 31, 2019 | December 31, 2018 |
| ASSETS: | | |
| Cash | \$ 14,499 | \$ 21,685 |
| Receivables: | | |
| Employee loans | 208,406 | 196,266 |
| Participant and union contributions | 21 | - |
| Investment securities sold | 1,140 | 730 |
| Accrued interest and dividends | 4,866 | 4,606 |
| Other receivables | 2,182 | 1,937 |
| Total receivables | <u>216,615</u> | <u>203,539</u> |
| Investments at fair value: | | |
| Investments measured at readily determined fair value | 1,692,906 | 1,368,589 |
| Investments measured at net asset value | 10,485,189 | 8,915,496 |
| Investments at contract value | 1,435,218 | 1,313,496 |
| Total investments | <u>13,613,313</u> | <u>11,597,581</u> |
| Total assets | <u>\$ 13,844,427</u> | <u>\$ 11,822,805</u> |
| LIABILITIES: | | |
| Accounts payable and accrued liabilities | \$ 6,191 | \$ 8,888 |
| Payable for investment securities purchased | 7,600 | 5,354 |
| Accrued benefits payable | 141 | 1,109 |
| Accrued postretirement death benefits (PRDB) payable | 3,360 | 2,921 |
| Accrued 55/25 Additional Members Contribution (AMC) payable | 5,787 | 5,982 |
| Other liabilities | 585 | 341 |
| Total liabilities | <u>23,664</u> | <u>24,595</u> |
| NET POSITION: | | |
| Restricted for pensions | 8,915,962 | 7,688,199 |
| Restricted for postemployment benefits other than pensions | 414,827 | 351,380 |
| Restricted for other employee benefits | 4,489,974 | 3,758,631 |
| Total net position | <u>13,820,763</u> | <u>11,798,210</u> |
| Total liabilities and net position | <u>\$ 13,844,427</u> | <u>\$ 11,822,805</u> |

See notes to the consolidated financial statements.

(A Component Unit of the State of New York)

**STATEMENT OF CHANGES IN FIDUCIARY NET POSITION
PENSION AND OTHER EMPLOYEE BENEFIT TRUST FUNDS
FOR THE YEARS ENDED DECEMBER 31, 2019 AND 2018
(\$ In thousands)**

| | Fiduciary Activities | |
|--|----------------------|-------------------|
| | December 31, 2019 | December 31, 2018 |
| ADDITIONS: | | |
| Contributions: | | |
| Employer contributions | \$ 1,278,817 | \$ 1,224,930 |
| Implicit rate subsidy contribution | 69,618 | 74,484 |
| Participant rollovers | 23,941 | 21,673 |
| Member contributions | 353,490 | 336,008 |
| Total contributions | 1,725,866 | 1,657,095 |
| Investment income: | | |
| Net appreciation / (depreciation) in fair value of investments | 1,811,423 | (464,140) |
| Dividend income | 93,262 | 110,573 |
| Interest income | 25,626 | 19,021 |
| Less: | | |
| Investment expenses | 50,970 | 92,896 |
| Investment income, net | 1,879,341 | (427,442) |
| Other additions: | | |
| Loan repayments - interest | 8,979 | 7,529 |
| Total additions | 3,614,186 | 1,237,182 |
| DEDUCTIONS: | | |
| Benefit payments and withdrawals | 1,303,892 | 1,232,179 |
| Implicit rate subsidy payments | 69,618 | 74,484 |
| Transfer to other plans | 98,556 | 93,387 |
| Distribution to participants | 107,396 | 87,379 |
| Administrative expenses | 5,382 | 5,305 |
| Other deductions | 6,789 | 5,410 |
| Total deductions | 1,591,633 | 1,498,144 |
| Net increase / (decrease) in fiduciary net position | 2,022,553 | (260,962) |
| NET POSITION: | | |
| Restricted for Benefits: | | |
| Beginning of year | 11,798,210 | 12,059,172 |
| End of year | \$ 13,820,763 | \$ 11,798,210 |

See notes to the consolidated financial statements.

(A Component Unit of the State of New York)

**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS
FOR THE YEARS ENDED DECEMBER 31, 2019 AND 2018**

(\$ In millions, except as noted)

1. BASIS OF PRESENTATION

Reporting Entity — The Metropolitan Transportation Authority (“MTA”) was established in 1965, under Section 1263 of the New York Public Authorities Law, and is a public benefit corporation and a component unit of the State of New York (“NYS”) whose mission is to continue, develop and improve public transportation and to develop and implement a unified public transportation policy in the New York metropolitan area.

These consolidated financial statements are of the Metropolitan Transportation Authority (“MTA”), including its related groups (collectively, the “MTA Group”), which are listed below. The Business-Type activities in these consolidated financial statements purport the operations of the MTA Group.

Metropolitan Transportation Authority and Related Groups (Component Units)

- Metropolitan Transportation Authority Headquarters (“MTAHQ”) provides support in budget, cash management, finance, legal, real estate, treasury, risk and insurance management, and other services to the related groups listed below.
- The Long Island Rail Road Company (“MTA Long Island Rail Road”) provides passenger transportation between New York City (“NYC”) and Long Island.
- Metro-North Commuter Railroad Company (“MTA Metro-North Railroad”) provides passenger transportation between NYC and the suburban communities in Westchester, Dutchess, Putnam, Orange, and Rockland counties in NYS and New Haven and Fairfield counties in Connecticut.
- Staten Island Rapid Transit Operating Authority (“MTA Staten Island Railway”) provides passenger transportation on Staten Island.
- First Mutual Transportation Assurance Company (“FMTAC”) provides primary insurance coverage for certain losses, some of which are reinsured, and assumes reinsurance coverage for certain other losses.
- MTA Construction and Development (“MTA Capital Construction”) provides oversight for the planning, design and construction of current and future major MTA system-wide expansion projects.
- MTA Bus Company (“MTA Bus”) operates certain bus routes in areas previously served by private bus operators pursuant to franchises granted by the City of New York.
- MTAHQ, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Staten Island Railway, FMTAC, MTA Capital Construction, and MTA Bus, collectively are referred to herein as MTA. MTA Long Island Rail Road and MTA Metro-North Railroad are referred to collectively as the Commuter Railroads.
- New York City Transit Authority (“MTA New York City Transit”) and its subsidiary, Manhattan and Bronx Surface Transit Operating Authority (“MaBSTOA”), provide subway and public bus service within the five boroughs of New York City.
- Triborough Bridge and Tunnel Authority (“MTA Bridges and Tunnels”) operates seven toll bridges, two tunnels, and the Battery Parking Garage, all within the five boroughs of New York City.

The subsidiaries and affiliates, considered component units of the MTA, are operationally and legally independent of the MTA. These related groups enjoy certain rights typically associated with separate legal status including, in some cases, the ability to issue debt. However, they are included in the MTA’s consolidated financial statements as blended component units because of the MTA’s financial accountability for these entities and they are under the direction of the MTA Board (a reference to “MTA Board” means the board of MTAHQ and/or the boards of the other MTA Group entities that apply in the specific context, all of which are comprised of the same persons). Under accounting principles generally accepted in the United States of America (“GAAP”), the MTA is required to include these related groups in its financial statements. While certain units are separate legal entities, they do not have legal capital requirements and the revenues of all of the related groups of the MTA are used to support the organizations as a whole. The components do not constitute a separate accounting entity (fund) since there is no legal requirement to account for the activities of the components as discrete accounting entities. Therefore, the MTA financial statements are presented on a consolidated basis with segment disclosure for each distinct operating activity. All of the component units publish separate annual financial statements, which are available by writing to the MTA Comptroller, 2 Broadway, 16th Floor, New York, New York 10004.

Although the MTA Group collects fares for the transit and commuter service, they provide and receive revenues from other sources, such as the leasing out of real property assets, and the licensing of advertising. Such revenues, including forecast-increased revenues from fare increases, are not sufficient to cover all operating expenses associated with such services. Therefore, to maintain a balanced budget, the members of the MTA Group providing transit and commuter service rely on operating surpluses transferred from MTA Bridges and Tunnels, operating subsidies provided by NYS and certain local governmental entities in the MTA commuter district, and service reimbursements from certain local governmental entities in the MTA commuter district and from the State of Connecticut. Non-operating subsidies to the MTA Group for transit and commuter service for the year ended December 31, 2019 and 2018 totaled \$6.8 billion and \$6.4 billion, respectively.

Basis of Presentation - Fiduciary Funds – The fiduciary fund financial statements provide information about the funds that are used to report resources held in trust for retirees and beneficiaries covered by pension plans and other employee benefit trust funds of the MTA. Separate financial statements are presented for the fiduciary funds.

The following MTA fiduciary component units comprise the fiduciary activities of the MTA and are categorized within Pension and Other Employee Benefit Trust Funds.

- Pension Trust Funds
 - MTA Defined Benefit Plan
 - The Long Island Railroad Company Plan for Additional Pensions (“Additional Plan”)
 - Manhattan and Bronx Surface Transit Operating Authority (“MaBSTOA Plan”)
 - Metro-North Commuter Railroad Company Cash Balance Plan (“MNR Cash Balance Plan”)
- Other Employee Benefit Trust Funds
 - MTA Other Postemployment Benefits Plan (“OPEB” Plan)
 - Thrift Plan for Employees of the MTA, its Subsidiaries and Affiliates (“401(k) Plan”)

These fiduciary statements of the fiduciary funds are prepared using the accrual basis of accounting and a measurement focus on the periodic determination of additions, deductions, and net position restricted for benefits.

2. SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting — The accompanying consolidated financial statements are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America.

The MTA applies Governmental Accounting Standards Board (“GASB”) Codification of Governmental Accounting and Financial Reporting Standards (“GASB Codification”) Section P80, Proprietary Accounting and Financial Reporting.

New Accounting Standards —The MTA adopted the following GASB Statements for the year ended December 31, 2019:

GASB Statement No. 83, *Certain Asset Retirement Obligations*, establishes accounting and financial reporting standards for certain asset retirement obligations (“AROs”). An ARO is a legally enforceable liability associated with the retirement of a tangible capital asset that is permanently removed from service. This Statement requires that a liability must be recognized when incurred and reasonably estimated. The determination of when a liability is incurred should be based on the occurrence of external laws, regulations, contracts, or court judgments, together with the occurrence of an internal event that obligates a government to perform asset retirement activities. The requirements of this Statement are effective for reporting periods beginning after June 15, 2018. The adoption of this Statement had no material impact on the MTA’s financial statements.

GASB Statement No. 84, *Fiduciary Activities*, improves guidance regarding the identification of fiduciary activities for accounting and financial reporting purposes and how those activities should be reported. The requirements of GASB Statement No. 84 are effective for reporting periods beginning after December 15, 2018. In adopting this Statement, MTA evaluated which Pension Funds and Other Employee Benefit Trust Funds met the criteria as a fiduciary component unit. The MTA adopted this statement effective January 1, 2018. The financial information of those fiduciary funds are included within the fiduciary fund financial statements and supplementary information presented within these financial statements.

GASB Statement No. 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements*, requires that additional information be disclosed in the notes to financial statements related to direct borrowings and direct placements. It also clarifies which liabilities should be included when disclosing information related to debt. The Statement requires that additional information related to debt be disclosed in the notes to the financial statements, including unused lines of credit; assets pledged as collateral for the debt; and terms specified in debt agreements related to significant events of default with finance-related consequences; significant termination events with finance-related consequences; and significant subjective

acceleration clauses. GASB Statement No. 88 is effective for reporting periods beginning after June 15, 2018. The adoption of this Statement did not have a material impact to the MTA's note disclosures.

GASB Statement No. 90, *Majority Equity Interest- an Amendment of GASB Statements No. 14 and No. 61*, improves consistency in the measurement and comparability of the financial statement presentation of majority equity interests in legally separate organizations and improves the relevance of financial statement information for certain component units. The Statement defines a majority equity interest and specifies that a majority equity interest in a legally separate organization should be reported as an investment if a government's holding of the equity interest meets the definition of an investment. The Statement also establishes that ownership of a majority equity interest in a legally separate organization results in the government being financially accountable for the legally separate organization and, therefore, the government should report that organization as a component unit. In addition, the Statement also requires that a component unit in which a government has a 100 percent equity interest account for its assets, deferred outflows of resources, liabilities and deferred inflows of resources at acquisition value. GASB Statement No. 90 is effective for reporting periods beginning after December 15, 2018. The adoption of this Statement did not have a material impact to the MTA's financial statements.

GASB Statement No. 95, *Postponement of the Effective Dates of Certain Authoritative Guidance*, provides temporary relief to government and other stakeholders in light of the COVID-19 pandemic. This objective is accomplished by postponing the effective dates of certain accounting and financial reporting provisions in Statements and Implementation Guides that first became effective or are scheduled to become effective for periods beginning after June 15, 2018 and later. GASB Statement No. 95 is effective immediately. The adoption of this Statement did not have a material impact to the MTA's financial statements. However, the MTA did update the required year of adoption for GASB Statements No. 87, 89, 91, 92 and 93. Refer to Accounting Standards Issued but Not Yet Adopted for further details.

Accounting Standards Issued but Not Yet Adopted

GASB has issued the following pronouncements that may affect the future financial position, results of operations, cash flows, or financial presentation of the MTA upon implementation. Management has not yet evaluated the effect of implementation of these standards.

| GASB Statement No. | GASB Accounting Standard | MTA Required Year of Adoption |
|-----------------------|--|----------------------------------|
| 87 | <i>Leases</i> | 2022 |
| 89 | <i>Accounting for Interest Cost Incurred Before the End of a Construction Period</i> | 2021 |
| 91 | <i>Conduit Debt Obligations 2021</i> | 2022 |
| 92 | <i>Omnibus 2020</i> | 2022 |
| 93 | <i>Replacement of Interbank Offered Rates</i> | 2022 |
| 94 | <i>Public-Private and Public-Public Partnerships and Availability Payment Arrangements</i> | 2023 |

Use of Management Estimates — The preparation of the consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the consolidated financial statements, and the reported amounts of revenues and expenses during the reporting period. Significant estimates include the fair value of investments, allowances for doubtful accounts, valuation of derivative instruments, arbitrage rebate liability, accrued expenses and other liabilities, depreciable lives of capital assets, estimated liability arising from injuries to persons, pension benefits and other postemployment benefits. Actual results could differ significantly from those estimates.

Principles of Consolidation — The consolidated financial statements consist of MTAHQ, MTA Long Island Rail Road, MTA Metro-North Railroad, MTA Staten Island Railway, FMTAC, MTA Bus, MTA Capital Construction, MTA New York City Transit (including its subsidiary MaBSTOA), and MTA Bridges and Tunnels for years presented in the financial statements. All related group transactions have been eliminated for consolidation purposes.

Net Position – Restricted for Other Purposes – This category is classified within net position and includes net investments restricted for capital leases and MTA Bridges and Tunnels necessary reconstruction reserve.

Investments — The MTA Group's investment policies comply with the New York State Comptroller's guidelines for such operating and capital policies. Those policies permit investments in, among others, obligations of the U.S. Treasury, its agencies and instrumentalities, and repurchase agreements secured by such obligations. FMTAC's investment policies comply with New York State Comptroller guidelines and New York State Department of Insurance guidelines.

Investments expected to be utilized within a year of December 31st have been classified as current assets in the consolidated financial statements.

In accordance with the provisions of GASB Statement No. 72, *Fair Value Measurement and Application*, investments are recorded on the consolidated statement of net position at fair value, except for commercial paper, certificates of deposit, and repurchase agreements, which are recorded at amortized cost or contract value. All investment income, including changes in the fair value of investments, is reported as revenue on the consolidated statement of revenues, expenses and changes in net position. Fair values have been determined using quoted market values at December 31, 2019 and 2018.

Investment derivative contracts are reported at fair value using the income approach.

Materials and Supplies — Materials and supplies are valued at average cost, net of obsolescence reserve at December 31, 2019 and 2018 of \$184 and \$171, respectively.

Prepaid Expenses and Other Current Assets — Prepaid expenses and other current assets reflect advance payment of insurance premiums as well as farecard media related with ticket machines, WebTickets and AirTrain tickets.

Capital Assets — Properties and equipment are carried at cost and are depreciated on a straight-line basis over their estimated useful lives. Expenses for maintenance and repairs are charged to operations as incurred. Capital assets and improvements include all land, buildings, equipment, and infrastructure of the MTA having a minimum useful life of two years and having a cost of more than \$25 thousand. Capital assets are stated at historical cost, or at estimated historical cost based on appraisals, or on other acceptable methods when historical cost is not available. Capital leases are classified as capital assets in amounts equal to the lesser of the fair market value or the present value of net minimum lease payments at the inception of the lease. Accumulated depreciation and amortization are reported as reductions of capital assets. Depreciation is computed using the straight-line method based upon estimated useful lives of 25 to 50 years for buildings, 2 to 40 years for equipment, and 25 to 100 years for infrastructure. Capital lease assets and leasehold improvements are amortized over the term of the lease or the life of the asset whichever is less.

Pollution remediation projects — Pollution remediation costs have been expensed in accordance with the provisions of GASB Statement No. 49, *Accounting and Financial Reporting for Pollution Remediation Obligations* (See Note 12). An operating expense provision and corresponding liability measured at current value using the expected cash flow method has been recognized for certain pollution remediation obligations, which previously may not have been required to be recognized, have been recognized earlier than in the past or are no longer able to be capitalized as a component of a capital project. Pollution remediation obligations occur when any one of the following obligating events takes place: the MTA is in violation of a pollution prevention-related permit or license; an imminent threat to public health due to pollution exists; the MTA is named by a regulator as a responsible or potentially responsible party to participate in remediation; the MTA voluntarily commences or legally obligates itself to commence remediation efforts; or the MTA is named or there is evidence to indicate that it will be named in a lawsuit that compels participation in remediation activities.

Operating Revenues — Passenger Revenue and Tolls — Revenues from the sale of tickets, tokens, electronic toll collection system, and farecards are recognized as income when tickets or farecards are used. Tickets are assumed to be used in the month of purchase, with the exception of advance purchases of monthly and weekly tickets. When the farecards expire, revenue is recorded for the unused value of the farecards.

MTA Bridges and Tunnel has two toll rebate programs at the Verrazano-Narrows Bridge: the Staten Island Resident (“SIR”) Rebate Program, available for residents of Staten Island participating in the SIR E-ZPass toll discount plan, and the Verrazano-Narrows Bridge Commercial Rebate Program (“VNB Commercial Rebate Program”), available for commercial vehicles making more than ten trips per month using the same New York Customer Service Center (“NYCSC”) E-ZPass account. The VNB Commercial Rebate Program and SIR Rebate Program are funded by the State and MTA.

Capital Financing — The MTA has ongoing programs on behalf of its subsidiaries and affiliates, subject to approval by the New York State Metropolitan Transportation Authority Capital Program Review Board (the “State Review Board”), which are intended to improve public transportation in the New York Metropolitan area.

The federal government has a contingent equity interest in assets acquired by the MTA with federal funds and upon disposal of such assets, the federal government may have a right to its share of the proceeds from the sale. This provision has not been a substantial impediment to the MTA’s operations.

Non-operating Revenues

Operating Assistance — The MTA Group receives, subject to annual appropriation, NYS operating assistance funds that are recognized as revenue after the NYS budget is approved and adopted. Generally, funds received under the NYS operating assistance program are fully matched by contributions from NYC and the seven other counties within the MTA’s service area.

Mortgage Recording Taxes (“MRT”) — Under NYS law, the MTA receives capital and operating assistance through a Mortgage Recording Tax (“MRT-1”). MRT-1 is collected by NYC and the seven other counties within the MTA’s service area, at the rate of 0.25% of the debt secured by certain real estate mortgages. Effective September 2005, the rate was increased from 25 cents per 100 dollars of recorded mortgage to 30 cents per 100 dollars of recorded mortgage. The MTA also receives an additional Mortgage Recording Tax (“MRT-2”) of 0.25% of certain mortgages secured by real estate improved or to

be improved by structures containing one to nine dwelling units in the MTA's service area. MRT-1 and MRT-2 taxes are recognized as revenue based upon reported amounts of taxes collected.

- MRT-1 proceeds are initially used to pay MTAHQ's operating expenses. Remaining funds, if any, are allocated 55% to certain transit operations and 45% to the commuter railroads operations. The commuter railroad portion is first used to fund the NYS Suburban Highway Transportation Fund in an amount not to exceed \$20 annually (subject to the monies being returned under the conditions set forth in the governing statute if the Commuter Railroads are operating at a deficit).
- The first \$5 of the MRT-2 proceeds is transferred to the MTA Dutchess, Orange, and Rockland ("DOR") Fund (\$1.5 each for Dutchess and Orange Counties and \$2 for Rockland County). Additionally, the MTA must transfer to each County's fund an amount equal to the product of (i) the percentage by which each respective County's mortgage recording tax payments (both MRT-1 and MRT-2) to the MTA increased over such payments in 1989 and (ii) the base amount received by each county as described above. The counties do not receive any portion of the September 1, 2005 increase in MRT-1 from 25 cents per \$100 of recorded mortgage to 30 cents. As of December 31, 2019, the MTA paid to Dutchess, Orange and Rockland Counties the 2018 excess amounts of MRT-1 and MRT-2 totaling \$4.4.
- In addition, MTA New York City Transit receives operating assistance directly from NYC through a mortgage recording tax at the rate of 0.625% of the debt secured by certain real estate mortgages and through a property transfer tax at the rate of one percent of the assessed value (collectively referred to as "Urban Tax Subsidies") of certain properties.

Mobility Tax — In June of 2009, Chapter 25 of the NYS Laws of 2009 added Article 23, which establishes the Metropolitan Commuter Transportation Mobility Tax ("MCTMT"). The proceeds of this tax, administered by the New York State Tax Department, are to be distributed to the Metropolitan Transportation Authority. This tax is imposed on certain employers and self-employed individuals engaging in business within the metropolitan commuter transportation district which includes New York City, and the counties of Rockland, Nassau, Suffolk, Orange, Putnam, Dutchess, and Westchester. This Tax is imposed on certain employers that have payroll expenses within the Metropolitan Commuter Transportation District, to pay at a rate of 0.34% of an employer's payroll expenses for all covered employees for each calendar quarter. The employer is prohibited from deducting from wages or compensation of an employee any amount that represents all or any portion of the MCTMT. The effective date of this tax was March 1, 2009 for employers other than public school district; September 1, 2009 for Public school districts and January 1, 2009 for individuals.

Supplemental Aid — In 2009, several amendments to the existing tax law provided the MTA supplemental revenues to be deposited into the AID Trust Account of the Metropolitan Transportation Authority Financial Assistance Fund established pursuant to Section 92 of the State Finance law. These supplemental revenues relate to: 1) supplemental learner permit/license fee in the Metropolitan Commuter Transportation District, 2) supplemental registration fee, 3) supplemental tax on every taxicab owner per taxicab ride on every ride that originated in the City of New York and terminates anywhere within the territorial boundaries of the Metropolitan Commuter Transportation District, and 4) supplemental tax on passenger car rental. This Supplemental Aid Tax is provided to the MTA in conjunction with the Mobility Tax.

Dedicated Taxes — Under NYS law, subject to annual appropriation, the MTA receives operating assistance through a portion of the Dedicated Mass Transportation Trust Fund ("MTTF") and Metropolitan Mass Transportation Operating Assistance Fund ("MMTOA"). The MTTF receipts consist of a portion of the revenues derived from certain business privilege taxes imposed by the State on petroleum businesses, a portion of the motor fuel tax on gasoline and diesel fuel, and a portion of certain motor vehicle fees, including registration and non-registration fees. Effective October 1, 2005, the State increased the amount of motor vehicle fees deposited into the MTTF for the benefit of the MTA. MTTF receipts are applied first to meet certain debt service requirements or obligations and second to the Transit System (defined as MTA New York City Transit and MaBSTOA), MTA Staten Island Railway and the Commuter Railroads to pay operating and capital costs. The MMTOA receipts are comprised of 0.375% regional sales tax, regional franchise tax surcharge, a portion of taxes on certain transportation and transmission companies, and an additional portion of the business privilege tax imposed on petroleum businesses. MMTOA receipts, to the extent that MTTF receipts are not sufficient to meet debt service requirements, will also be applied to certain debt service obligations, and secondly to operating and capital costs of the Transit System, and the Commuter Railroads.

The State Legislature enacts in an annual budget bill for each state fiscal year an appropriation to the MTA Dedicated Tax Fund for the then-current state fiscal year and an appropriation of the amounts projected by the Director of the Budget of the State to be deposited in the MTA Dedicated Tax Fund for the next succeeding state fiscal year. The assistance deposited into the MTTF is required by law to be allocated, after provision for debt service on Dedicated Tax Fund Bonds (See Note 7), 85% to certain transit operations (not including MTA Bus) and 15% to the commuter railroads operations. Revenues from this funding source are recognized based upon amounts of tax reported as collected by NYS, to the extent of the appropriation.

Build America Bond Subsidy — The MTA is receiving cash subsidy payments from the United States Treasury equal to 35% of the interest payable on the Series of Bonds issued as "Build America Bonds" and authorized by the Recovery Act. The Internal Revenue Code of 1986 imposes requirements that MTA must meet and continue to meet after the issuance in order to receive the cash subsidy payments. The interest on these bonds is fully subject to Federal income taxation to the bondholder.

Congestion Zone Surcharges – In April 2018, the approved 2018-2019 New York State Budget enacted legislation that provided additional sources of revenue, in the form of surcharges and fines, as defined by Article 29-C, Chapter 59 of the Tax Law, to address the financial needs of the MTA. Beginning on January 1, 2019, the legislation imposed the following:

- A surcharge of \$2.75 on for-hire transportation trips provided by motor vehicles carrying passengers for hire (or \$2.50 in the case of taxicabs that are subject to the \$0.50 cents tax on hailed trips that are part of the MTA Aid Trust Account Receipts), other than pool vehicles, ambulance and buses, on each trip that (1) originates and terminates south of and excluding 96th Street in the City of New York, in the Borough of Manhattan (the “Congestion Zone”), (2) originates anywhere in NYS and terminates within the Congestion Zone, (3) originates in the Congestion Zone and terminates anywhere in NYS, or (4) originates anywhere in NYS, enters into the Congestion Zone while in transit, and terminates anywhere in NYS.
- A surcharge of \$0.75 cents for each person who both enters and exits a pool vehicle in NYS and who is picked up in, dropped off in, or travels through the Congestion Zone.

The Congestion Zone Surcharges do not apply to transportation services administered by or on behalf of MTA, including paratransit services.

The April 2018 legislation also created the New York City Transportation Assistance Fund, held by MTA. The fund consists of the three sub-accounts, the Subway Action Plan Account, the Outer Borough Transportation Account and the General Transportation Account.

- **Subway Action Plan Account** – Funds in this account may be used exclusively for funding the operating and capital costs, and debt service associated with the Subway Action Plan.
- **Outer Borough Transportation Account** - Funds in this account may be used exclusively for funding (1) the operating and capital costs of, and debt service associated with, the MTA facilities, equipment and services in the counties of Bronx, Kings, Queens and Richmond, and any projects improving transportation connections from such counties to Manhattan, or (2) a toll reduction program for any crossing under the jurisdiction of MTA or MTA Bridges and Tunnels.
- **General Transportation Account** - Funds in this account may be used exclusively for funding the operating and capital costs of MTA. In each case, funds may be used for various operations and capital needs or for debt service and reserve requirements.

NYS/NYC Subway Action Plan — In April 2018, the approved 2018-2019 New York State Budget committed both New York State (“NYS”) and New York City (“NYC”) to equally cover the costs of the 2017-2018 Subway Action Plan (“SAP”), which was launched at the direction of Governor Andrew Cuomo in July 2017 to take extraordinary measures to stabilize and improve the more than 100-year old New York City subway system. The SAP includes a comprehensive \$836 investment to address system failures, breakdowns, delays and deteriorating customer service, and position the New York City subway system for future modernization. The SAP provided the MTA with funds already used to advance the SAP, as well as additional operating and capital funding to cover the cost of the remaining SAP through the end of 2018. The MTA started receiving the SAP funding in April 2018 and received the full funding by the end of 2018.

Dedicated Revenues - In April 2019, the approved 2019-2020 New York State Budget enacted legislation that included new, dedicated revenue streams for the MTA. The additional sources of revenue include a Central Business District Tolling Program, which has an implementation date of December 31, 2020. The Central Business District Tolling Program will assess a toll for vehicles entering the Central Business District, defined as south of 60th Street in Manhattan, but will exclude vehicles traveling on the FDR Drive or the West Side Highway, which includes the Battery Park underpass and or any surface roadway portion of the Hugh L. Carey Tunnel that connects to West Street.

The enacted State Budget also included provisions for a new Real Property Transfer Tax Surcharge (referred to as the “Mansion Tax”) on high-priced residential property sales in New York City and an Internet Marketplace Sales Tax. The Mansion Tax went into effect on July 1, 2019 and increases the transfer tax on a sliding scale by a quarter percent starting at \$2, with a combined top rate of 4.15%, on the sale of New York City residential properties valued at \$25 or above. The Internet Marketplace Sales Tax went into effect on June 1, 2019 and requires internet marketplace providers to collect and remit sales tax from out of state retailers on their sites that have gross receipts exceeding \$300,000 (dollars) and delivering more than one hundred sales into New York State in the previous four quarters. The sales tax will be collected at the normal rate of 4% plus local sales tax.

The proceeds from the Central Business District Tolling Program, the Internet Marketplace Sales Tax and the Real Property Transfer Tax Surcharge will be deposited into the MTA’s Central Business District Tolling Program capital lock box and may only be used to support financing of the 2020-2024 Capital Program.

Operating Subsidies Recoverable from Connecticut Department of Transportation (“CDOT”) — A portion of the deficit from operations relating to MTA Metro-North Railroad’s New Haven line is recoverable from CDOT. Under the terms of a renewed Service Agreement, which began on January 1, 2015, and the 1998 resolution of an arbitration proceeding initiated

by the State of Connecticut, CDOT pays 100.0% of the net operating deficit of MTA Metro-North Railroad's branch lines in Connecticut (New Canaan, Danbury, and Waterbury), 65.0% of the New Haven mainline operating deficit, and 54.3% of the Grand Central Terminal ("GCT") operating deficit. The New Haven line's share of the net operating deficit for the use of GCT is comprised of a fixed fee, calculated using several years as a base, with annual increases for inflation, and the actual cost of operating GCT's North End Access beginning in 1999. The Service Agreement also provides that CDOT pay 100% of the cost of non-movable capital assets located in Connecticut, 100% of movable capital assets to be used primarily on the branch lines and 65% of the cost of other movable capital assets allocated to the New Haven line. Remaining funding for New Haven line capital assets is provided by the MTA. The Service Agreement provides for automatic five-year renewals unless a notice of termination has been provided. The Service Agreement has been automatically extended for an additional five years beginning January 1, 2015 subject to the right of CDOT or MTA to terminate the agreement on eighteen month's written notice. Capital assets completely funded by CDOT are not reflected in these financial statements, as ownership is retained by CDOT. The Service Agreement provides that final billings for each year be subject to audit by CDOT. The audits of 2016 and 2017 billings are still open.

Reimbursement of Expenses — The cost of operating and maintaining the passenger stations of the Commuter Railroads in NYS is assessable by the MTA to NYC and the other counties in which such stations are located for each NYS fiscal year ending December 31, under provisions of the NYS Public Authorities Law. This funding is recognized as revenue based upon an amount, fixed by statute, for the costs to operate and maintain passenger stations and is revised annually by the increase or decrease of the regional Consumer Price Index.

In 1995, The City ceased reimbursing the Authority for the full costs of the free/reduced fare program for students. Beginning in 1996, the State and The City each began paying \$45 per annum to the Authority toward the cost of the program. In 2009, the State reduced their \$45 reimbursement to \$6.3. Beginning in 2010, the State increased their annual commitment to \$25.3 while The City's annual commitment remained at \$45. These commitments have been met by both the State and The City for both 2018 and 2019. For the year ended December 31, 2019, the Authority received \$115.3 from the State and City combined, which includes \$15.0 due from The City for the year 2018 and \$30.0 prepaid for the year 2020.

Prior to April 1995, New York City was obligated to reimburse MTA New York City Transit for the transit police force. As a result of the April 1995 merger of the transit police force into the New York City Police Department, New York City no longer reimburses MTA New York City Transit for the costs of policing the Transit System on an ongoing basis since policing of the Transit System is being carried out by the New York City Police Department at New York City's expense. MTA New York City Transit continues to be responsible for certain capital costs and support services related to such police activities, a portion of which is reimbursed by New York City. MTA New York City Transit received approximately \$4.1 and \$3.6 for the years ended December 31, 2019 and 2018, respectively, from New York City for the reimbursement of transit police costs.

MTAHQ bills MTA Metro-North Railroad through its consolidated services for MTA police costs in the New Haven line of which MTA Metro-North Railroad recovers approximately 65% from Connecticut Department of Transportation. The amounts billed for the years ended December 31, 2019 and 2018 were \$23.0 and \$22.7, respectively. The amounts recovered for the years ended December 31, 2019 and 2018 were approximately \$15.0 and \$14.8, respectively.

Federal law and regulations require a paratransit system for passengers who are not able to ride the buses and trains because of their disabilities. Pursuant to an agreement between New York City and the MTA, MTA New York City Transit, effective July 1, 1993, assumed operating responsibility for all paratransit service required by the Americans with Disability Act of 1990. Services are provided by private vendors under contract with MTA New York City Transit. New York City reimburses MTA New York City Transit for the lesser of 33% of net paratransit operating expenses defined as labor, transportation, and administrative costs less fare revenues and 6% of gross urban tax proceeds as described above or, an amount that is 20% greater than the amount paid by New York City for the preceding calendar year. Fare revenues and New York City reimbursement aggregated approximately \$236.8 in the year ended December 31, 2019, and \$217.3 in the year ended December 31, 2018. Total paratransit expenses, including paratransit service contracts, were \$596.0 and \$537.1 in 2019 and 2018, respectively.

Grants and Appropriations — Grants and appropriations for capital projects are recorded when requests are submitted to the funding agencies for reimbursement of capital expenditures meeting eligibility requirements. These amounts are reported separately after Net Non-operating Revenues in the Statements of Revenues, Expenses, and Changes in Net Position.

Operating and Non-operating Expenses — Operating and non-operating expenses are recognized in the accounting period in which the liability is incurred. All expenses related to operating the MTA (e.g. salaries, insurance, depreciation, etc.) are reported as operating expenses. All other expenses (e.g. interest on long-term debt, subsidies paid to counties, etc.) are reported as non-operating expenses.

Liability Insurance — FMTAC, an insurance captive subsidiary of MTA, operates a liability insurance program ("ELF") that insures certain claims in excess of the self-insured retention limits of the agencies on both a retrospective (claims arising from incidents that occurred before October 31, 2003) and prospective (claims arising from incidents that occurred on or after October 31, 2003) basis. For claims arising from incidents that occurred on or after November 1, 2006, but before

November 1, 2009, the self-insured retention limits are: \$8 for MTA New York City Transit, MaBSTOA, MTA Bus, MTA Long Island Rail Road, and MTA Metro-North Railroad; \$2.3 for MTA Long Island Bus and MTA Staten Island Railway; and \$1.6 for MTAHQ and MTA Bridges and Tunnels. For claims arising from incidents that occurred on or after November 1, 2009, but before November 1, 2012, the self-insured retention limits are: \$9 for MTA New York City Transit, MaBSTOA, MTA Bus, MTA Long Island Rail Road and MTA Metro-North Railroad; \$2.6 for MTA Long Island Bus and MTA Staten Island Railway; and \$1.9 for MTAHQ and MTA Bridges and Tunnels. Effective November 1, 2012, the self-insured retention limits for ELF were increased to the following amounts: \$10 for MTA New York City Transit, MaBSTOA, MTA Bus, MTA Long Island Rail Road and MTA Metro-North Railroad; \$3 for MTA Staten Island Railway; and \$2.6 for MTAHQ and MTA Bridges and Tunnels. Effective October 31, 2015, the self-insured retention limits for ELF were increased to the following amounts: \$11 for MTA New York City Transit, MaBSTOA, MTA Bus, MTA Long Island Rail Road and MTA Metro-North Railroad; \$3.2 for MTA Staten Island Railway, MTAHQ and MTA Bridges and Tunnels. The maximum amount of claims arising out of any one occurrence is the total assets of the program available for claims, but in no event greater than \$50. The retrospective portion contains the same insurance agreements, participant retentions, and limits as existed under the ELF program for occurrences happening on or before October 30, 2003. On a prospective basis, FMTAC issues insurance policies indemnifying the other MTA Group entities above their specifically assigned self-insured retention with a limit of \$50 per occurrence with a \$50 annual aggregate. FMTAC charges appropriate annual premiums based on loss experience and exposure analysis to maintain the fiscal viability of the program. On December 31, 2019, the balance of the assets in this program was \$164.1.

MTA also maintains an All-Agency Excess Liability Insurance Policy that affords the MTA Group additional coverage limits of \$350 for a total limit of \$400 (\$350 excess of \$50). In certain circumstances, when the assets in the program described in the preceding paragraph are exhausted due to payment of claims, the All-Agency Excess Liability Insurance will assume the coverage position of \$50.

On March 1, 2019, the “non-revenue fleet” automobile liability policy program was renewed. This program provides third-party auto liability insurance protection for the MTA Group with the exception of MTA New York City Transit, MTA Bus and MTA Bridges and Tunnels. The policy provides \$11 per occurrence limit with a \$0.5 per occurrence deductible for MTA Long Island Rail Road, MTA Staten Island Railway, MTA Police, MTA Metro-North Railroad, MTA Inspector General and MTA Headquarters. FMTAC renewed its deductible buy back policy, where it assumes the liability of the agencies for their deductible.

On March 1, 2019, the “Access-A-Ride” automobile liability policy program was renewed. This program provides third-party auto liability insurance protection for the MTA New York City Transit’s Access-A-Ride program, including the contracted operators. This policy provides a \$2 per occurrence limit with an excess of a \$1 self-insured retention.

On December 15, 2019, FMTAC renewed the primary coverage on the Station Liability and Force Account liability policies \$11 per occurrence loss for MTA Metro-North Railroad and MTA Long Island Rail Road.

Property Insurance — Effective May 1, 2019, FMTAC renewed the all-agency property insurance program. For the annual period commencing May 1, 2019, FMTAC directly insures property damage claims of the Related Entities in excess of a \$25 per occurrence deductible, subject to an annual \$75 aggregate deductible. The total All Risk program annual limit is \$575 per occurrence and in the annual aggregate for Flood and Earthquake covering property of the Related Entities collectively. FMTAC is reinsured in the domestic, Asian, London, European and Bermuda reinsurance markets for this coverage. Losses occurring after exhaustion of the deductible aggregate are subject to a deductible of \$7.5 per occurrence. The property insurance policy provides replacement cost coverage for all risks (including Earthquake, Flood and Wind) of direct physical loss or damage to all real and personal property, with minor exceptions. The policy also provides extra expense and business interruption coverage.

Supplementing the \$575 per occurrence noted above, FMTAC’s property insurance program has been expanded to include a further layer of \$125 of fully collateralized earthquake coverage for an event of a certain index value and for storm surge coverage for losses from storm surges that surpass specified trigger levels in the New York Harbor or Long Island Sound and are associated with named storms that occur at any point in the three year period from May 23, 2017 to April 30, 2020. The expanded protection is reinsured by MetroCat Re Ltd. 2017-1, a Bermuda special purpose insurer independent from the MTA and formed to provide FMTAC with capital markets based property reinsurance. The MetroCat Re Ltd. 2017-1 reinsurance policy is fully collateralized by a Regulation 114 trust invested in U.S. Treasury Money Market Funds. The additional coverage provided is parametric and available for storm surge losses resulting from a storm that causes water levels that reach the specified index values, and also for an earthquake event of a certain index value.

With respect to acts of terrorism, FMTAC provides direct coverage that is reinsured by the United States Government for 81% of “certified” losses in 2019 and 80% of “certified” losses in 2020, as covered by the Terrorism Risk Insurance Program Reauthorization Act (“TRIPRA”) of 2015. The remaining 19% (2019) and 20% (2020) of the Related Entities’ losses arising from an act of terrorism would be covered under the additional terrorism policy described below. No federal compensation will be paid unless the aggregate industry insured losses exceed a trigger of \$180 in 2019 and \$200 in 2020. In December 2019, the United States government’s reinsurance was extended until December 31, 2027.

To supplement the reinsurance to FMTAC through the TRIPRA, MTA obtained an additional commercial reinsurance policy with various reinsurance carriers in the domestic, London and European marketplaces. That policy provides coverage for (1) 19% of any “certified” act of terrorism up to a maximum recovery of \$204.3 for any one occurrence and in the annual aggregate during 2019 and 20% of any “certified” act of terrorism up to a maximum recovery of \$215 for any one occurrence and in the annual aggregate during 2020 (2) the TRIPRA FMTAC captive deductible (per occurrence and on an aggregated basis) that applies when recovering under the “certified” acts of terrorism insurance or (3) 100% of any “certified” terrorism loss which exceeds \$5 and less than the \$180 TRIPRA trigger up to a maximum recovery of \$180 for any occurrence and in the annual aggregate during 2019 or 100% of any “certified” terrorism loss which exceeds \$5 and less than the \$200 TRIPRA trigger up to a maximum recovery of \$200 for any occurrence and in the annual aggregate during 2020.

Additionally, MTA purchases coverage for acts of terrorism which are not certified under TRIPRA to a maximum of \$204.3 in 2019 and \$215 in 2020. Recovery under the terrorism policy is subject to a deductible of \$25 per occurrence and \$75 in the annual aggregate in the event of multiple losses during the policy year. Should the Related Entities’ deductible in any one year exceed \$75 future losses in that policy year are subject to a deductible of \$7.5. The terrorism coverages expire at midnight on December 31, 2020.

Pension Plans — In accordance with the provisions of GASB Statement No. 68, *Accounting and Financial Reporting for Pensions*, the MTA recognizes a net pension liability for each qualified pension plan in which it participates, which represents the excess of the total pension liability over the fiduciary net position of the qualified pension plan, or the MTA’s proportionate share thereof in the case of a cost-sharing multiple-employer plan, measured as of the measurement date of each of the qualified pension plans. Changes in the net pension liability during the year are recorded as pension expense, or as deferred inflows of resources or deferred outflows of resources depending on the nature of the change, in the year incurred. Those changes in net pension liability that are recorded as deferred inflows of resources or deferred outflows of resources that arise from changes in actuarial assumptions or other inputs and differences between expected or actual experience are amortized over the weighted average remaining service life of all participants in the respective qualified pension plan and recorded as a component of pension expense beginning with the year in which they are incurred. Projected earnings on qualified pension plan investments are recognized as a component of pension expense. Differences between projected and actual investment earnings are reported as deferred inflows of resources or deferred outflows of resources and amortized as a component of pension expense on a closed basis over a five-year period beginning with the year in which the difference occurred.

Postemployment Benefits Other Than Pensions — In accordance with the provisions of GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions* and GASB Statement No. 85, *Omnibus* for the OPEB Plan, the MTA recognizes a net OPEB liability, which represents the excess of the total OPEB liability over the fiduciary net position of the OPEB Plan, measured as of the measurement date of the plan.

Changes in the net OPEB liability during the year are recorded as OPEB expense, or as deferred outflows of resources or deferred inflows of resources relating to OPEB depending on the nature of the change, in the year incurred. Changes in net OPEB liability that are recorded as deferred outflows of resources or deferred inflows of resources that arise from changes in actuarial assumptions and differences between expected or actual experience are amortized over the weighted average remaining service life of all participants in the OPEB plan and recorded as a component of OPEB expense beginning with the year in which they are incurred. Projected earnings on qualified OPEB plan investments are recognized as a component of OPEB expenses. Differences between projected and actual investment earnings are reported as deferred outflows of resources or deferred inflow of resources as a component of OPEB expense on a closed basis over a five-year period beginning with the year in which the difference occurred.

3. CASH AND INVESTMENTS

Cash - The Bank balances are insured up to \$250 thousand in the aggregate by the Federal Deposit Insurance Corporation (“FDIC”) for each bank in which funds are deposited. Cash, including deposits in transit, consists of the following at December 31, 2019 and 2018 (in millions):

| | 2019 | | 2018 | |
|---|-----------------|---------------|-----------------|---------------|
| | Carrying Amount | Bank Balance | Carrying Amount | Bank Balance |
| FDIC insured or collateralized deposits | \$ 105 | \$ 104 | \$ 75 | \$ 62 |
| Uninsured and not collateralized | 449 | 405 | 466 | 406 |
| Total Balance | <u>\$ 554</u> | <u>\$ 509</u> | <u>\$ 541</u> | <u>\$ 468</u> |

All collateralized deposits are held by the MTA or its agent in the MTA’s name.

The MTA, on behalf of itself, its affiliates and subsidiaries, invests funds which are not immediately required for the MTA's operations in securities permitted by the New York State Public Authorities Law, including repurchase agreements collateralized by U.S. Treasury securities, U.S. Treasury notes, and U.S. Treasury zero coupon bonds.

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, the MTA will not be able to recover the value of its deposits. While the MTA does not have a formal deposit policy for custodial credit risk, New York State statutes govern the MTA's investment policies. The MTA's uninsured and uncollateralized deposits are primarily held by commercial banks in the metropolitan New York area and are subject to the credit risks of those institutions.

Investments - MTA holds most of its investments at a custodian bank. The custodian must meet certain banking institution criteria enumerated in MTA's Investment Guidelines. The Investment Guidelines also require the Treasury Division to hold at least \$100 of its portfolio with a separate emergency custodian bank. The purpose of this deposit is in the event that the MTA's main custodian cannot execute transactions due to an emergency outside of the custodian's control, the MTA has an immediate alternate source of liquidity.

The MTA categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs.

The MTA had the following recurring fair value measurements as of December 31, 2019 and 2018 (in millions):

| Investments by fair value level | December 31, 2019 | | December 31, 2018 | |
|--|-------------------------|-----------------|-------------------------|-----------------|
| | Fair Value Measurements | | Fair Value Measurements | |
| | Level 1 | Level 2 | Level 1 | Level 2 |
| Debt Securities: | | | | |
| U.S. treasury securities | \$ 5,105 | \$ 4,753 | \$ 3,325 | \$ 2,984 |
| U.S. government agency | 359 | - | 387 | 261 |
| Commercial paper | 175 | - | 758 | - |
| Asset-backed securities | 46 | - | 45 | - |
| Commercial mortgage-backed securities | 110 | - | 81 | - |
| Foreign bonds | 19 | 19 | 16 | 16 |
| Corporate bonds | 138 | 138 | 133 | 133 |
| U.S. treasury securities | 189 | 189 | 178 | 178 |
| U.S. government agency | 128 | 69 | 112 | - |
| Repurchase agreements | 182 | 182 | 223 | 223 |
| Total investments by fair value level | 6,451 | \$ 5,350 | 5,258 | \$ 3,795 |
| Other | 123 | 1,101 | 122 | 1,463 |
| Total Investments | \$ 6,574 | | \$ 5,380 | |

Investments classified as Level 1 of the fair value hierarchy, totaling \$5,350 and \$3,795 as of December 31, 2019 and 2018, respectively, are valued using quoted prices in active markets. Fair values include accrued interest to the extent that interest is included in the carrying amounts. Accrued interest on investments other than Treasury bills and coupons is included in other receivables on the statement of net position. The MTA's investment policy states that securities underlying repurchase agreements must have a fair value at least equal to the cost of the investment.

U.S. Government agency securities totaling \$418 and \$238, U.S. treasury securities totaling \$352 and \$341, commercial paper totaling \$175 and \$758, asset-backed securities totaling \$46 and \$45, and commercial mortgage-backed securities totaling \$110 and \$81, as of December 31, 2019 and 2018, respectively, classified in Level 2 of the fair value hierarchy, are valued using matrix pricing techniques maintained by a third party pricing service. Matrix pricing is used to value securities based on the securities' relationship to benchmark quoted prices and indices. Fair value is defined as the quoted market value on the last trading day of the period. These prices are obtained from a third party pricing service or our custodian bank.

In connection with certain lease transactions described in Note 8, the MTA has purchased securities or entered into payment undertaking, letter of credit, or similar type agreements or instruments (guaranteed investment contracts) with financial institutions, which generate sufficient proceeds to make basic rent and purchase option payments under the terms of the leases. If the obligors do not perform, the MTA may have an obligation to make the related rent payments.

All investments, other than the investments restricted for capital lease obligations, are either insured or registered and held by the MTA or its agent in the MTA's name. Investments restricted for capital lease obligations are either held by MTA or its agent in the MTA's name or held by a custodian as collateral for MTA's obligation to make rent payments under capital lease obligations. Investments had weighted average yields of 1.62% and 2.36% for the years ended December 31, 2019 and 2018, respectively.

Credit Risk — At December 31, 2019 and 2018, the following credit quality rating has been assigned to MTA investments by a nationally recognized rating organization (in millions):

| Quality Rating Standard & Poor's | December 31, 2019 | Percent of Portfolio | December 31, 2018 | Percent of Portfolio |
|-------------------------------------|----------------------|-------------------------|----------------------|-------------------------|
| A-1+ | \$ 235 | 4% | \$ 283 | 5% |
| A-1 | 175 | 3% | 758 | 14% |
| AAA | 256 | 4% | 217 | 4% |
| AA+ | 59 | 1% | 52 | 1% |
| AA | 33 | 1% | 31 | 1% |
| A | 88 | 1% | 76 | 1% |
| BBB | 41 | 1% | 38 | 1% |
| Not rated | 202 | 3% | 240 | 5% |
| U.S. Government | 5,362 | 82% | 3,563 | 68% |
| Total | 6,451 | 100% | 5,258 | 100% |
| Equities and capital leases | 123 | | 122 | |
| Total investment | \$ 6,574 | | \$ 5,380 | |

Interest Rate Risk — Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of the investment. While the MTA does not have a formal policy for interest rate risk, New York State statutes govern the MTA's investment policy. Duration is a measure of interest rate risk. The greater the duration of a bond or portfolio of bonds, the greater its price volatility will be in response to a change in interest rate risk and vice versa. Duration is an indicator of a bond price's sensitivity to a 100 basis point change in interest rates.

| (In millions) | December 31, 2019 | | December 31, 2018 | |
|--|----------------------|------------------------|----------------------|------------------------|
| | Fair Value | Duration (in years) | Fair Value | Duration (in years) |
| U.S. Treasuries | \$ 5,105 | 4.36 | \$ 3,325 | 3.00 |
| Federal Agencies | 359 | 5.98 | 387 | 5.91 |
| Tax benefits lease investments | 317 | 7.37 | 290 | 8.06 |
| Repurchase agreement | 182 | - | 223 | - |
| Commercial paper | 175 | - | 758 | - |
| Asset-backed securities ⁽¹⁾ | 46 | 1.95 | 45 | 1.94 |
| Commercial mortgage-backed securities ⁽¹⁾ | 110 | 3.85 | 81 | 5.55 |
| Foreign bonds ⁽¹⁾ | 19 | 6.25 | 16 | 6.20 |
| Corporates ⁽¹⁾ | 138 | 4.56 | 133 | 4.43 |
| Total fair value | 6,451 | | 5,258 | |
| Modified duration | | 4.34 | | 3.01 |
| Investments with no duration reported | 123 | | 122 | |
| Total investments | \$ 6,574 | | \$ 5,380 | |

⁽¹⁾ These securities are only included in the FMTAC portfolio.

MTA is a public benefit corporation established under the New York Public Authorities Law. MTA's Treasury Division is responsible for the investment management of the funds of the component units. The investment activity covers all operating and capital funds, including bond proceeds, and the activity is governed by State statutes, bond resolutions and the Board-adopted investment guidelines (the "Investment Guidelines"). The MTA Act currently permits the Related Entities to invest in the following general types of obligations:

- obligations of the State or the United States Government;
- obligations of which the principal and interest are guaranteed by the State or the United States government;
- obligations issued or guaranteed by certain Federal agencies;
- repurchase agreements fully collateralized by the obligations of the foregoing United States Government and Federal agencies;
- certain certificates of deposit of banks or trust companies in the State;
- certain banker's acceptances with a maturity of 90 days or less;
- certain commercial paper;

- certain municipal obligations; and
- certain mutual funds up to \$10 in the aggregate.

The MTA adopted NYS Statutory Requirements with respect to credit risk of its investments, which include, but are not limited to the following sections:

- i. Public Authorities Law Sections 1265(4) (MTA), 1204(19) (MTA New York City Transit Authority) and 553(21) (MTA Bridges and Tunnels);
- ii. Public Authorities Law Section 2925 Investment of funds by public authorities and public benefit corporations; general provisions; and
- iii. State Finance Law Article 15 – EXCELSIOR LINKED DEPOSIT ACT.

MTA Investment Guidelines limit the dollar amount invested in banker acceptances, commercial paper, and obligations issued or guaranteed by certain Federal agencies to \$250 at cost. There are no dollar limits on the purchase of obligations of the United States government, the State or obligations the principal and interest of which are guaranteed by the State or the United States government. Investments in collateralized repurchase agreements are limited by dealer or bank's capital. MTA can invest no greater than \$300 with a bank or dealer rated in Tier 1 (i.e. \$1 billion or more of capital).

FMTAC is created as a MTA subsidiary and is licensed as a captive direct insurer and reinsurer by the New York State Department of Insurance. As such, FMTAC is responsible for the investment management of its funds. The investment activity is governed by State statutes and the FMTAC Board adopted investment guidelines. The minimum surplus to policyholders and reserve instruments are invested in the following investments:

- obligations of the United States or any agency thereof provided such agency obligations are guaranteed as to principal and interest by the United States;
- direct obligations of the State or of any county, district or municipality thereof;
- any state, territory, possession or any other governmental unit of the United States;
- certain bonds of agencies or instrumentalities of any state, territory, possession or any other governmental unit of the United States;
- the obligations of a solvent American institution which are rated investment grade or higher (or the equivalent thereto) by a securities rating agency; and
- certain mortgage backed securities in amounts no greater than five percent of FMTAC's admitted assets.

FMTAC may also invest non-reserve instruments in a broader range of investments including the following general types of obligations:

- certain equities; and
- certain mutual funds.

FMTAC is prohibited from making the following investments:

- investment in an insolvent entity;
- any investment as a general partner; and
- any investment found to be against public policy.

FMTAC investment guidelines do include other investments, but FMTAC has limited itself to the above permissible investments at this time.

4. EMPLOYEE BENEFITS

Pensions — The MTA Related Groups sponsor and participate in several defined benefit pension plans for their employees, the Long Island Railroad Company Plan for Additional Pensions (the “Additional Plan”), the Manhattan and Bronx Surface Transit Operating Authority Pension Plan (the “MaBSTOA Plan”), the Metro-North Commuter Railroad Company Cash Balance Plan (the “MNR Cash Balance Plan”), the Metropolitan Transportation Authority Defined Benefit Plan (the “MTA Defined Benefit Plan”), the New York City Employees’ Retirement System (“NYCERS”), and the New York State and Local Employees’ Retirement System (“NYSLERS”). A brief description of each of these pension plans follows:

Plan Descriptions

1. Additional Plan —

The Additional Plan is a single-employer defined benefit pension plan that provides retirement, disability and survivor benefits to members and beneficiaries. The Additional Plan covers MTA Long Island Rail Road employees hired effective July 1, 1971 and prior to January 1, 1988. The Additional Plan’s activities, including establishing and amending contributions and benefits are administered by the Board of Managers of Pensions. The Additional Plan is a governmental plan and accordingly, is not subject to the funding and other requirements of the Employee Retirement Income Security Act of 1974 (“ERISA”). The Additional Plan is a closed plan.

The Board of Managers of Pensions is composed of the Chairman of the MTA, MTA Chief Financial Officer, MTA Director of Labor Relations and the agency head of each participating Employer or the designee of a member of the Board of Managers. The Additional Plan for Additional Pensions may be amended by action of the MTA Board. The Additional Plan is a fiduciary component unit of the MTA and is reflected in the Pension and Other Employee Benefit Trust Funds section of the MTA’s basic financial statements.

The pension plan has a separately issued financial statement that is publicly available and contains required descriptions and supplemental information regarding the employee benefit plan. The financial statements may be obtained at www.mta.info or by writing to, Long Island Rail Road, Controller, 93-02 Sutphin Boulevard – mail code 1421, Jamaica, New York 11435.

2. MaBSTOA Plan —

The MaBSTOA Plan is a single-employer defined benefit governmental retirement plan administered by MTA New York City Transit covering MaBSTOA employees, who are specifically excluded from NYCERS. The Plan provides retirement as well as death, accident and disability benefits. Effective January 1, 1999, in order to afford managerial and non-represented MaBSTOA employees the same pension rights as like title employees in MTA New York City Transit Authority, membership in the MaBSTOA Plan is optional.

The Board of Administration, established in 1963, determines the eligibility of employees and beneficiaries for retirement and death benefits. The MaBSTOA Plan assigns authority to the MaBSTOA Board to modify, amend or restrict the MaBSTOA Plan or to discontinue it altogether, subject, however, to the obligations under its collective bargaining agreements. The Board is composed of five members: two representatives from the Transport Workers Union, Local 100 (“TWU”) and three employer representatives. The MaBSTOA Plan is a fiduciary component unit of the MTA and is reflected in the Pension and Other Employee Benefit Trust Funds section of the MTA’s basic financial statements.

The pension plan issues a publicly available financial report that includes financial statements and required supplementary information. This report may be obtained by writing to MTA Comptroller, 2 Broadway, 16th Floor, New York, New York, 10004 or at www.mta.info.

3. MNR Cash Balance Plan —

The MNR Cash Balance Plan is a single employer, defined benefit pension plan administered by MTA Metro-North Railroad. The MNR Cash Balance Plan covers non-collectively bargained employees, formerly employed by Conrail, who joined MTA Metro-North Railroad as management employees between January 1 and June 30, 1983, and were still employed as of December 31, 1988. Effective January 1, 1989, these management employees became covered under the Metro-North Commuter Railroad Defined Contribution Plan for Management Employees (the “Management Plan”) and the MNR Cash Balance Plan was closed to new participants. The assets of the Management Plan were merged with the Metropolitan Transportation Authority Defined Benefit Plan for Non-Represented Employees (now titled as the Metropolitan Transportation Authority Defined Benefit Pension Plan) as of the asset transfer date of July 14, 1995. The MNR Cash Balance Plan is designed to satisfy the applicable requirements for governmental plans under Section 401(a) and 501(a) of the Internal Revenue Code. Accordingly, the MNR Cash Balance Plan is tax-exempt and is not subject to the provisions of ERISA.

The MTA Board of Trustees appoints a Board of Managers of Pensions consisting of five individuals who may, but need not, be officers or employees of the company. The Board of Managers control and manage the operation and administration of the MNR Cash Balance Plan's activities, including establishing and amending contributions and benefits.

Further information about the MNR Cash Balance Plan is more fully described in the separately issued financial statements that can be obtained by writing to MTA Comptroller, 2 Broadway, 16th Floor, New York, New York, 10004. These statements are also available at www.mta.info.

4. MTA Defined Benefit Plan —

The MTA Defined Benefit Pension Plan (the "MTA Plan" or the "Plan") is a cost sharing, multiple-employer defined benefit pension plan. The Plan covers certain MTA Long Island Railroad non-represented employees hired after December 31, 1987, MTA Metro-North Railroad non-represented employees, certain employees of the former MTA Long Island Bus hired prior to January 23, 1983, MTA Police, MTA Long Island Railroad represented employees hired after December 31, 1987, certain MTA Metro-North Railroad represented employees, MTA Staten Island Railway represented and non-represented employees and certain employees of the MTA Bus Company ("MTA Bus"). The MTA, MTA Long Island Railroad, MTA Metro-North Railroad, MTA Staten Island Railway and MTA Bus contribute to the MTA Plan, which offers distinct retirement, disability retirement, and death benefit programs for their covered employees and beneficiaries.

The MTA Defined Benefit Plan is administered by the Board of Managers of Pensions. The MTA Plan, including benefits and contributions, may be amended by action of the MTA Board. The MTA Defined Benefit Plan is a fiduciary component unit of the MTA and is reflected in the Pension and Other Employee Benefit Trust Funds section of the MTA's basic financial statements.

The pension plan issues a publicly available financial report that includes financial statements and required supplementary information. This report may be obtained by writing to the MTA Comptroller, 2 Broadway, 16th Floor, New York, New York, 10004 or at www.mta.info.

5. NYCERS —

NYCERS is a cost-sharing, multiple-employer retirement system for employees of The City of New York ("The City") and certain other governmental units whose employees are not otherwise members of The City's four other pension systems. NYCERS administers the New York City Employees Retirement System qualified pension plan.

NYCERS was established by an act of the Legislature of the State of New York under Chapter 427 of the Laws of 1920. NYCERS functions in accordance with the governing statutes contained in the New York State Retirement and Social Security Law ("RSSL"), and the Administrative Code of the City of New York ("ACNY"), which are the basis by which benefit terms and employer and member contribution requirements are established and amended. The head of the retirement system is the Board of Trustees. NYCERS is a fiduciary component unit of The City and is in the Pension and Other Employee Benefit Trust Funds section of New York City's Comprehensive Annual Financial Report ("CAFR").

NYCERS issues a publicly available comprehensive annual financial. This report may be obtained by writing to the New York City Employees' Retirement System at 335 Adams Street, Suite 2300, Brooklyn, NY 11201-3724 or at www.nycers.org.

All employees of the Related Group holding permanent civil service positions in the competitive or labor class are required to become members of NYCERS six months after their date of appointment, but may voluntarily elect to join NYCERS prior to their mandated membership date. All other eligible employees have the option of joining NYCERS upon appointment or anytime thereafter. NYCERS members are assigned to a "tier" depending on the date of their membership.

- Tier 1 All members who joined prior to July 1, 1973.
- Tier 2 All members who joined on or after July 1, 1973 and before July 27, 1976.
- Tier 3 Only certain members who joined on or after July 27, 1976 and prior to April 1, 2012
- Tier 4 All members (with certain member exceptions) who joined on or after July 27, 1976 but prior to April 1, 2012. Members who joined on or after July 27, 1976 but prior to September 1, 1983 retain all rights and benefits of Tier 3 membership.
- Tier 6 Members who joined on or after April 1, 2012.

6. NYSLERS —

NYSLERS is a cost-sharing, multiple-employer defined benefit retirement system. The New York State Comptroller’s Office administers the NYSLERS’ plan. The net position of NYSLERS is held in the New York State Common Retirement Fund (the “Fund”), which was established to hold all assets and record changes in fiduciary net position allocated to the plan. The Comptroller of the State of New York serves as the trustee of the Fund and is the administrative head of NYSLERS. NYSLERS’ benefits are established under the provisions of the New York State RSSL. Once a public employer elects to participate in NYSLERS, the election is irrevocable. The New York State Constitution provides that pension membership is a contractual relationship and plan benefits cannot be diminished or impaired. Benefits can be changed for future members only by enactment of a State statute.

NYSLERS is included in New York State’s financial report as a pension trust fund. The report can be accessed on the New York State Comptroller’s website at:

www.osc.state.ny.us/retire/about_us/financial_statements_index.php or obtained by writing to the New York State and Local Retirement System, 110 State Street, Albany, NY 12244-001.

Pension legislation enacted in 1973, 1976, 1983, 2009, and 2012 established distinct classes of tier membership.

- Tier 1 All members who joined prior to July 1, 1973.
- Tier 2 All members who joined on or after July 1, 1973 and before July 27, 1976.
- Tier 3 Generally, certain members who joined on or after July 27, 1976 but before January 1, 2010 and all other members who joined on or after July 27, 1976, but before September 1, 1983.
- Tier 4 Generally, members (with certain member exceptions) who joined on or after September 1, 1983, but before January 1, 2010.
- Tier 5 Members who joined on or after January 1, 2010, but before April 1, 2012.
- Tier 6 Members who joined on or after April 1, 2012.

Benefits Provided

1. Additional Plan —

Pension Benefits — An employee who retires under the Additional Plan, either: (a) after completing at least 20 years of credited service, or (b) after both attaining age 65 while in service and completing at least five years of credited service, or in the case of those who were active employees on January 1, 1988, after completing at least 10 years of credited service, is entitled to an annual retirement benefit, payable monthly for life. Payments commence to an employee referred to in: (a) only after attaining age 50, or (b) only after attaining age 65.

Benefit and contribution provisions, which are based on the point in time at which participants last entered qualifying service and their length of credited service, are established by, and may only be amended by the MTA Long Island Rail Road, subject to the obligations of the MTA Long Island Rail Road under its collective bargaining agreements.

The Additional Plan has both contributory and non-contributory requirements, with retirement ages varying from 50 to 65 depending upon a participant’s length of credited service. Pension benefits payable to age 65, where eligible, are calculated as 2% of the employee’s applicable final average earnings for each year of qualifying service up to 25 years plus 1.5% of applicable final average earnings for each year of qualifying service in excess of 25 years. For pension benefits payable at and after age 65, regardless of whether benefits commenced before or after the employee attained age 65, benefits are calculated in the same manner as pension benefits payable prior to age 65 except that the amount so determined is reduced by a percentage of the employee’s annuity (not including any supplemental annuity) value at age 65 under the Federal Railroad Retirement Act.

Participants who entered qualifying service before July 1, 1978 are not required to contribute. Participants who entered qualifying service on or after July 1, 1978, are required to contribute 3% of their wages. The MTA Long Island Railroad contributes additional amounts based on actuarially determined amounts that are designed to accumulate sufficient assets to pay benefits when due.

Death and Disability Benefits — Participants who become disabled after accumulating 10 years of credited service and who meet the requirements as described in the Additional Plan receive a disability benefit. Disability pension benefits are calculated based on the participant’s qualifying service and a percentage of final average compensation reduced by the full amount of benefit under the Federal Railroad Retirement Act. Survivorship benefits are paid to the participant’s spouse when a survivorship option is elected or when an active participant has not divested his or her spouse of benefits. The survivorship benefit is payable at the time of death or when the vested participant would have attained an eligible

age. The amount payable is in the form of an annuity. A lump sum death benefit no greater than five thousand dollars is payable upon death on behalf of a non-vested participant or vested participant whose pension rights were waived.

Retirement benefits establishment and changes for representative employees are collectively bargained and must be ratified by the respective union and the MTA Board. For nonrepresented employees, amendments must be approved by the MTA Board.

2. MaBSTOA Plan —

The MaBSTOA Plan provides retirement as well as death, accident, and disability benefits. The benefits provided by the MaBSTOA Plan are generally similar to the benefits provided to MTA New York City Transit participants in NYCERS. Benefits vest after either 5, 10, or 20 years of credited service, depending on the date of membership.

In 2008, NYCERS had determined that Tier 4 employees are and have been eligible for a post retirement death benefit retroactive to 1986. In June 2012, the MTA Board approved an amendment to the MaBSTOA Plan to provide for incorporation of this benefit.

Tier 1 —

Eligibility and Benefit Calculation: Tier 1 members must be at least age 50 with the completion of 20 years of service to be eligible to collect a service retirement benefit. Generally, the benefit is 1.50% for service before March 1, 1962, plus 2.0% for service from March 1, 1962 to June 30, 1970, plus 2.5% for service after June 30, 1970. The accumulated percentage, up to a maximum of 50%, is multiplied by the member's compensation, which is the greater of earned salary during the year prior to retirement. Once the accumulated reaches 50%, the percentage for each further year of service reverts back to 1.5%. The percentage in excess of 50% is multiplied by the final compensation, which is the highest average earnings over five consecutive years.

Ordinary Disability Benefits — Generally, ordinary disability benefits, are provided to eligible Tier 1 members after ten years of service with the benefit equal to the greater of the service retirement percentages or 25% multiplied by final compensation.

Accidental Disability Benefits — The accidental disability benefit to eligible Tier 1 members is equal to 75% of final compensation reduced by 100% of any worker's compensation payments.

Ordinary Death Benefits — For Tier 1 members the amount of the death benefit is a lump sum equal to six months' pay for members with less than 10 years of service; a lump sum equal to a 12 months of pay for members with more than 10 but less than 20 years of service, and a lump sum equal to two times 12 months of pay for members with more than 20 years of service.

Tier 2 —

Eligibility and Benefit Calculation: Tier 2 members must be at least age 55 with the completion of 25 years of service to be eligible to collect a service retirement benefit. Generally, the benefit equals 50% of final 3-year average compensation, defined as the highest average earnings over three consecutive years, plus 1% of final 5-year average compensation, defined as the highest average earnings over five consecutive years, per year of credited service in excess of 20 years. For early retirement, members must be at least age 50 with the completion of at least 20 years of service. The benefit is determined in the same manner as the service retirement but not greater than 2.0% of final 3-year average compensation per year of service.

Ordinary Disability Benefits — Generally, ordinary disability benefits, are provided to eligible Tier 2 members after ten years of service with the benefit equal to the greater of the service retirement percentages or 25% multiplied by the final 5- year average compensation.

Accidental Disability Benefits — The accidental disability benefit to eligible Tier 2 members is equal to 75% of the final 5-year average compensation reduced by any worker's compensation payments.

Ordinary Death Benefits — Tier 2 members require the completion of 90 days of service to receive a lump sum equal to 3 times salary, raised to the next multiple of \$1,000 dollars.

Tiers 3, 4—

Eligibility and Benefit Calculation: Tier 3 and 4 members in the Regular 62 and 5 Plan must be at least age 62 with the completion of at least 5 years of service to be eligible to collect a service retirement benefit. Generally, the benefit for members with at least 20 years of service, is equal to 2.0% of Final Average Compensation ("FAC") for the first 30 years of service plus 1.5% of FAC for years of service in excess of 30. FAC is defined as the highest average earnings over three consecutive years, of which earnings in a year cannot exceed 110% of the average of the two preceding years. If the member completes less than 20 years of credited service, the benefit equals 1- 2/3% of FAC multiplied by years of service. For early retirement, members must be at least age 55 with the completion of at least 5 years of service. The

benefit equals the service retirement benefit reduced by 6% for each of the first two years prior to age 62, and by 3% for years prior to age 60.

Tier 3 and 4 members in the basic 55/25 Plan must be at least age 55 with the completion of at least 25 years of service, or be at least age 62 with the completion of at least 5 years of service, to be eligible to collect a service retirement benefit. Generally, the benefit for members with at least 25 years of service, is equal to 2.0% of FAC for the first 30 years of service plus 1.5% of FAC for years of service in excess of 30. If the member completes less than 25 years of credited service, the benefit equals 1- 2/3% of FAC multiplied by years of service.

Tier 4 members in the 57/5 Plan must be at least age 57 with the completion of at least 5 years of service to be eligible to collect a service retirement benefit. Generally, the benefit for members with at least 20 years of service, is equal to 2.0% of FAC for the first 30 years of service plus 1.5% of FAC for years of service in excess of 30. If the member completes less than 20 years of credited service, the benefit equals 1- 2/3% of FAC multiplied by years of service.

Ordinary and Accidental Disability Benefits — For eligible members of the Regular 62/5 Plan, 57/25 Plan and 57/5 Plan, ordinary and accidental disability benefits, are provided after 10 years of service for ordinary and no service required for accidental disability benefit. The benefit equals the greater of 1-2/3% of FAC per year of service and 1/3 of FAC.

Ordinary Death Benefits — For eligible members of the Regular 62/5 Plan, 55/25 Plan, 57/5 Plan, the pre-retirement ordinary death benefit is equal to a lump sum of annual salary times the lesser of completed years of service and 3. After age 60, the benefit is reduced 5% per year, to a maximum reduction of 50%. Accumulated regular member contributions with interest and one-half of accumulated additional member contributions with interest are also payable. Upon retirement, the post-retirement benefit is reduced by 50% and reduced an additional 25% after completion of one year of retirement. After completion of two years of retirement, the benefit equals 10% of the pre-retirement benefit in force at age 60.

Tier 6—

Eligibility and Benefit Calculation: Tier 6 members in the 55/25 Special Plan must be at least age 55 with the completion of at least 25 years, or at least age 63 with the completion of at least 10 years of service, to be eligible to collect a service retirement benefit. Generally, the benefit for members with at least 25 years of service, is equal to 2.0% of Final Average Salary (“FAS”) for the first 30 years of service plus 1.5% of FAS for years of service in excess of 30. If the member completes less than 20 years of credited service, the benefit equals 1- 2/3% of FAS multiplied by years of service. FAS is defined as the highest average pensionable compensation over five consecutive years.

Tier 6 members in the Basic 63/10 Plan must be at least age 63 with the completion of at least 10 years to be eligible to collect a service retirement benefit. Generally, the benefit for members with at least 20 years of service, is equal to 35% of FAS plus 2.0% of FAS for years of service in excess of 20. If the member completes less than 20 years of credited service, the benefit equals 1- 2/3% of FAS multiplied by years of service. FAS is defined as the highest average pensionable earnings over five consecutive years. For early retirement, members must be at least age 55 with the completion of at least 10 years of service. The benefit equals the service retirement benefit reduced by 6.5% for each year early retirement precedes age 63.

Ordinary and Accidental Disability Benefits — For eligible members of the 55/25 Special Plan and the Basic 63/10 Plan, ordinary and accidental disability benefits, are provided after 10 years of credited service for ordinary disability benefit. There is no service requirement for accidental disability benefit. The benefit equals the greater of 1-2/3% of FAS per year of service and 1/3 of FAS.

Ordinary Death Benefits — For eligible members of the 55/25 Special Plan and the Basic 63/10 Plan, the pre-retirement ordinary death benefit is equal to a lump sum of annual salary times the lesser of completed years of service and 3. After age 60, the benefit is reduced 5% per year, to a maximum reduction of 50%. Accumulated regular member contributions with interest and one-half of accumulated additional member contributions with interest are also payable. Upon retirement, the post-retirement benefit is reduced by 50% and reduced an additional 25% after completion of one year of retirement. After completion of two years of retirement, the benefit equals 10% of the pre-retirement benefit in force at age 60.

3. MNR Cash Balance Plan —

Pension Benefits — Participants of the MNR Cash Balance Plan are vested in their benefit upon the earlier of (a) the completion of 5 years of service with MTA Metro-North Railroad or (b) the attainment of age 62. The accrued benefit is a participant’s Initial Account Balance increased each month by the benefit escalator. The benefit escalator is defined as the Pension Benefit Guaranty Corporation (“PBGC”) immediate annuity rate in effect for December of the year preceding the year for which the determination is being made) divided by 180. The accrued benefit is paid as an escalating annuity. Vested participants are entitled to receive pension benefits commencing at age sixty-five. Participants may elect to receive the value of their accumulated plan benefits as a lump-sum distribution upon retirement or they may elect a monthly life annuity. Participants may elect to receive their pension in the form of a joint and survivor annuity.

Participants of the MNR Cash Balance Plan are eligible for early retirement benefits upon termination of employment, the attainment of age 62, or age 60 and completion of 15 years of service, or age 55 and the completion of 30 years of service. The early retirement benefits paid is the normal retirement pension deferred to age 65 or an immediate pension equal to the life annuity actuarial equivalent of a participant's escalating annuity at normal retirement date indexed by the Initial Benefit Escalator from early retirement date to normal retirement date and reduced by 5/9 of 1% for each month retirement precedes age 65 up to 60 months and 5/18 of 1% for each month after 60 months.

For members with cash balances who are currently members of the Metropolitan Transportation Authority Defined Benefit Pension Plan, an additional benefit is provided equal to the amount needed to bring their total benefits (i.e., Railroad Retirement Tier I and II benefits, Conrail Plan benefits, Cash Balance Plan benefits, and MTA Defined Benefit Pension Plan benefits) up to a minimum of 65% of their 3-year final average pay under the MTA Defined Benefit Plan. In no event will the Additional Benefit exceed 2% of 3-year final average pay multiplied by the Conrail Management Service prior to July 1, 1983. This benefit is payable as a life annuity and is reduced for commencement prior to age 65 in the same manner as the regular cash balance benefit. This additional benefit is payable only in the form of a life annuity or 100% or 50% contingent annuity

Death Benefits — Benefits are paid to vested participants' beneficiaries in the event of a participants' death. The amount of benefits payable is the participant's account balance at the date of his or her death. Pre-retirement death benefits paid for a participant's death after 55 is equal to the amount the spouse would have received had the participant elected retirement under the normal form of payment on the day preceding his death. Pre-retirement death benefits paid for a participant's death before 55 is equal to the amount the spouse would have received had the participant survived to age 55 and retired under the normal form of payment on that date. The benefit is based on service to the participant's date of death and is payable beginning on the date the participant would have attained age 55.

In lieu of the above benefit, the surviving spouse can elect to receive the participant's account balance in a single lump sum payment immediately. If the participant was not married, the participant's beneficiary is entitled to receive the participant's Account Balance as of the participant's date of death in a single lump sum payment.

4. MTA Defined Benefit Plan —

Pension Benefits — Retirement benefits are paid from the Plan to covered MTA Metro-North Railroad, MTA Staten Island Railway and post - 1987 MTA Long Island Rail Road employees as service retirement allowances or early retirement allowances. A participant is eligible for a service retirement allowance upon termination if the participant satisfied both age and service requirement. A participant is eligible for a service retirement allowance upon termination if the participant satisfied both age and service requirements. A participant is eligible for an early retirement allowance upon termination if the participant has attained age 55 and completed at least 10 years of credited service. Terminated participants with 5 or more years of credited service are eligible for a deferred vested benefit. Deferred vested benefits are payable on an unreduced basis on the first day of the month following the participant's 62nd birthday.

Certain represented employees of the MTA Long Island Rail Road and the MTA Metro-North Railroad continue to make contributions to the Plan for 15 years. Certain represented employees of the MTA Long Island Rail Road and the MTA Metro-North Railroad are eligible for an early retirement allowance upon termination if the participant has attained age 60 and completed at least 5 years of credited service, or has attained age 55 and completed at least 30 years of credited service. The early retirement allowance is reduced one-quarter of 1% per month for each full month that retirement predates age 60 for certain represented employees of the MTA Long Island Rail Road and the MTA Metro-North Railroad.

Effective in 2007, members and certain former members who become (or became) employed by another MTA agency which does not participate in the Plan continue to accrue service credit based on such other employment. Upon retirement, the member's vested retirement benefit from the Plan will be calculated on the final average salary of the subsequent MTA agency, if higher. Moreover, the Plan benefit will be reduced by the benefit, if any, payable by the other plan based on such MTA agency employment. Such member's disability and ordinary death benefit will be determined in the same way.

Retirement benefits are paid from the Plan under the MTA 20-Year Police Retirement Program. A participant is eligible for service retirement at the earlier of completing twenty years of credited Police service or attainment of age 62. Terminated participants with five years of credited police service, who are not eligible for retirement, are eligible for a deferred benefit. Deferred vested benefits are payable on the first of the month following the participant's attainment of age 55.

Retirement benefits paid from the Plan to covered represented MTA Bus employees include service retirement allowances or early retirement allowances. Under the programs covering all represented employees at Baisley Park, Eastchester, La Guardia, Spring Creek, and Yonkers Depots and the represented employees at College Point Depot, JFK, Far Rockaway a participant is eligible for a service retirement allowance upon termination if the participant has attained age sixty-five and completed at least five years of credited service or if the participant has attained age 57 and completed at least 20 years of credited service. A participant hired prior to June 2009 from Baisley Park, College Point, and La Guardia Depots is eligible for an early retirement allowance if the participant has attained age 55 and completed 20 years of credited service. Terminated participants with five or more years of credited service who are not eligible to receive a service

retirement allowance or early retirement allowance are eligible for a deferred vested benefit. Deferred vested benefits are payable on an unreduced basis on or after the participant attains age 65.

At Baisley Park, Far Rockaway, JFK, La Guardia and Spring Creek Depots, a participant who is a non-represented employee is eligible for an early retirement allowance upon termination if the participant has attained age 55 and completed 15 years of service. Terminated participants with five or more years of credited service who are not eligible to receive a service retirement allowance or early retirement allowance are eligible for a deferred vested benefit. Deferred vested benefits are payable on an unreduced basis on or after the participant attains age 62.

The MTA Bus retirement programs covering represented and non-represented employees at Eastchester and Yonkers and covering the represented employees at Baisley Park, College Point, Far Rockaway, JFK, La Guardia and Spring Creek are fixed dollar plans, i.e., the benefits are a product of credited service and a specific dollar amount.

The retirement benefits for certain non-represented employees at Baisley Park, Far Rockaway, JFK, La Guardia and Spring Creek are based on final average salary. Certain participants may elect to receive the retirement benefit as a single life annuity or in the form of an unreduced 75% joint and survivor benefit.

Pre-1988 MTA Long Island Rail Road participants are eligible for a service retirement allowance upon termination if the participant has either: (a) attained age sixty-five and completed at least five years of credited service, or if an employee on January 1, 1988 completed at least 10 years of credited service, or (b) attained age fifty and has completed at least 20 years of credited service. Terminated participants who were not employees on January 1, 1988 with five or more years of credited service are eligible for a deferred vested benefit. Pension benefits payable to age 65, where eligible, are calculated as 2% of the employee's applicable final average earnings for each year of qualifying service up to 25 years plus 1.5% of applicable final average earning of each year of qualifying service in excess of 25 years. For pension benefits payable at and after age 65 regardless of whether benefits commenced before or after the employee attained age 65, benefits are calculated in the same manner as pension benefits payable prior to age 65 except that the amount so determined is reduced by a percentage of the employee's annuity (not including supplemental annuity) value at age 65 under the Federal Railroad Retirement Act. The reduction of pension benefits for amounts payable under the Federal Railroad Retirement Act is 50%.

Death and Disability Benefits — In addition to service retirement benefits, participants of the Plan are eligible to receive disability retirement allowances and death benefits. Participants who become disabled may be eligible to receive disability retirement allowances after 10 years of covered MTA Bus service; 10 years of credited service for covered MTA Metro-North Railroad and MTA Long Island Rail Road management and represented employees, covered MTA Staten Island Railway employees and covered MTA police participants.

The disability retirement allowance for covered MTA Metro-North Railroad and MTA Long Island Rail Road management and represented covered MTA Staten Island Railway employees is calculated based on the participant's credited service and final average salary ("FAS") but not less than $\frac{1}{3}$ of FAS. Under the MTA 20 Year Police Retirement Program, a disabled participant may be eligible for one of three forms of disability retirement: (a) ordinary disability which is payable if a participant has ten years of credited Police service and is calculated based on the participant's credited Police service and FAS but not less than $\frac{1}{3}$ of FAS; (b) performance of duty, which is payable if a participant is disabled in the performance of duty and is $\frac{1}{2}$ of FAS, and (c) accidental disability, which is payable if a participant is disabled as the result of an on-the-job accidental injury and is $\frac{3}{4}$ of FAS subject to an offset of Workers' Compensation benefits. Pursuant to the MTA Bus programs, the disability benefit is the same as the service retirement benefit.

Pre-1988 MTA Long Island Rail Road participants who become disabled after accumulating 10 years of credited service and who meet the requirements as described in the Plan may be eligible to receive a disability benefit. Disability pension benefits are based on the participant's qualified service and a percentage of final average compensation reduced by the full amount of the disability benefit under the Federal Railroad Retirement Act. Survivorship benefits for pre-1988 MTA Long Island Rail Road participants are paid to the spouse when a survivorship option is elected or when an active participant has not divested their spouse of benefits.

The survivorship benefit is payable at the time of death or when the vested participant would have attained an eligible age. The amount payable is in the form of an annuity. A lump sum death benefit no greater than \$5,000 (whole dollars) is payable upon death on behalf of a non-vested participant or vested participant whose pension rights were waived.

Death benefits are paid to the participant's beneficiary in the event of the death of a covered MTA Metro-North Railroad, post-1987 MTA Long Island Rail Road or MTA Staten Island Railway employee after completion of one year of credited service. The death benefit payable is calculated based on a multiple of a participant's salary based on years of credited service up to three years and is reduced beginning at age 61. There is also a post-retirement death benefit which, in the 1st year of retirement, is equal to 50% of the pre-retirement death benefit amount, whichever is greater, 25% the 2nd year and 10% of the death benefit payable at age 60 for the 3rd and later years. For the Police 20 Year Retirement Program, the death benefit is payable after ninety days of credited MTA Police service, and is equal to three times their salary. For

non-Police groups, this death benefit is payable in a lump sum distribution while for Police, the member or the beneficiary can elect to have it paid as an annuity. The MTA Police do not have a post retirement benefit.

In the MSBA Employees' Pension Plan, there are special spousal benefits payable upon the death of a participant who is eligible for an early retirement benefit, or a normal service retirement benefit, or who is a vested participant or vested former participant. To be eligible, the spouse and participant must have been married at least one year at the time of death. Where the participant was eligible for an early service retirement benefit or was a vested participant or former participant, the benefit is a pension equal to 40% of the benefit payable to the participant as if the participant retired on the date of death. Where the participant was eligible for a normal service retirement benefit, the eligible spouse can elect either the benefit payable as a pension, as described in the prior sentence, or a lump sum payment based on an actuarially determined pension reserve. If there is no eligible spouse for this pension reserve benefit, a benefit is payable to the participant's beneficiary or estate.

Moreover, an accidental death benefit is payable for the death of a participant who is a covered MTA Metro-North Railroad or post-1987 MTA Long Island Rail Road employee, a covered MTA Staten Island Railway employee or a covered MTA Police member and dies as the result of an on-the-job accidental injury. This death benefit is paid as a pension equal to 50% of the participant's salary and is payable to the spouse for life, or, if none, to children until age eighteen (or twenty-three, if a student), or if none, to a dependent parent.

For MTA Bus employees, there is varied death benefit coverage under the Plan. For all represented and non-represented MTA Bus employees at Eastchester and Yonkers Depots and represented MTA Bus employees at Baisley Park, College Point, Far Rockaway, JFK, La Guardia and Spring Creek Depots, if a participant dies prior to being eligible for a retirement benefit, the participant's beneficiary may elect to receive a refund of the participant's contributions plus interest.

Moreover, the spouses of the above employees who are vested are entitled to a presumed retirement survivor annuity which is based on a 50% Joint and Survivor annuity. The date as of which such annuity is determined and on which it commences varies among the different programs depending on whether the participants are eligible for retirement and for payment of retirement benefits.

In addition, the spouse of a non-represented MTA Bus employee at Spring Creek, JFK, La Guardia, Baisley Park and Far Rockaway, if such employee is age 55 and has 15 years of service and is a terminated member with a vested benefit which is not yet payable, may elect the presumed retirement survivor annuity or 1/2 the participant's accrued benefit paid monthly and terminating on the 60th payment or the spouse's death. The spouse of a non-represented MTA Bus employee at Yonkers Depot may also receive a pre-retirement survivor annuity from the supplemental plan. If there is no such spouse, the actuarial equivalent of such annuity is payable.

Dependent children of MTA Bus employees are also entitled to an annuity based on the spouse's pre-retirement survivor annuity (1/2 of the spouse's annuity is payable to each child, but no more than 100% of the spouse's annuity is payable). In addition, the dependent children of retirees who were MTA Bus employees at these Depots are entitled to an annuity based on the presumed retirement survivor's annuity (25% of the spouse's annuity; but no more than 50% of the spouse's annuity is payable).

Retirement benefits establishment and changes for represented employees are collectively bargained and must be ratified by the respective union and the MTA Board. For nonrepresented employees, retirement benefits establishment and changes are presented to the MTA Board and must be accepted and approved by the MTA Board.

5. NYCERS —

NYCERS provides three main types of retirement benefits: Service Retirements, Ordinary Disability Retirements (non-job-related disabilities) and Accident Disability Retirements (job-related disabilities) to participants generally based on salary, length of service, and member Tiers.

The Service Retirement benefits provided to Tier 1 participants fall into four categories according to the level of benefits provided and the years of service required. Three of the four categories provide annual benefits of 50% to 55% of final salary after 20 or 25 years of service, with additional benefits equal to a specified percentage per year of service (currently 1.2% to 1.7%) of final salary. The fourth category has no minimum service requirement and instead provides an annual benefit for each year of service equal to a specified percentage (currently 0.7% to 1.53%) of final salary.

Tier 2 participants have provisions similar to Tier 1, except that the eligibility for retirement and the salary base for benefits are different and there is a limitation on the maximum benefit.

Tier 3 participants were later mandated into Tier 4, but could retain their Tier 3 rights. The benefits for Tier 3 participants are reduced by one half of the primary Social Security benefit attributable to service, and provides for an automatic annual cost-of-living escalator in pension benefits of not more than 3.0%.

Tier 4 participants upon satisfying applicable eligibility requirements may be mandated or elected, as applicable, into the Basic 62/5 Retirement Plan, the 57/5 Plan, the 55/25 Plan, the Transit 55/25 Plan, the MTA Triborough Bridge and Tunnel Authority 50/20 Plan, and the Automotive Member 25/50 Plan. These plans provide annual benefits of 40% to 50% of final salary after 20 or 25 years of service, with additional benefits equal to a specified percentage per year of service (currently 1.5% to 2%) of final salary.

Chapter 18 of the Laws of 2012 created Tier 6. These changes increase the retirement age to 63, require member contributions for all years of service, institute progressive member contributions, and lengthen the final average salary period from 3 to 5 years.

NYCERS also provides automatic Cost-of-Living Adjustments (“COLA”) for certain retirees and beneficiaries, death benefits; and certain retirees also receive supplemental benefits. Subject to certain conditions, members generally become fully vested as to benefits upon the completion of 5 years of service.

6. NYSLERS —

NYSLERS provides retirement benefits as well as death and disability benefits. Members who joined prior to January 1, 2010 need 5 years of service to be fully vested. Members who joined on or after January 1, 2010 need 10 years of service to be fully vested.

Tiers 1 and 2 —

Eligibility: Tier 1 members generally must be at least age 55 to be eligible for a retirement benefit. There is no minimum service requirement for Tier 1 members. Generally, Tier 2 members must have 5 years of service and be at least age 55 to be eligible for a retirement benefit. The age at which full benefits may be collected for Tier 1 is 55, and the full benefit age for Tier 2 is 62.

Benefit Calculation: Generally, the benefit is 1.67% of final average salary for each year of service if the member retires with less than 20 years. If the member retires with 20 or more years of service, the benefit is 2 percent of final average salary for each year of service. Tier 2 members with five or more years of service can retire as early as age 55 with reduced benefits. Tier 2 members age 55 or older with 30 or more years of service can retire with no reduction in benefits. As a result of Article 19 of the RSSL, Tier 1 and Tier 2 members who worked continuously from April 1, 1999 through October 1, 2000 received an additional month of service credit for each year of credited service they have at retirement, up to a maximum of 24 additional months. Final average salary is the average of the wages earned in the three highest consecutive years of employment. For Tier 1 members who joined on or after June 17, 1971, each year’s compensation used in the final average salary calculation is limited to no more than 20 percent greater than the previous year. For Tier 2 members, each year of final average salary is limited to no more than 20 percent greater than the average of the previous two years.

Tiers 3, 4, and 5 —

Eligibility: Most Tier 3 and 4 members must have 5 years of service and be at least age 55 to be eligible for a retirement benefit. Tier 5 members, must have 10 years of service and be at least age 55 to be eligible to collect a retirement benefit. The full benefit age for Tiers 3, 4 and 5 is 62.

Benefit Calculation: Generally, the benefit is 1.67% of final average salary for each year of service if the member retires with less than 20 years. If a member retires with between 20 and 30 years of service, the benefit is 2 percent of final average salary for each year of service. If a member retires with more than 30 years of service, an additional benefit of 1.5% of final average salary is applied for each year of service over 30 years. Tier 3 and 4 members with five or more years of service and Tier 5 members with 10 or more years of service can retire as early as age 55 with reduced benefits. Tier 3 and 4 members age 55 or older with 30 or more years of service can retire with no reduction in benefits. Final average salary is the average of the wages earned in the three highest consecutive years of employment. For Tier 3, 4 and 5 members, each year’s compensation used in the final average salary calculation is limited to no more than 10% greater than the average of the previous two years.

Tier 6 —

Eligibility: Generally, Tier 6 members must have 10 years of service and be at least age 55 to be eligible to collect a retirement benefit. The full benefit age for Tier 6 is 63.

Benefit Calculation: Generally, the benefit is 1.67% of final average salary for each year of service if the member retires with less than 20 years. If a member retires with 20 years of service, the benefit is 1.75% of final average salary for each year of service. If a member retires with more than 20 years of service, an additional benefit of 2% of final average salary is applied for each year of service over 20 years. Tier 6 members with 10 or more years of service can retire as early as age 55 with reduced benefits. Final average salary is the average of the wages earned in the five highest consecutive years of employment. For Tier 6 members, each year’s compensation used in the final average salary calculation is limited to no more than 10% greater than the average of the previous four years.

Disability Benefits — Generally, disability retirement benefits are available to members unable to perform their job duties because of permanent physical or mental incapacity. There are three general types of disability benefits: ordinary, performance of duty, and accidental disability benefits. Eligibility, benefit amounts, and other rules such as any offsets of other benefits depend on a member’s tier, years of service, and plan. Ordinary disability benefits, usually one-third of salary, are provided to eligible members after ten years of service; in some cases, they are provided after five years of service. For all eligible Tier 1 and Tier 2 members, the accidental disability benefit is a pension of 75 percent of final average salary, with an offset for any Workers’ Compensation benefits received. The benefit for eligible Tier 3, 4, 5 and 6 members is the ordinary disability benefit with the years-of-service eligibility requirement dropped.

Ordinary Death Benefits — Death benefits are payable upon the death, before retirement, of a member who meets eligibility requirements as set forth by law. The first \$50,000 (whole dollars) of an ordinary death benefit is paid in the form of group term life insurance. The benefit is generally three times the member’s annual salary. For most members, there is also a reduced post-retirement ordinary death benefit available.

Post-Retirement Benefit Increases — A cost-of-living adjustment is provided annually to: (i) all pensioners who have attained age 62 and have been retired for five years; (ii) all pensioners who have attained age 55 and have been retired for ten years; (iii) all disability pensioners, regardless of age, who have been retired for five years; (iv) recipients of an accidental death benefit, regardless of age, who have been receiving such benefit for five years and (v) the spouse of a deceased retiree receiving a lifetime benefit under an option elected by the retiree at retirement. An eligible spouse is entitled to one-half the cost-of-living adjustment amount that would have been paid to the retiree when the retiree would have met the eligibility criteria. This cost-of-living adjustment is a percentage of the annual retirement benefit of the eligible member as computed on a base benefit amount not to exceed \$18,000 (whole dollars) of the annual retirement benefit. The cost-of-living percentage shall be 50 percent of the annual Consumer Price Index as published by the U.S. Bureau of Labor, but cannot be less than 1 percent or exceed 3 percent.

Membership

As of January 1, 2019, January 1, 2018 and January 1, 2017, the dates of the most recent actuarial valuations, membership data for the following pension plans are as follows:

| Membership at: | January 1, 2019 | | January 1, 2018 | | TOTAL |
|--|--------------------------|--------------------|-----------------|-----------------------------|---------------|
| | MNR Cash Balance Plan | Additional Plan | MaBSTOA Plan | MTA Defined Benefit Plan | |
| Active Plan Members | 2 | 84 | 8,918 | 18,631 | 27,635 |
| Retirees and beneficiaries receiving benefits | 25 | 5,755 | 5,661 | 11,132 | 22,573 |
| Vested formerly active members not yet receiving benefits | 15 | 24 | 1,000 | 1,472 | 2,511 |
| Total | 42 | 5,863 | 15,579 | 31,235 | 52,719 |

| Membership at: | January 1, 2018 | | January 1, 2017 | | TOTAL |
|--|--------------------------|--------------------|-----------------|-----------------------------|---------------|
| | MNR Cash Balance Plan | Additional Plan | MaBSTOA Plan | MTA Defined Benefit Plan | |
| Active Plan Members | 2 | 146 | 8,739 | 18,048 | 26,935 |
| Retirees and beneficiaries receiving benefits | 26 | 5,833 | 5,523 | 10,861 | 22,243 |
| Vested formerly active members not yet receiving benefits | 15 | 28 | 1,006 | 1,433 | 2,482 |
| Total | 43 | 6,007 | 15,268 | 30,342 | 51,660 |

Contributions and Funding Policy

1. Additional Plan —

Employer contributions are actuarially determined on an annual basis and are recognized when due. The Additional Plan is a defined benefit plan administered by the Board of Pension Managers and is a governmental plan and accordingly, is not subject to the funding and other requirements of ERISA.

Upon termination of employment before retirement, vested participants who have been required to contribute must choose to: (1) receive a refund of their own contributions, including accumulated interest at rates established by the MTA Long Island Railroad's Board of Managers of Pensions (1.5% in 2018 and 2017), or (2) leave their contributions in the Additional Plan until they retire and become entitled to the pension benefits. Non-vested participants who have been required to contribute will receive a refund of their own contributions, including accumulated interest at rates established by the MTA Long Island Railroad's Board of Managers of Pensions (1.5% in 2018 and 2017).

Funding for the Additional Plan by the MTA Long Island Railroad is provided by MTA. Certain funding by MTA is made to the MTA Long Island Railroad on a discretionary basis. The continuance of the MTA Long Island Railroad's funding for the Additional Plan has been, and will continue to be, dependent upon the receipt of adequate funds.

2. MaBSTOA Plan —

The contribution requirements of MaBSTOA Plan members are established and may be amended only by the MaBSTOA Board in accordance with Article 10.01 of the MaBSTOA Plan. MaBSTOA's funding policy for periodic employer contributions is to provide for actuarially determined amounts that are designed to accumulate sufficient assets to pay benefits when due. It is MaBSTOA's policy to fund, at a minimum, the current year's normal pension cost plus amortization of the unfunded actuarial accrued liability.

The MaBSTOA Pension Plan includes the following plans, including the 2000 amendments which are all under the same terms and conditions as NYCERS:

- i. Tier 1 and 2 - Basic Plans;
- ii. Tier 3 and 4 - 55 and 25 Plan;
- iii. Tier 3 and 4 - Regular 62 and 5 Plan;
- iv. Tier 4 - 57 and 5 Plan
- v. Tier 6 - 55 and 25 Special Plan
- vi. Tier 6 - Basic 63 and 10 Plan

For employees, the MaBSTOA Plan has both contributory and noncontributory requirements depending on the date of entry into service. Employees entering qualifying service on or before July 26, 1976, are non-contributing (Tiers 1 and 2). Certain employees entering qualifying service on or after July 27, 1976, are required to contribute 3% of their salary (Tiers 3 and 4).

In March 2012, pursuant to Chapter 18 of the Laws of 2012, individuals joining NYCERS or the MaBSTOA Pension Plan on or after April 1, 2012 are subject to the provisions of Tier 6. The highlights of Tier 6 include:

- Increases in employee contribution rates. The rate varies depending on salary, ranging from 3% to 6% of gross wages. Contributions are made until retirement or separation from service.
- The retirement age increases to 63 and includes early retirement penalties, which reduce pension allowances by 6.5 percent for each year of retirement prior to age 63.
- Vesting after 10 years of credited service; increased from 5 years of credited service under Tier 3 and Tier 4.
- Adjustments of the Pension Multiplier for calculating pension benefits (excluding Transit Operating Employees): the multiplier will be 1.75% for the first 20 years of service, and 2% starting in the 21st year; for an employee who works 30 years, their pension will be 55% of Final Average Salary under Tier 4, instead of 60% percent under Tier 4.
- Adjustments to the Final Average Salary Calculation; the computation changed from an average of the final 3 years to an average of the final 5 years. Pensionable overtime will be capped at \$15,000 dollars per year plus an inflation factor.
- Pension buyback in Tier 6 will be at a rate of 6% of the wages earned during the period of buyback, plus 5% compounded annually from the date of service until date of payment.

Pursuant to Section 7.03 of the MaBSTOA Plan, active plan members are permitted to borrow up to 75% of their contributions with interest. Their total contributions and interest remain intact and interest continues to accrue on the full balance. The participant's accumulated contribution account is used as collateral against the loan.

3. MNR Cash Balance Plan —

Funding for the MNR Cash Balance Plan is provided by MTA Metro-North Railroad, a public benefit corporation that receives funding for its operations and capital needs from the MTA and the Connecticut Department of Transportation ("CDOT"). Certain funding by MTA is made to the MTA Metro-North Railroad on a discretionary basis. The continuance of funding for the MNR Cash Balance Plan has been, and will continue to be, dependent upon the receipt of adequate funds.

MTA Metro-North Railroad's funding policy with respect to the MNR Cash Balance Plan was to contribute the full amount of the pension benefit obligation ("PBO") of approximately \$2,977 to the trust fund in 1989. As participants retire, the Trustee has made distributions from the MNR Cash Balance Plan. MTA Metro-North Railroad anticipated that no further contributions would be made to the MNR Cash Balance Plan. However, due to changes in actuarial assumptions and market performance, additional contributions were made to the MNR Cash Balance Plan in several subsequent years.

4. MTA Defined Benefit Plan —

Employer contributions are actuarially determined on an annual basis. Amounts recognized as receivables for contributions include only those due pursuant to legal requirements. Employee contributions to the MTA Defined Benefit Plan are recognized in the period in which the contributions are due. There are no contributions required under the Metropolitan Suburban Bus Authority Employee's Pension Plan.

The following summarizes the employee contributions made to the MTA Defined Benefit Plan:

Effective January 1, 1994, covered MTA Metro-North Railroad and MTA Long Island Railroad non-represented employees are required to contribute to the MTA Plan to the extent that their Railroad Retirement Tier II employee contribution is less than the pre-tax cost of the 3% employee contributions. Effective October 1, 2000, employee contributions, if any, were eliminated after ten years of making contributions to the MTA Plan. MTA Metro-North Railroad employees may purchase prior service from January 1, 1983 through December 31, 1993 and MTA Long Island Railroad employees may purchase prior service from January 1, 1988 through December 31, 1993 by paying the contributions that would have been required of that employee for the years in question, calculated as described in the first sentence, had the MTA Plan been in effect for those years.

Police Officers who become participants of the MTA Police Program prior to January 9, 2010 contribute to that program at various rates. Police Officers who become participants on or after January 9, 2010, but before April 1, 2012 contribute 3% up to the completion of 30 years of service, the maximum amount of service credit allowed. Police Officers who become participants on or after April 1, 2012 contribute 3%, with additional new rates starting April 2013, ranging from 3.5%, 4.5%, 5.75%, to 6%, depending on salary level, for their remaining years of service.

Covered MTA Metro-North Railroad represented employees and MTA Long Island Railroad represented employees who first became eligible to be MTA Plan participants prior to January 30, 2008 contribute 3% of salary. MTA Staten Island Railway employees contribute 3% of salary except for represented employees hired on or after June 1, 2010 who contribute 4%. MTA Long Island Railroad represented employees who became participants after January 30, 2008 contribute 4% of salary. For the MTA Staten Island Railway employees, contributions are not required after the completion of ten years of credited service. MTA Long Island Railroad represented employees are required to make the employee contributions for ten years, or fifteen years if hired after certain dates in 2014 as per collective bargaining agreements. Certain Metro-North represented employees, depending on their collective bargaining agreements, are required to make the employee contributions until January 1, 2014, January 1, 2017, June 30, 2017, or the completion of required years of credited service as per the relevant collective bargaining agreements.

Covered MTA Bus represented employees and certain non-represented employees are required to contribute a fixed dollar amount, which varies, by depot. Currently, non-represented employees at certain Depots, contribute \$21.50 (whole dollars) per week. Non-represented employees at Eastchester hired prior to 2007 contribute \$25 (whole dollars) per week. Represented employees at Baisley Park, College Point, Eastchester, Far Rockaway, JFK, LaGuardia and Yonkers Depots contribute \$29.06 (whole dollars) per week; Spring Creek represented employees contribute \$32.00 (whole dollars) per week. Certain limited number of represented employees promoted prior to the resolution of a bargaining impasse continue to participate in the MTA Defined Benefit Plan that was in effect before their promotion. Certain MTA Bus non-represented employees who are formerly employed by the private bus companies (Jamaica, Green, Triboro and Command) at Baisley Park, Far Rockaway, JFK, LaGuardia and Spring Creek Depots who are in the pension program covering only such employees make no contributions to the program. (Note: the dollar figures in this paragraph are in dollars, not in millions of dollars).

5. NYCERS —

NYCERS funding policy is to contribute statutorily-required contributions (“Statutory Contributions”), determined by the Chief Actuary for the New York City Retirement Systems, in accordance with State statutes and City laws, and are generally funded by employers within the appropriate Fiscal Year. The Statutory Contributions are determined under the One-Year Lag Methodology (“OYLM”). Under OYLM, the actuarial valuation date is used for calculating the Employer Contributions for the second following Fiscal Year. Statutory Contributions are determined annually to be an amount that, together with member contributions and investment income, provides for NYCERS’ assets to be sufficient to pay benefits when due.

Member contributions are established by law. NYCERS has both contributory and noncontributory requirements, with retirement age varying from 55 to 70 depending upon when an employee last entered qualifying service.

In general, Tier 1 and Tier 2 member contribution rates are dependent upon the employee’s age at membership and retirement plan election. In general, Tier 3 and Tier 4 members make basic contributions of 3.0% of salary, regardless of age at membership. Effective October 1, 2000, in accordance with Chapter 126 of the Laws of 2000, these members, except for certain Transit Authority employees enrolled in the Transit 20-Year Plan, are not required to make basic contributions after the 10th anniversary of their membership date or completion of ten years of credited service, whichever is earlier. In addition, members who meet certain eligibility requirements will receive one month’s additional service credit for each completed year of service up to a maximum of two additional years of service credit. Effective December 2000, certain Transit Authority Tier 3 and Tier 4 members make basic member contributions of 2.0% of salary, in accordance with Chapter 10 of the Laws of 2000. Certain Tier 2, Tier 3 and Tier 4 members who are participants in special retirement plans are required to make additional member contributions of 1.85%, in addition to their base membership contribution. Tier 6 members are mandated to contribute between 3.0% and 6.0% of salary, depending on salary level, until they separate from City service or until they retire.

NYCERS established a “special program” for employees hired on or after July 26, 1976. A plan for employees, who have worked 20 years, and reached age 50, is provided to Bridge and Tunnel Officers, Sergeants and Lieutenants and Maintainers. Also, an age 57 retirement plan is available for all other such MTA Bridges and Tunnels employees. Both these plans required increased employee contributions.

Certain retirees also receive supplemental benefits from MTA Bridges and Tunnels. Certain participants are permitted to borrow up to 75% of their own contributions including accumulated interest. These loans are accounted for as reductions in such participants’ contribution accounts. Upon termination of employment before retirement, certain members are entitled to refunds of their own contributions, including accumulated interest, less any outstanding loan balances.

MTA New York City Transit and MTA Bridges and Tunnels are required to contribute at an actuarially determined rate. The contribution requirements of plans members, MTA New York City Transit and MTA Bridges and Tunnels are established and amended by law.

6. NYSLERS —

Employer Contributions - Under the authority of the RSSL, the Comptroller annually certifies the actuarially determined rates expressly used in computing the employers’ contributions based on salaries paid during the NYSLERS fiscal year ending June 30.

Member Contributions - NYSLERS is noncontributory except for employers who joined the plan after July 27, 1976. Generally, Tier 3, 4, and 5 members must contribute 3% of their salary to NYSLERS. As a result of Article 19 of the RSSL, eligible Tier 3 and 4 employees, with a membership date on or after July 27, 1976, who have ten or more years of membership or credited service with NYSLERS, are not required to contribute. Members cannot be required to begin making contributions or to make increased contributions beyond what was required when membership began. For Tier 6 members, the contribution rate varies from 3% to 6% depending on salary. Generally, Tier 5 and 6 members are required to contribute for all years of service.

MTAHQ, MTA Capital Construction and MTA Long Island Bus are required to contribute at an actuarially determined rate.

A summary of the aggregate actual contributions made to each pension plan for the years ended December 31, 2019 and 2018 are as follows:

| Year-ended December 31, (\$ in millions) | 2019 | 2018 |
|---|----------------------------------|----------------------------------|
| | Actual Employer Contributions | Actual Employer Contributions |
| Additional Plan | \$ 62.8 | \$ 59.5 |
| MaBSTOA Plan | 206.4 | 205.4 |
| MNR Cash Balance Plan | - * | - * |
| MTA Defined Benefit Plan | 343.9 | 339.8 |
| NYCERS | 952.6 | 807.1 |
| NYSLERS | 14.9 | 14.5 |
| Total | <u>\$ 1,580.6</u> | <u>\$ 1,426.3</u> |

*MNR Cash Balance Plan's actual employer contribution for the years ended December 31, 2019 and 2018 was \$0 thousand and \$5 thousand, respectively.

Net Pension Liability

The MTA's net pension liabilities for each of the pension plans reported at December 31, 2019 and 2018 were measured as of the fiscal year-end dates for each respective pension plan. The total pension liabilities used to calculate those net pension liabilities were determined by actuarial valuations as of each pension plan's valuation date, and rolled forward to the respective year-ends for each pension plan. Information about the fiduciary net position of each qualified pension plan's fiduciary net position has been determined on the same basis as reported by each respective qualified pension plan. For this purpose, benefits and refunds are recognized when due and payable in accordance with the terms of the respective qualified pension plan, and investments are reported at fair value. The following table provides the measurement and valuation dates used by each pension plan to calculate the MTA's aggregate net pension liability.

| Pension Plan | Plan Measurement Date | Plan Valuation Date | Plan Measurement Date | Plan Valuation Date |
|---------------------------------|--------------------------|------------------------|--------------------------|------------------------|
| Additional Plan | December 31, 2018 | January 1, 2018 | December 31, 2017 | January 1, 2017 |
| MaBSTOA Plan | December 31, 2018 | January 1, 2018 | December 31, 2017 | January 1, 2017 |
| MNR Cash Balance Plan | December 31, 2018 | January 1, 2019 | December 31, 2017 | January 1, 2018 |
| MTA Defined Benefit Plan | December 31, 2018 | January 1, 2018 | December 31, 2017 | January 1, 2017 |
| NYCERS | June 30, 2019 | June 30, 2018 | June 30, 2018 | June 30, 2016 |
| NYSLERS | March 31, 2019 | April 1, 2018 | March 31, 2018 | April 1, 2017 |

Pension Plan Fiduciary Net Position

Detailed information about the fiduciary net position of the Additional Plan, MaBSTOA Plan, MNR Cash Balance Plan, MTA Defined Benefit Plan, NYCERS plan and the NYSLERS plan is available in the separately issued pension plan financial reports for each respective plan.

Actuarial Assumptions

The total pension liabilities in each pension plan's actuarial valuation dates were determined using the following actuarial assumptions for each pension plan, applied to all periods included in the measurement date:

| Valuation Date: | Additional Plan | | MaBSTOA Plan | | MNR Cash Balance Plan | |
|----------------------------|---|---|---|---|--|--|
| | January 1, 2018 | January 1, 2017 | January 1, 2018 | January 1, 2017 | January 1, 2019 | January 1, 2018 |
| Investment Rate of Return | 7.00% per annum, net of investment expenses. | 7.00% per annum, net of investment expenses. | 7.00% per annum, net of investment expenses. | 7.00% per annum, net of investment expenses. | 4.00% per annum, net of investment expenses. | 4.00% per annum, net of investment expenses. |
| Salary Increases | 3.00% | 3.00% | Reflecting general wage, merit and promotion increases of 3.5% for operating employees and 4.0% for non-operating employees per year. Larger increases are assumed in the first 5 years of a member's career. | Reflecting general wage, merit and promotion increases of 3.5% for operating employees and 4.0% for non-operating employees per year. Larger increases are assumed in the first 5 years of a member's career. | Not applicable | Not applicable |
| Inflation | 2.50%; 3.50% for Railroad Retirement Wage Base. | 2.50%; 3.50% for Railroad Retirement Wage Base. | 2.50%. | 2.50%. | 2.50% | 2.30% |
| Cost-of-Living Adjustments | Not applicable | Not applicable | 1.375% per annum. | 1.375% per annum. | Not applicable | Not applicable |

| Valuation Date: | MTA Defined Benefit Plan | | NYCERS | | NYSLERS | |
|----------------------------|--|--|---|---|---|---|
| | January 1, 2018 | January 1, 2017 | June 30, 2018 | June 30, 2016 | April 1, 2018 | April 1, 2017 |
| Investment Rate of Return | 7.00% per annum, net of investment expenses. | 7.00% per annum, net of investment expenses. | 7.00% per annum, net of expenses. | 7.00% per annum, net of expenses. | 7.00% per annum, including inflation, net of investment expenses. | 7.00% per annum, including inflation, net of investment expenses. |
| Salary Increases | Varies by years of employment, and employee group; 3.0% General Wage Increases for TWU Local 100 MTA Bus hourly employees. | Varies by years of employment, and employee group; 3.0% General Wage Increases for TWU Local 100 MTA Bus hourly employees. | In general, merit and promotion increases plus assumed General Wage increases of 3.0% per year. | In general, merit and promotion increases plus assumed General Wage increases of 3.0% per year. | 3.8% in ERS, 4.5% in PFRS | 3.8% in ERS, 4.5% in PFRS |
| Inflation | 2.50%; 3.50% for Railroad Retirement Wage Base. | 2.50%; 3.00% for Railroad Retirement Wage Base. | 2.50% | 2.50% | 2.50% | 2.50% |
| Cost-of-Living Adjustments | 55% of inflation assumption or 1.375%, if applicable. | 55% of inflation assumption or 1.375%, if applicable. | 1.5% per annum for Tiers 1, 2, 4 and certain Tier 3 and Tier 6 retirees. 2.5% per annum for certain Tier 3 and Tier 6 retirees. | 1.5% per annum for Tiers 1, 2, 4 and certain Tier 3 and Tier 6 retirees. 2.5% per annum for certain Tier 3 and Tier 6 retirees. | 1.30% per annum. | 1.30% per annum. |

Mortality

Additional Plan / MaBSTOA Plan/ MNR Cash Balance Plan and MTA Defined Benefit Plan:

The actuarial assumptions used in the January 1, 2019, 2018, and 2017 valuations for the MTA plans are based on an experience study covering the period from January 1, 2006 to December 31, 2011. The mortality assumption used in the January 1, 2019, 2018, and 2017 valuations are based on an experience study for all MTA plans covering the period from January 1, 2011 to December 31, 2015. The pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA, as recommended by the Society of Actuaries Retirement Plans Experience Committee. As generational tables, they reflect mortality improvements both before and after the measurement date.

Pre-retirement: The MTA plans utilized RP-2000 Employee Mortality Table for Males and Females with Blue collar adjustments.

Post-retirement Healthy Lives: Assumption utilized 95% of RP-2000 Healthy Annuitant mortality table for males with Blue Collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females.

Post-retirement Disabled Lives: Assumption utilized in the January 1, 2018 and 2017 valuation was the RP-2014 Disabled Annuitant mortality table for males and females. This assumption was not applicable for the Additional Plan and the MNR Cash Balance Plan.

NYCERS:

Pursuant to Section 96 of the New York City Charter, an independent actuarial firm conducts studies of the actuarial assumptions used to value liabilities of the NYCERS pension plan every two years. In accordance, with the Administrative Code of the City of New York (“ACNY”), the Board of Trustees of NYCERS are to periodically review and adopt actuarial assumptions as proposed by the Actuary for use in the determination of Employer Contributions.

Mortality tables for service and disability pensioners were developed from experience studies of the NYCERS Plan. The mortality tables for beneficiaries were developed from an experience review.

The actuarial assumptions used in the June 30, 2018 and June 30, 2016 valuations are based, in part, on the Gabriel, Roeder, Smith & Company (“GRS”) report, on published studies of mortality improvement, and on input from the NYC’s outside consultants and auditors, the Actuary proposed, and the Board of Trustees of NYCERS adopted, new post-retirement mortality tables for use in determining employer contributions beginning in Fiscal Year 2016. The new tables of post-retirement are based primarily on the experience of NYCERS and the application of the Mortality Improvement Scale MP-2015, published by the Society of Actuaries in October 2015. Scale MP-2015 replaced Mortality Improvement Scale AA.

NYSLERS:

The actuarial assumptions used in the April 1, 2018 and April 1, 2017 valuations are based on the results of an actuarial experience study for the period April 1, 2010 through March 31, 2015. The annuitant mortality rates are based on the results of the 2015 experience study of the period April 1, 2010 through March 31, 2015, with adjustments for mortality improvements based on the Society of Actuaries’ Scale MP-2014.

Expected Rate of Return on Investments

The long-term expected rate of return on pension plan investments for each pension plan is presented in the following table.

| Pension Plan | Plan Measurement Date | Rate |
|---------------------------------|------------------------------|-------------|
| Additional Plan | December 31, 2018 | 7.00% |
| MaBSTOA Plan | December 31, 2018 | 7.00% |
| MNR Cash Balance Plan | December 31, 2018 | 4.00% |
| MTA Defined Benefit Plan | December 31, 2018 | 7.00% |
| NYCERS | June 30, 2019 | 7.00% |
| NYSLERS | March 31, 2019 | 7.00% |

For the Additional Plan, MaBSTOA Plan, MNR Cash Balance Plan, MTA Defined Benefit Plan, NYCERS plan and NYSLERS plan, the long-term expected rate of return on investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation.

The target asset allocation of each of the funds and the expected real rate of returns (“RROR”) for each of the asset classes are summarized in the following tables for each of the pension plans:

| Asset Class | Additional Plan | | MaBSTOA Plan | |
|--|-------------------------|--|-------------------------|--|
| | Target Asset Allocation | Long - Term Expected Real Rate of Return | Target Asset Allocation | Long - Term Expected Real Rate of Return |
| US Core Fixed Income | 9.00% | 2.03% | 9.00% | 2.03% |
| US Long Bonds | 1.00% | 2.44% | 1.00% | 2.44% |
| US Bank / Leveraged Loans | 7.00% | 3.08% | 7.00% | 3.08% |
| US Inflation-Indexed Bonds | 2.00% | 1.16% | 2.00% | 1.16% |
| US High Yield Bonds | 4.00% | 3.93% | 4.00% | 3.93% |
| Emerging Markets Bonds | 2.00% | 3.76% | 2.00% | 3.76% |
| US Large Caps | 12.00% | 4.71% | 12.00% | 4.71% |
| US Small Caps | 6.00% | 5.93% | 6.00% | 5.93% |
| Foreign Developed Equity | 12.00% | 6.15% | 12.00% | 6.15% |
| Emerging Markets Equity | 5.00% | 8.22% | 5.00% | 8.22% |
| Global REITs | 1.00% | 5.80% | 1.00% | 5.80% |
| Private Real Estate Property | 4.00% | 3.69% | 4.00% | 3.69% |
| Private Equity | 9.00% | 9.50% | 9.00% | 9.50% |
| Commodities | 1.00% | 2.85% | 1.00% | 2.85% |
| Hedge Funds - MultiStrategy | 16.00% | 3.28% | 16.00% | 3.28% |
| Hedge Funds - Event-Driven | 6.00% | 3.38% | 6.00% | 3.38% |
| Hedge Funds - Equity Hedge | 3.00% | 3.85% | 3.00% | 3.85% |
| | <u>100.00%</u> | | <u>100.00%</u> | |
| Assumed Inflation - Mean | | 2.50% | | 2.50% |
| Assumed Inflation - Standard Deviation | | 1.65% | | 1.65% |
| Portfolio Nominal Mean Return | | 7.19% | | 7.19% |
| Portfolio Standard Deviation | | 10.87% | | 10.87% |
| Long Term Expected Rate of Return selected by MTA | | 7.00% | | 7.00% |

| Asset Class | MTA Defined Benefit Plan | | MNR Cash Balance Plan | |
|--|--------------------------|--|-------------------------|--|
| | Target Asset Allocation | Long - Term Expected Real Rate of Return | Target Asset Allocation | Long - Term Expected Real Rate of Return |
| US Core Fixed Income | 9.00% | 2.03% | 100.00% | 1.58% |
| US Long Bonds | 1.00% | 2.44% | - | - |
| US Bank / Leveraged Loans | 7.00% | 3.08% | - | - |
| US Inflation-Indexed Bonds | 2.00% | 1.16% | - | - |
| US High Yield Bonds | 4.00% | 3.93% | - | - |
| Emerging Markets Bonds | 2.00% | 3.76% | - | - |
| US Large Caps | 12.00% | 4.71% | - | - |
| US Small Caps | 6.00% | 5.93% | - | - |
| Foreign Developed Equity | 12.00% | 6.15% | - | - |
| Emerging Markets Equity | 5.00% | 8.22% | - | - |
| Global REITs | 1.00% | 5.80% | - | - |
| Private Real Estate Property | 4.00% | 3.69% | - | - |
| Private Equity | 9.00% | 9.50% | - | - |
| Commodities | 1.00% | 2.85% | - | - |
| Hedge Funds - MultiStrategy | 16.00% | 3.28% | - | - |
| Hedge Funds - Event-Driven | 6.00% | 3.38% | - | - |
| Hedge Funds - Equity Hedge | 3.00% | 3.85% | - | - |
| | <u>100.00%</u> | | <u>100.00%</u> | |
| Assumed Inflation - Mean | | 2.50% | | 2.50% |
| Assumed Inflation - Standard Deviation | | 1.65% | | 1.65% |
| Portfolio Nominal Mean Return | | 7.19% | | 4.09% |
| Portfolio Standard Deviation | | 10.87% | | 3.90% |
| Long Term Expected Rate of Return selected by MTA | | 7.00% | | 4.00% |

| Asset Class | NYCERS | | NYSLERS | |
|--|-------------------------|--|-------------------------|--|
| | Target Asset Allocation | Long - Term Expected Real Rate of Return | Target Asset Allocation | Long - Term Expected Real Rate of Return |
| U.S. Public Market Equities | 29.00% | 7.00% | 36.00% | 4.55% |
| International Public Market Equities | 13.00% | 7.10% | 14.00% | 6.35% |
| Emerging Public Market Equities | 7.00% | 9.40% | 0.00% | 0.00% |
| Private Market Equities | 7.00% | 10.50% | 10.00% | 7.50% |
| Fixed Income | 33.00% | 2.20% | 17.00% | 1.31% |
| Alternatives (Real Assets, Hedge Funds) | 11.00% | 5.70% | 3.00% | 5.29% |
| Real Estate | - | - | 10.00% | 5.55% |
| Absolute Return Strategies | - | - | 2.00% | 3.75% |
| Opportunistic Portfolio | - | - | 3.00% | 5.68% |
| Cash | - | - | 1.00% | -0.25% |
| Inflation-indexed Bonds | - | - | 4.00% | 1.25% |
| | 100.00% | | 100.00% | |
| Assumed Inflation - Mean | | 2.50% | | 2.50% |
| Long Term Expected Rate of Return | | 7.00% | | 7.00% |

Discount rate

The discount rate used to measure the total pension liability of each pension plan is presented in the following table:

| Year ended December 31, | Discount Rate | | | |
|---------------------------------|-----------------------|-------|-----------------------|-------|
| | 2019 | | 2018 | |
| | Plan Measurement Date | Rate | Plan Measurement Date | Rate |
| Pension Plan | | | | |
| Additional Plan | December 31, 2018 | 7.00% | December 31, 2017 | 7.00% |
| MaBSTOA Plan | December 31, 2018 | 7.00% | December 31, 2017 | 7.00% |
| MNR Cash Balance Plan | December 31, 2018 | 4.00% | December 31, 2017 | 4.00% |
| MTA Defined Benefit Plan | December 31, 2018 | 7.00% | December 31, 2017 | 7.00% |
| NYCERS | June 30, 2019 | 7.00% | June 30, 2018 | 7.00% |
| NYSLERS | March 31, 2019 | 7.00% | March 31, 2018 | 7.00% |

The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the rates applicable for each pension plan and that employer contributions will be made at the rates determined by each pension plan's actuary. Based on those assumptions, each pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current and inactive plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Changes in Net Pension Liability – Additional Plan, MaBSTOA Plan, MNR Cash Balance Plan and the MTA Defined Benefit Plan

Changes in the MTA's net pension liability for the Additional Plan, MaBSTOA Plan, MNR Cash Balance Plan and the MTA Defined Benefit Plan for the year ended December 31, 2019, based on the December 31, 2018 measurement date, and for the year ended December 31, 2018, based on the December 31, 2017 measurement date, were as follows:

| | Additional Plan | | | MaBSTOA Plan | | |
|---|-------------------------|-----------------------------|-----------------------|-------------------------|-----------------------------|-----------------------|
| | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability |
| | (in thousands) | | | | | |
| Balance as of December 31, 2017 | \$ 1,471,828 | \$ 951,327 | \$ 520,501 | \$ 3,676,476 | \$ 2,918,989 | \$ 757,487 |
| Changes for fiscal year 2018: | | | | | | |
| Service Cost | 1,057 | - | 1,057 | 86,979 | - | 86,979 |
| Interest on total pension liability | 97,611 | - | 97,611 | 256,084 | - | 256,084 |
| Effect of economic /demographic (gains) or losses | 213 | - | 213 | 5,412 | - | 5,412 |
| Benefit payments | (159,565) | (159,565) | - | (213,827) | (213,827) | - |
| Administrative expense | - | (1,180) | 1,180 | - | (196) | 196 |
| Member contributions | - | 333 | (333) | - | 21,955 | (21,955) |
| Net investment income | - | (31,098) | 31,098 | - | (87,952) | 87,952 |
| Employer contributions | - | 59,500 | (59,500) | - | 205,433 | (205,433) |
| Balance as of December 31, 2018 | <u>\$ 1,411,144</u> | <u>\$ 819,317</u> | <u>\$ 591,827</u> | <u>\$ 3,811,124</u> | <u>\$ 2,844,402</u> | <u>\$ 966,722</u> |

| | Additional Plan | | | MaBSTOA Plan | | |
|---|-------------------------|-----------------------------|-----------------------|-------------------------|-----------------------------|-----------------------|
| | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability |
| | (in thousands) | | | | | |
| Balance as of December 31, 2016 | \$ 1,526,304 | \$ 777,217 | \$ 749,087 | \$ 3,536,747 | \$ 2,555,735 | \$ 981,012 |
| Changes for fiscal year 2017: | | | | | | |
| Service Cost | 1,874 | - | 1,874 | 84,394 | - | 84,394 |
| Interest on total pension liability | 101,477 | - | 101,477 | 246,284 | - | 246,284 |
| Effect of economic /demographic (gains) or losses | 1,890 | - | 1,890 | 11,826 | - | 11,826 |
| Effect of assumption changes or inputs | - | - | - | 6,347 | - | 6,347 |
| Benefit payments | (159,717) | (159,717) | - | (209,122) | (209,122) | - |
| Administrative expense | - | (1,070) | 1,070 | - | (207) | 207 |
| Member contributions | - | 760 | (760) | - | 19,713 | (19,713) |
| Net investment income | - | 112,614 | (112,614) | - | 350,186 | (350,186) |
| Nonemployer contributions | - | 145,000 | (145,000) | - | - | - |
| Employer contributions | - | 76,523 | (76,523) | - | 202,684 | (202,684) |
| Balance as of December 31, 2017 | <u>\$ 1,471,828</u> | <u>\$ 951,327</u> | <u>\$ 520,501</u> | <u>\$ 3,676,476</u> | <u>\$ 2,918,989</u> | <u>\$ 757,487</u> |

| | MNR Cash Balance Plan | | | MTA Defined Benefit Plan | | |
|--|-------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------|-----------------------|
| | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability |
| | (in thousands) | | | | | |
| Balance as of December 31, 2017 | \$ 528 | \$ 523 | \$ 5 | \$ 5,072,814 | \$ 4,051,534 | \$ 1,021,280 |
| Changes for fiscal year 2018: | | | | | | |
| Service Cost | - | - | - | 162,273 | - | 162,273 |
| Interest on total pension liability | 20 | - | 20 | 358,118 | - | 358,118 |
| Effect of plan changes | - | - | - | 61,890 | - | 61,890 |
| Effect of economic / demographic (gains) or losses | (11) | - | (11) | 75,744 | - | 75,744 |
| Benefit payments | (58) | (58) | - | (242,349) | (242,349) | - |
| Administrative expense | - | - | - | - | (3,152) | 3,152 |
| Member contributions | - | - | - | - | 29,902 | (29,902) |
| Net investment income | - | 1 | (1) | - | (150,422) | 150,422 |
| Employer contributions | - | 5 | (5) | - | 338,967 | (338,967) |
| Balance as of December 31, 2018 | <u>\$ 479</u> | <u>\$ 471</u> | <u>\$ 8</u> | <u>\$ 5,488,490</u> | <u>\$ 4,024,480</u> | <u>\$ 1,464,010</u> |

| | MNR Cash Balance Plan | | | MTA Defined Benefit Plan | | |
|--|-------------------------|-----------------------------|-----------------------|--------------------------|-----------------------------|-----------------------|
| | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability | Total Pension Liability | Plan Fiduciary Net Position | Net Pension Liability |
| | (in thousands) | | | | | |
| Balance as of December 31, 2016 | \$ 566 | \$ 574 | \$ (8) | \$ 4,761,877 | \$ 3,419,971 | \$ 1,341,906 |
| Changes for fiscal year 2017: | | | | | | |
| Service Cost | - | - | - | 148,051 | - | 148,051 |
| Interest on total pension liability | 21 | - | 21 | 335,679 | - | 335,679 |
| Effect of plan changes | - | - | - | 76,511 | - | 76,511 |
| Effect of economic / demographic (gains) or losses | 12 | - | 12 | (27,059) | - | (27,059) |
| Effect of assumption changes or inputs | - | - | - | 10,731 | - | 10,731 |
| Benefit payments | (71) | (71) | - | (232,976) | (232,976) | - |
| Administrative expense | - | - | - | - | (4,502) | 4,502 |
| Member contributions | - | - | - | - | 31,027 | (31,027) |
| Net investment income | - | 20 | (20) | - | 516,153 | (516,153) |
| Employer contributions | - | - | - | - | 321,861 | (321,861) |
| Balance as of December 31, 2017 | <u>\$ 528</u> | <u>\$ 523</u> | <u>\$ 5</u> | <u>\$ 5,072,814</u> | <u>\$ 4,051,534</u> | <u>\$ 1,021,280</u> |

Sensitivity of the Net Pension Liability to Changes in the Discount Rate

The following presents the MTA's net pension liability calculated for the Additional Plan, MaBSTOA Plan, MNR Cash Balance Plan and the MTA Defined Benefit Plan using the discount rate as of each measurement date, as well as what the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the actual discount rate used for each measurement date:

| Measurement Date: | December 31, 2018 | | | December 31, 2017 | | |
|--------------------------|-----------------------|----------------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) |
| | (in thousands) | | | (in thousands) | | |
| Additional Plan | \$ 701,222 | \$ 591,827 | \$ 496,547 | \$ 636,713 | \$ 520,501 | \$ 419,474 |
| MaBSTOA Plan | 1,388,193 | 966,722 | 607,684 | 1,166,477 | 757,487 | 409,121 |
| MTA Defined Benefit Plan | 2,146,497 | 1,464,010 | 888,282 | 1,648,216 | 1,021,280 | 492,284 |

| | December 31, 2018 | | | December 31, 2017 | | |
|-----------------------|-----------------------|----------------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| | 1% Decrease (3.0%) | Discount Rate (4.0%) | 1% Increase (5.0%) | 1% Decrease (3.0%) | Discount Rate (4.0%) | 1% Increase (5.0%) |
| | (in whole dollars) | | | (in whole dollars) | | |
| MNR Cash Balance Plan | \$ 35,157 | \$ 8,252 | \$ (15,544) | \$ 35,109 | \$ 5,235 | \$ (21,154) |

The MTA's Proportion of Net Pension Liability – NYCERS and NYSLERS

The following table presents the MTA's proportionate share of the net pension liability of NYCERS based on the June 30, 2018 and June 30, 2016 actuarial valuations, rolled forward to June 30, 2019 and June 30, 2018, respectively, and the proportion percentage of the aggregate net pension liability allocated to the MTA:

| | NYCERS | |
|--|-------------------|---------------|
| | June 30, 2019 | June 30, 2018 |
| | (\$ in thousands) | |
| MTA's proportion of the net pension liability | 24.493% | 23.682% |
| MTA's proportionate share of the net pension liability | \$ 4,536,510 | \$ 4,176,941 |

The following table presents the MTA's proportionate share of the net pension liability of NYSLERS based on the April 1, 2019 and April 1, 2018 actuarial valuations, rolled forward to March 31, 2019 and March 31, 2018, respectively, and the proportion percentage of the aggregate net pension liability allocated to the MTA:

| | NYSLERS | |
|--|-------------------|----------------|
| | March 31, 2019 | March 31, 2018 |
| | (\$ in thousands) | |
| MTA's proportion of the net pension liability | 0.345% | 0.327% |
| MTA's proportionate share of the net pension liability | \$ 24,472 | \$ 10,553 |

The MTA's proportion of each respective Plan's net pension liability was based on the MTA's actual required contributions made to NYCERS for the plan's fiscal year-end June 30, 2019 and 2018 and to NYSLERS for the plan's fiscal year-end March 31, 2019 and 2018, relative to the contributions of all employers in each plan.

Sensitivity of the MTA's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the MTA's proportionate share of the net pension liability for NYCERS and NYSLERS calculated using the discount rate as of each measurement date, as well as what the proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the actual discount rate used as of each measurement date (\$ in thousands):

| Measurement Date: | June 30, 2019 | | | June 30, 2018 | | |
|-------------------|-----------------------|-------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) |
| NYCERS | \$ 6,997,746 | \$ 4,536,510 | \$ 2,458,418 | \$ 6,402,891 | \$ 4,176,941 | \$ 2,298,962 |

| Measurement Date: | March 31, 2018 | | | March 31, 2018 | | |
|-------------------|-----------------------|-------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) | 1% Decrease (6.0%) | Discount Rate (7.0%) | 1% Increase (8.0%) |
| NYSLERS | \$ 106,997 | \$ 24,472 | \$ (44,854) | \$ 79,847 | \$ 10,553 | \$ (48,067) |

Pension Expense, Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

For the years ended years ended December 31, 2019 and 2018, the MTA recognized pension expense related to each pension plan as follows (in \$ thousands):

| Pension Plan | December 31, | |
|--------------------------|---------------------|---------------------|
| | 2019 | 2018 |
| Additional Plan | \$ 57,499 | \$ 47,936 |
| MaBSTOA Plan | 160,176 | 116,967 |
| MNR Cash Balance plan | (3) | 16 |
| MTA Defined Benefit Plan | 391,556 | 316,900 |
| NYCERS | 926,721 | 510,157 |
| NYSLERS | 17,569 | 13,885 |
| Total | \$ 1,553,518 | \$ 1,005,861 |

For the years ended years ended December 31, 2019 and 2018, the MTA reported deferred outflow of resources and deferred inflow of resources for each pension plan as follows (in \$ thousands):

| For the Year Ended December 31, 2019 | Additional Plan | | MaBSTOA Plan | | MNR Cash Balance Plan | | MTA Defined Benefit Plan | |
|--|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources |
| Differences between expected and actual experience | \$ - | \$ - | \$ 20,188 | \$ 25,455 | \$ - | \$ - | \$ 181,199 | \$ 20,403 |
| Changes in assumptions | - | - | 4,394 | - | - | - | 8,081 | 37,113 |
| Net difference between projected and actual earnings on pension plan investments | 50,828 | - | 148,979 | - | 24 | - | 226,387 | - |
| Changes in proportion and differences between contributions and proportionate share of contributions | - | - | - | - | - | - | 36,724 | 36,724 |
| Employer contributions to the plan subsequent to the measurement of net pension liability | 62,773 | - | 206,390 | - | - | - | 343,871 | - |
| Total | <u>\$ 113,601</u> | <u>\$ -</u> | <u>\$ 379,951</u> | <u>\$ 25,455</u> | <u>\$ 24</u> | <u>\$ -</u> | <u>\$ 796,262</u> | <u>\$ 94,240</u> |

| For the Year Ended December 31, 2019 | NYCERS | | NYSLERS | | TOTAL | |
|--|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources |
| Differences between expected and actual experience | \$ 379,340 | \$ 315,130 | \$ 4,819 | \$ 1,643 | \$ 585,546 | \$ 362,631 |
| Changes in assumptions | 2,898 | 190,222 | 6,152 | - | 21,525 | 227,335 |
| Net difference between projected and actual earnings on pension plan investments | - | 281,488 | - | 6,281 | 426,218 | 287,769 |
| Changes in proportion and differences between contributions and proportionate share of contributions | 163,385 | 19,945 | 3,827 | - | 203,936 | 56,669 |
| Employer contributions to the plan subsequent to the measurement of net pension liability | 478,069 | - | 14,851 | - | 1,105,954 | - |
| Total | <u>\$ 1,023,692</u> | <u>\$ 806,785</u> | <u>\$ 29,649</u> | <u>\$ 7,924</u> | <u>\$ 2,343,179</u> | <u>\$ 934,404</u> |

| For the Year Ended December 31, 2018 | Additional Plan | | MaBSTOA Plan | | MNR Cash Balance Plan | | MTA Defined Benefit Plan | |
|--|--|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources |
| | Differences between expected and actual experience | \$ - | \$ - | \$ 19,549 | \$ 36,673 | \$ - | \$ - | \$ 141,294 |
| Changes in assumptions | - | - | 5,370 | - | - | - | 9,406 | 46,880 |
| Net difference between projected and actual earnings on pension plan investments | - | 22,499 | - | 83,734 | 16 | 2 | - | 112,897 |
| Changes in proportion and differences between contributions and proportionate share of contributions | - | - | - | - | - | - | 50,989 | 50,989 |
| Employer contributions to the plan subsequent to the measurement of net pension liability | 59,500 | - | 205,433 | - | 5 | - | 339,800 | - |
| Total | <u>\$ 59,500</u> | <u>\$ 22,499</u> | <u>\$ 230,352</u> | <u>\$ 120,407</u> | <u>\$ 21</u> | <u>\$ 2</u> | <u>\$ 541,489</u> | <u>\$ 234,514</u> |

| For the Year Ended December 31, 2018 | NYCERS | | NYSLERS | | TOTAL | |
|--|--|-------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources |
| | Differences between expected and actual experience | \$ - | \$ 403,424 | \$ 3,763 | \$ 3,110 | \$ 164,606 |
| Changes in assumptions | 63,653 | - | 6,998 | - | 85,427 | 46,880 |
| Net difference between projected and actual earnings on pension plan investments | - | 234,268 | - | 14,927 | 15 | 468,327 |
| Changes in proportion and differences between contributions and proportionate share of contributions | 46,817 | 36,998 | 3,363 | 66 | 101,169 | 88,053 |
| Employer contributions to the plan subsequent to the measurement of net pension liability | 426,474 | - | 14,501 | - | 1,045,713 | - |
| Total | <u>\$ 536,944</u> | <u>\$ 674,690</u> | <u>\$ 28,625</u> | <u>\$ 18,103</u> | <u>\$ 1,396,930</u> | <u>\$ 1,070,215</u> |

The annual differences between the projected and actual earnings on investments are amortized over a five-year closed period beginning the year in which the difference occurs.

The following table presents the recognition periods used by each pension plan to amortize the annual differences between expected and actual experience, changes in proportion and differences between employer contributions and proportionate share of contributions, and changes in actuarial assumptions, beginning the year in which the deferred amount occurs.

| Pension Plan | Recognition Period (in years) | | |
|--------------------------|--|---|----------------------------------|
| | Differences between expected and actual experience | Changes in proportion and differences between employer contributions and proportionate share of contributions | Changes in actuarial assumptions |
| Additional Plan | 1.00 | N/A | N/A |
| MaBSTOA Plan | 6.50 | N/A | N/A |
| MNR Cash Balance Plan | 1.00 | N/A | N/A |
| MTA Defined Benefit Plan | 8.20 | 8.20 | N/A |
| NYCERS | 6.10 | 6.10 | 6.10 |
| NYSLERS | 5.00 | 5.00 | 5.00 |

For the years ended December 31, 2019 and 2018, \$1,106.0 and \$1,045.7 were reported as deferred outflows of resources related to pensions resulting from the MTA’s contributions subsequent to the measurement date which will be recognized as a reduction of the net pension liability in the year ending December 31, 2020 and December 31, 2019, respectively. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions at December 31, 2019 will be recognized as pension expense as follows:

| Year Ending December 31: | Additional Plan | MaBSTOA Plan | MNR Cash Balance plan | MTA Defined Benefit Plan | NYCERS | NYSLERS | Total |
|--------------------------|------------------|-------------------|-----------------------|--------------------------|---------------------|-----------------|-------------------|
| | (in thousands) | | | | | | |
| 2020 | \$ 17,116 | \$ 45,985 | \$ 11 | \$ 103,010 | \$ (67,848) | \$ 6,673 | \$ 104,947 |
| 2021 | 6,656 | 9,282 | 6 | 51,099 | (198,105) | (3,822) | (134,884) |
| 2022 | 8,227 | 26,928 | 4 | 56,798 | (50,325) | 328 | 41,960 |
| 2023 | 18,829 | 63,265 | 4 | 110,137 | (15,141) | 3,694 | 180,788 |
| 2024 | - | 2,230 | - | 17,934 | 63,793 | - | 83,957 |
| Thereafter | - | 416 | - | 19,171 | 6,465 | - | 26,053 |
| | <u>\$ 50,828</u> | <u>\$ 148,106</u> | <u>\$ 25</u> | <u>\$ 358,149</u> | <u>\$ (261,161)</u> | <u>\$ 6,873</u> | <u>\$ 302,821</u> |

Deferred Compensation Program

Description - The Deferred Compensation Program consists of two defined contribution plans that provide benefits based solely on the amount contributed to each participant’s account(s), plus or minus any income, expenses and gains/losses. The Deferred Compensation Program is comprised of the Deferred Compensation Plan For Employees of the Metropolitan Transportation Authority (“MTA”), its Subsidiaries and Affiliates (“457 Plan”) and the Thrift Plan For Employees of the Metropolitan Transportation Authority, its Subsidiaries and Affiliates (“401(k) Plan”). Certain MTA Related Groups employees are eligible to participate in both deferred compensation plans. Both Plans are designed to have participant charges, including investment and other fees, cover the costs of administering the Deferred Compensation Program.

Participation in the 401(k) Plan is now available to non-represented employees and, after collective bargaining, most represented employees. All amounts of compensation deferred under the 401(k) Plan, and all income attributable to such compensation, less expenses and fees, are held in trust for the exclusive benefit of the participants and their beneficiaries. Accordingly, the 401(k) Plan is not reflected in the accompanying consolidated statements of net position.

The Deferred Compensation Program is administered and may be amended by the Deferred Compensation Committee.

As the Deferred Compensation Program’s asset base and contribution flow increased, participants’ investment options were expanded by the Deferred Compensation Committee with the advice of its Financial Advisor to provide greater diversification and flexibility. In 1988, after receiving an IRS determination letter for the 401(k) Plan, the MTA offered its managers the choice of either participating in the 457 Plan or the 401(k) Plan. By 1993, the MTA offered eight investment funds: a Guaranteed Interest Account Fund, a Money Market Fund, a Common Stock Fund, a Managed Fund, a Stock Index Fund, a Government Income Fund, an International Fund and a Growth Fund.

In 1998, the Deferred Compensation Committee approved the unbundling of the Plans. In 2008, the Plans’ investment choices were restructured to set up a four-tier strategy:

- Tier 1 – The MTA Asset Allocation Programs offer two options for those participants who would like to make retirement investing easy – the MTA Target Year Funds and Goal maker. Investments will be automatically diversified among a range of investment options.
- Tier 2 – The MTA Index Funds offer a tier of index funds, which invest in the securities of companies that are included in a selected index, such as the Standard & Poor’s 500 (large cap) Index or Barclays Capital U.S. Aggregate (bond) index. The typical objective of an index fund is to achieve approximately the same return as that specific market index. Index funds provide investors with lower-cost investments because they are less expensive to administer than actively managed funds.
- Tier 3 – The MTA Actively Managed Portfolios, which are comprised of actively managed portfolios that are directed by one or a team of professional managers who buy and sell a variety of holdings in an effort to outperform selected indices. The funds provide a diversified array of distinct asset classes, with a single option in each class. They combine the value and growth disciplines to create a “core” portfolio for the mid-cap and international categories.
- Tier 4 – The Self-Directed Mutual Fund Option is designed for the more experienced investors. The fund offers access to an expanded universe of mutual funds from hundreds of well-known mutual fund families. Participants may invest only a portion of their account balances in this Tier.

In 2011, the Deferred Compensation Program began offering Roth contributions. Employees can elect after-tax Roth contributions and before-tax contributions in both the 401(k) Plan and the 457 Plan. The total combination of Roth after-tax contributions and regular before-tax contributions cannot exceed the IRS maximum of \$19,000 dollars or \$25,000 dollars for those over age 50 for the year ended December 31, 2019.

The two Plans offer the same array of investment options to participants. Eligible participants in the Deferred Compensation Program include employees (and in the case of MTA Long Island Bus, former employees) of:

- MTA
- MTA Long Island Rail Road
- MTA Bridges and Tunnels
- MTA Long Island Bus
- MTA Metro-North Railroad
- MTA New York City Transit
- MTA Staten Island Rapid Transit
- MTA Capital Construction
- MTA Bus

Matching Contributions - MTA Bus on behalf of certain MTA Bus employees, MTA Metro-North Railroad on behalf of certain MNR employees who opted-out of participation in the MTA Defined Benefit Pension Plan and MTA on behalf of certain represented MTA Business Service Center employees and on behalf of certain MTA Police Officers, make contributions to the 401(k) Plan. The rate for the employer contribution varies.

MTA Bus – Effective in 2019, there are no employees receiving these employer contributions. Prior to 2019, certain members who were employed by Queens Surface Corporation on February 26, 2005, and who became employees of MTA Bus on February 27, 2005, receive a matching contribution equal to 50% of member’s before-tax contributions provided that the maximum matching contribution shall not exceed 3% of the member’s base pay. MTA Bus also makes a basic contribution equal to 2% of the member’s compensation. These contributions vest as follows:

| Years of Service | Vested Percentage |
|------------------|-------------------|
| Less than 2 | 0% |
| 2 | 20% |
| 3 | 40% |
| 4 | 60% |
| 5 | 80% |
| 6 or more | 100% |

MTA Metro-North Railroad – MNR employees represented by certain unions and who elected to opt-out of participation in the MTA Defined Benefit Pension Plan receive an annual employer contribution equal to 4% of the member’s compensation. Effective on the first full pay period following the nineteenth anniversary date of an eligible MNR member’s continuous employment, MTA Metro-North Railroad contributes an amount equal to 7% of the member’s compensation. Eligible MNR members vest in these employer contributions as set forth below:

| Years of Service | Vested Percentage |
|------------------|-------------------|
| Less than 5 | 0% |
| 5 or more | 100% |

MTA Headquarters - Police - For each plan year, the MTA shall make contributions to the account of each eligible MTA Police Benevolent Association member in the amounts required by the collective bargaining agreement (“CBA”) and subject to the contribution limits set forth in the CBA. These contributions shall be made monthly and shall be considered MTA Police contributions. Members are immediately 100% vested in these employer contributions.

MTA Headquarters – Commanding Officers - In addition, for each plan year, the MTA shall make contributions to the account of each eligible MTA Police Department Commanding Officers Benevolent Association member in the amounts required by the CBA and subject to the contribution limits set forth in the CBA. These contributions shall be made monthly and shall be considered MTA Police contributions. These members are immediately 100% vested in these employer contributions.

MTA Headquarters – Business Services - Effective January 1, 2011, all newly hired MTA Business Services Center employees represented by the Transportation Communications Union are eligible to receive a matching contribution up to a maximum of 3% of the participant’s compensation. A participant’s right to the balance in his or her matching contributions shall vest upon the first of the following to occur:

1. Completing 5 years of service,
2. Attaining the Normal Retirement Age of 62 while in continuous employment, or
3. Death while in continuous employment.

Additional Deposits (Incoming Rollover or Transfers) - Participants in the Deferred Compensation Program are eligible to roll over both their before-tax and after-tax assets from other eligible retirement plans into the 401(k) and 457 Plans. Under certain conditions, both Plans accepts rollovers from all eligible retirement plans (as defined by the Code), including 401(a), 457, 401(k), 403(b), and rollover IRAs.

Forfeitures – Non vested contributions are forfeited upon termination of employment. Such forfeitures are used to cover a portion of the pension plan’s administrative expenses.

| | December 31, 2019 | December 31, 2018 |
|-----------------------------|----------------------|----------------------|
| | (In thousands) | |
| Employer 401K contributions | \$ 4,402 | \$ 4,392 |

5. OTHER POSTEMPLOYMENT BENEFITS

The MTA participates in a defined benefit other postemployment benefits (“OPEB”) plan for its employees, the Metropolitan Transportation Authority Retiree Welfare Benefits Plan (“OPEB Plan”). A description of the Plan follows:

(1) Plan Description

The MTA Retiree Welfare Benefits Plan (“OPEB Plan”) and the related Trust Fund (“Trust”) was established on January 1, 2009 for the exclusive benefit of MTA retired employees and their eligible spouses and dependents, to fund some of the OPEB provided in accordance with the MTA’s various collective bargaining agreements. Postemployment benefits are part of an exchange of salaries and benefits for employee services rendered. Amounts contributed to the OPEB Plan are held in an irrevocable trust and may not be used for any other purpose than to fund the costs of health and welfare benefits of its eligible participants.

The OPEB Plan and the Trust are exempt from federal income taxation under Section 115(1) of the Internal Revenue Code. The OPEB Plan is classified as a single-employer plan.

The OPEB Plan Board of Managers, comprised of the MTA Chairman, MTA Chief Financial Officer and MTA Director of Labor Relations, are the administrators of the OPEB Plan. The MTA Board has the right to amend, suspend or terminate the OPEB Plan. The OPEB Plan is a fiduciary component unit of the MTA and is in the Pension and Other Employee Benefit Trust Funds section of the MTA’s basic financial statements.

The separate annual financial statements of the OPEB Plan may be obtained by writing to MTA Comptroller, 2 Broadway, 16th Floor, New York, New York, 10004 or at www.mta.info.

Benefits Provided — The benefits provided by the OPEB Plan include medical, pharmacy, dental, vision, life insurance and a Medicare supplemental plan. The different types of benefits provided vary by agency, employee type (represented employees versus non-represented) and the relevant collective bargaining agreements. Certain benefits are provided upon retirement as defined in the applicable pension plan. Certain agencies provide benefits to certain former employees if separated from service within 5 years of attaining retirement eligibility. Employees of the MTA are members of the following pension plans: the MTA Defined Benefit Plan, the Additional Plan, the MNR Cash Balance Plan, the MaBSTOA Plan, NYCERS, and NYSLERS. Certain represented employees of MTA Metro-North Railroad participate in the 401(k) Plan. Eligible employees of the MTA may elect to join the New York State Voluntary Defined Contribution Plan (“VDC”).

The MTA participates in the New York State Health Insurance Program (“NYSHIP”) and provides medical and prescription drug benefits, including Medicare Part B reimbursements, to many of its retirees. NYSHIP offers a Preferred Provider Organization (“PPO”) plan and several Health Maintenance Organization (“HMO”) plans. Represented MTA New York City Transit employees, other MTA New York City Transit former employees who retired prior to January 1, 1996 or January 1, 2001, MTA Staten Island Railway represented employees as of March 1, 2010, June 1, 2010 or January 1, 2013 depending on the union and MTA Bus retirees do not participate in NYSHIP. These benefits are provided either through a self-insured health plan, a fully insured health plan or an HMO.

The MTA is a participating employer in NYSHIP. The NYSHIP financial report can be obtained by writing to NYS Department of Civil Service, Employee Benefits Division, Alfred E. Smith Office Building, 805 Swan Street, Albany, NY 12239.

OPEB Plan Eligibility — To qualify for benefits under the OPEB Plan, a former employee of the MTA must:

- i. have retired;
- ii. be receiving a pension (except in the case of the 401(k) Plan);
- iii. have at least 10 years of credited service as a member of NYCERS, NYSLERS, the MTA Defined Benefit Plan, the Additional Plan, the MaBSTOA Plan, the MNR Cash Balance Plan, the 401(k) Plan or the VDC; and
- iv. have attained the minimum age requirement (unless within 5 years of commencing retirement for certain members).
A represented retired employee may be eligible only pursuant to the relevant collective bargaining agreement.

Surviving Spouse and Other Dependents —

- Lifetime coverage is provided to the surviving spouse (not remarried) or domestic partner and surviving dependent children to age 26 of retired managers and certain non-represented retired employees.
- Represented retired employees must follow the guidelines of their collective bargaining agreements regarding continued health coverage for a surviving spouse or domestic partner and surviving dependents. The surviving spouse coverage continues until spouse is eligible for Medicare for represented employees of MTA New York City Transit and MTA Staten Island Railway, retiring on or after:
 - o May 21, 2014 for Transport Workers Union (“TWU”) Local 100;
 - o September 24, 2014 for Amalgamated Transit Union (“ATU”) Local 726;
 - o October 29, 2014 for ATU Local 1056;
 - o March 25, 2015 for Transportation Communication Union (“TCU”); and
 - o December 16, 2015 for United Transportation Union (“UTU”) and American Train Dispatchers Association (“ATDA”).
- Lifetime coverage is provided to the surviving spouse (not remarried) or domestic partner and surviving dependents of retired uniform members of the MTA Police Department.
- Lifetime coverage is provided to the surviving spouse (not remarried) or domestic partner and surviving dependent children to age 26 of uniformed members of the MTA Police Department whose death was sustained while in performance of duty.

The OPEB Plan Board of Managers has the authority to establish and amend the benefits that will be covered under the OPEB Plan, except to the extent that they have been established by collective bargaining agreement.

Employees Covered by Benefit Terms — As of July 1, 2017, the date of the most recent actuarial valuation, the following classes of employees were covered by the benefit terms:

| | <u>Number of Participants</u> |
|--|-----------------------------------|
| Active plan members | 72,047 |
| Inactive plan members currently receiving benefit payments | 45,330 |
| Inactive plan members entitled to but not yet receiving benefit payments | 254 |
| Total | <u><u>117,631</u></u> |

Contributions — The MTA is not required by law or contractual agreement to provide funding for the OPEB Plan, other than the “pay-as-you-go” (“PAYGO”) amounts. PAYGO is the cost of benefits necessary to provide the current benefits to retirees and eligible beneficiaries and dependents. Employees are not required to contribute to the OPEB Plan. The OPEB Plan Board has the authority for establishing and amending the funding policy. For the years ended December 31, 2019 and 2018, the MTA paid \$737.3 and \$696.1 of PAYGO to the OPEB Plan, respectively. The PAYGO amounts include an implicit rate subsidy adjustment of \$76.8 and \$74.5 for the years ended December 31, 2019 and 2018, respectively.

During 2012, the MTA funded \$250 into the Trust an additional \$50 during 2013. There have been no further contributions made to the Trust. The discount rate estimates investment earnings for assets earmarked to cover retiree health benefits. Under GASB Statement No. 75, the discount rate depends on the nature of underlying assets for funded plans. Since the amount of benefits paid in 2018 exceeded the current market value of the assets, a depletion date is assumed to occur immediately. Therefore, the discount rate is set equal to the municipal bond index. The MTA elected the Bond Buyer General Obligation 20-Bond Municipal Bond Index. As a result, the discount rates as of December 31, 2018 and December 31, 2017, the measurement dates, are 4.10% and 3.44%, respectively.

Employer contributions include the implicit subsidy, or age-related subsidy inherent in the healthcare premiums structure. The implicit subsidy arises when an employer allows a retiree and their dependents to continue on the active plans and pay the active premiums. Retirees are not paying the true cost of their benefits because they have higher utilization rates than actives and therefore, are partially subsidized by the active employees. As shown in the following table, for the years ended December 31, 2018 and 2017, the employer made a cash payment for retiree healthcare of \$74,484 and \$71,101, respectively, as part of the employer’s payment for active-employee healthcare benefits. For purposes of GASB Statement No. 75, this payment made on behalf of the active employees should be reclassified as benefit payments for retiree health care to reflect the retirees’ underlying age-adjusted, retiree benefit costs.

| Blended and Age-adjusted Premium (in thousands) | <u>2018 Retirees</u> | <u>2017 Retirees</u> |
|---|-------------------------|-------------------------|
| Total blended premiums | \$616,638 | \$579,893 |
| Employment payment for retiree healthcare | 74,484 | 71,101 |
| Net Payments | <u><u>\$691,122</u></u> | <u><u>\$650,994</u></u> |

(2) Actuarial Assumptions

Actuarial valuation involves estimates of the value of reported amounts and assumptions about the probability of occurrence of events far into the future, such as future employment, mortality and health care cost trend. Actuarially determined amounts are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan, which refers to the plan terms as understood by the employer and the plan members at the time of the valuation, including only changes to plan terms that have been made and communicated to employees. The projections include the types of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employer and plan members at that time. The MTA may not be obligated to provide the same types or levels of benefits to retirees in the future.

The total OPEB liability was determined by an actuarial valuation performed on July 1, 2017. Update procedures were used to roll forward the total OPEB liability to December 31, 2018 and December 31, 2017, the measurement dates. The actuarial valuations were performed using the following actuarial assumptions, applied to all periods included in the measurement, unless specified:

| | | |
|-----------------------------|---|---|
| Valuation date | July 1, 2017 | July 1, 2017 |
| Measurement date | December 31, 2018 | December 31, 2017 |
| Discount rate | 4.1%, net of expenses | 3.44%, net of expenses |
| Inflation | 2.50% | 2.50% |
| Actuarial cost method | Entry Age Normal | Entry Age Normal |
| Amortization method | Level percentage of payroll | Level percentage of payroll |
| Normal cost increase factor | 4.50% | 4.50% |
| Salary increases | Varies by years of service and differs for members of the various pension plans | Varies by years of service and differs for members of the various pension plans |

Healthcare Cost Trend — The healthcare trend assumption is based on the Society of Actuaries-Getzen Model version 2017 utilizing the baseline assumptions included in the model, except inflation of 2.5% for medical and pharmacy benefits. Additional adjustments apply based on percentage of costs associated with administrative expenses, aging factors, potential excise taxes due to healthcare reform, and other healthcare reform provisions, separately for NYSHIP and self-insured benefits administered by MTA New York City Transit. These assumptions are combined with long-term assumptions for dental and vision benefits of an annual trend of 4.0% plus Medicare Part B reimbursements of an annual trend of 4.5%, but not more than projected medical and pharmacy trends excluding any excise tax adjustments. The self-insured trend is applied directly for represented employees of MTA New York City Transit, MTA Staten Island Railway and MTA Bus. For purposes of estimating the impact of the excise tax, the NYSHIP trend for MTA Bridges and Tunnels reflects that certain represented members do not receive prescription drug coverage through NYSHIP.

The valuation reflects the actuary’s understanding of the impact in future health costs due to the Affordable Care Act (“ACA”) passed into law in March 2010. An excise tax for high cost health coverage or “Cadillac” health plans was included in ACA. The provision levies a 40% tax on the value of health plan costs that exceed certain thresholds for single coverage or family coverage. In December 2019, the President signed into law the “Further Consolidated Appropriations Act, 2020” (the “Act”), which included the permanent repeal of the “Cadillac” tax, effective January 1, 2020. The impact of the elimination of the “Cadillac” tax on the MTA’s OPEB liability is approximately a decrease of \$742.0 million and will be reflected in the next valuation dated July 1, 2019 and in the reporting year-ended December 31, 2020.

Healthcare Cost Trend Rates — The following lists illustrative rates for the NYSHIP and self-insured trend assumptions (all amounts are in percentages).

| Fiscal Year | NYSHIP | | TBTA | | Self-Insured | |
|-------------|--------|--------|------|--------|--------------|--------|
| | < 65 | > = 65 | < 65 | > = 65 | < 65 | > = 65 |
| 2018 | 8.5 | 8.2 | 7.5 | 4.9 | 6.8 | 9.1 |
| 2019 | 6.2 | 5.5 | 5.8 | 3.1 | 6.2 | 5.3 |
| 2020 | 5.8 | 5.3 | 5.6 | 3.9 | 5.8 | 5.2 |
| 2021 | 5.5 | 5.2 | 5.3 | 4.4 | 5.5 | 5.2 |
| 2022 | 7.2 | 5.1 | 5.1 | 5.1 | 11.1 | 5.1 |
| 2023 | 6.1 | 5.1 | 5.1 | 5.1 | 6.0 | 5.1 |
| 2024 | 6.1 | 5.0 | 5.0 | 5.0 | 5.9 | 5.0 |
| 2025 | 5.9 | 5.0 | 5.0 | 5.0 | 5.8 | 5.0 |
| 2026 | 5.9 | 5.0 | 5.0 | 5.0 | 5.8 | 5.0 |
| 2027 | 5.8 | 4.9 | 5.0 | 4.9 | 5.7 | 4.9 |
| 2037 | 5.6 | 5.0 | 5.9 | 5.0 | 5.5 | 5.0 |
| 2047 | 5.4 | 5.9 | 5.6 | 4.9 | 5.3 | 4.9 |
| 2057 | 5.1 | 5.4 | 5.2 | 4.8 | 5.1 | 5.2 |
| 2067 | 4.8 | 5.0 | 4.9 | 4.6 | 4.8 | 4.8 |
| 2077 | 4.2 | 4.3 | 4.2 | 4.0 | 4.1 | 4.5 |
| 2087 | 4.1 | 4.2 | 4.2 | 4.0 | 4.1 | 4.4 |
| 2097 | 4.1 | 4.2 | 4.2 | 4.7 | 4.1 | 4.4 |

For purposes of applying the Entry Age Normal Cost method, the healthcare trend prior to the valuation date are based on the ultimate rates, which are 4.1% for medical and pharmacy costs prior to age 65, 4.2% for NYSHIP costs at age 65 and

later (4.6% for certain MTA Bridges and Tunnels represented members), and 4.3% for self-insured medical and pharmacy costs at age 65 and later.

Mortality — Preretirement and postretirement healthy annuitant rates are projected on a generational basis using Scale AA. As a generational table, it reflects mortality improvements both before and after the measurement date. The postretirement mortality assumption is based on an experience analysis covering the period from January 1, 2011 to December 31, 2015 for the MTA-sponsored pension plans.

Preretirement — RP-2000 Employee Mortality Table for Males and Females with blue-collar adjustments. No blue-collar adjustments were used for management members of MTAHQ.

Postretirement Healthy Lives — 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. No blue collar or percentage adjustments were used for management members of MTAHQ.

Postretirement Disabled Lives — RP-2014 Disabled Annuitant mortality table for males and females.

(3) Net OPEB Liability

At December 31, 2019 and 2018, the MTA reported a net OPEB liability of \$19,582 and \$20,335, respectively. The MTA’s net OPEB liability was measured as of the OPEB Plan’s fiscal year-end of December 31, 2018. The total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation date of July 1, 2017, and rolled forward to December 31, 2018.

OPEB Plan Fiduciary Net Position — The fiduciary net position has been determined on the same basis used by the OPEB plan. The OPEB plan uses the accrual basis of accounting under which contributions from the employer are recognized when paid. Benefits and refunds are recognized when due and payable in accordance with the terms of the Plan. Investments are reported at fair value based on quoted market prices or Net Asset Value. Detailed information about the OPEB plan’s fiduciary net position is available in the separately issued financial report or at www.mta.info.

Expected Rate of Return on Investments — The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of OPEB plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

| Asset Class | Target Allocation | Long-Term Expected Arithmetic Real Rate of Return |
|--|----------------------|---|
| U.S core fixed income | 13.0% | 2.03% |
| Global bonds | 15.0% | 0.41% |
| Emerging markets bonds | 5.0% | 3.76% |
| Global equity | 35.0% | 5.65% |
| Non-U.S. equity | 15.0% | 6.44% |
| Global REITs | 5.0% | 5.80% |
| Hedge funds - multistrategy | 12.0% | 3.28% |
| Total | 100% | |
| Assumed Inflation - Mean | | 2.50% |
| Assumed Inflation - Standard Deviation | | 1.65% |
| Portfolio Nominal Mean return | | 6.65% |
| Portfolio Standard Deviation | | 10.39% |
| Long Term Expected Rate of Return selected by MTA | | 6.50% |

Discount Rate — The discount rate used in this valuation to measure the total OPEB liability was updated to incorporate GASB Statement No. 75 guidance.

The plan’s fiduciary net position was not projected to be available to make all projected future benefit payments of current active and inactive employees. Therefore, the discount rate for calculating the total OPEB liability is equal to the single equivalent rate that results in the same actuarial present value as the long-term expected rate of return applied to benefit payments, to the extent that the plan’s fiduciary net position is projected to be sufficient to make projected benefit payments, and the municipal bond rate applied to benefit payments, to the extent that the plan’s fiduciary net position is not projected

to be sufficient. Therefore, the discount rate is set equal to the Bond Buyer General Obligation 20-Bond Municipal Bond Index as of December 31, 2018 of 4.10%.

Changes in Net OPEB Liability — Changes in the MTA's net OPEB liability for the year ended December 31, 2019, based on the December 31, 2018 measurement date, and for the year ended December 31, 2018, based on the December 31, 2017 measurement date, were as follows:

| | Total OPEB Liability | Plan Fiduciary Net Position | Net OPEB Liability |
|--|-------------------------------------|--|-----------------------------------|
| | (in thousands) | | |
| Balance as of December 31, 2017 | \$ 20,705,068 | \$ 370,352 | \$ 20,334,716 |
| Changes for the year: | | | |
| Service Cost | 1,002,930 | - | 1,002,930 |
| Interest on total OPEB liability | 734,968 | - | 734,968 |
| Effect of plan changes | 1,580 | - | 1,580 |
| Effect of economic/demographic gains or losses | (19,401) | - | (19,401) |
| Effect of assumptions changes or inputs | (1,800,135) | - | (1,800,135) |
| Benefit payments | (691,122) | (691,122) | - |
| Employer contributions | - | 691,122 | (691,122) |
| Net investment income | - | (18,916) | 18,916 |
| Administrative expenses | - | (56) | 56 |
| Net changes | <u>(771,180)</u> | <u>(18,972)</u> | <u>(752,208)</u> |
| Balance as of December 31, 2018 | <u>\$ 19,933,888</u> | <u>\$ 351,380</u> | <u>\$ 19,582,508</u> |
| | Total OPEB Liability | Plan Fiduciary Net Position | Net OPEB Liability |
| | (in thousands) | | |
| Balance as of December 31, 2016 | \$ 18,787,254 | \$ 322,982 | \$ 18,464,272 |
| Changes for the year: | | | |
| Service Cost | 884,548 | - | 884,548 |
| Interest on total OPEB liability | 731,405 | - | 731,405 |
| Effect of plan changes | 27,785 | - | 27,785 |
| Effect of economic/demographic gains or losses | 13,605 | - | 13,605 |
| Effect of assumptions changes or inputs | 911,465 | - | 911,465 |
| Benefit payments | (650,994) | (650,994) | - |
| Employer contributions | - | 650,994 | (650,994) |
| Net investment income | - | 47,370 | (47,370) |
| Net changes | <u>1,917,814</u> | <u>47,370</u> | <u>1,870,444</u> |
| Balance as of December 31, 2017 | <u>\$ 20,705,068</u> | <u>\$ 370,352</u> | <u>\$ 20,334,716</u> |

Sensitivity of the Net OPEB Liability to Changes in the Discount Rate — The following presents the net OPEB liability of the MTA, calculated using the discount rate as of each measurement date, as well as what the MTA's net OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the actual discount rate used for the measurement date:

| Measurement Date: | December 31, 2018 | | |
|--------------------------|--------------------------------|----------------------------------|--------------------------------|
| | 1% Decrease (3.10%) | Discount Rate (4.10%) | 1% Increase (5.10%) |
| | (in thousands) | | |
| Net OPEB liability | \$22,402,766 | \$19,582,508 | \$17,257,324 |

| Measurement Date: | December 31, 2017 | | |
|--------------------|------------------------|--------------------------|------------------------|
| | 1% Decrease (2.44%) | Discount Rate (3.44%) | 1% Increase (4.44%) |
| | | (in thousands) | |
| Net OPEB liability | \$23,407,072 | \$20,334,716 | \$17,817,307 |

Sensitivity of the Net OPEB Liability to Changes in the Healthcare Cost Trend Rates — The following presents the net OPEB liability of the MTA, calculated using the healthcare cost trend rates as of each measurement date, as well as what the MTA's net OPEB liability would be if it were calculated using trend rates that are 1-percentage point lower or 1-percentage point higher than the actual healthcare trend rate used for the measurement date:

| Measurement Date: | December 31, 2018 | | |
|--------------------|-------------------|--|--------------|
| | 1% Decrease | Healthcare Cost Current Trend Rate* | 1% Increase |
| | | (in thousands) | |
| Net OPEB liability | \$16,727,628 | \$19,582,508 | \$23,171,172 |

| Measurement Date: | December 31, 2017 | | |
|--------------------|-------------------|--|--------------|
| | 1% Decrease | Healthcare Cost Current Trend Rate* | 1% Increase |
| | | (in thousands) | |
| Net OPEB liability | \$17,394,102 | \$20,334,716 | \$24,043,932 |

*For further details, refer to the Health Care Cost Trend Rates tables in the Actuarial Assumptions section of this Note Disclosure

(4) OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the years ended December 31, 2019 and 2018, the MTA recognized OPEB expense of \$1.61 and \$1.75 billion.

At December 31, 2019 and 2018, the MTA reported deferred outflows of resources and deferred inflows of resources related to OPEB as follows (\$ in thousands):

| | December 31, 2019 | | December 31, 2018 | |
|--|--------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| | Deferred Outflows of Resources | Deferred Inflows of Resources | Deferred Outflows of Resources | Deferred Inflows of Resources |
| Differences between expected and actual experience | \$ 9,928 | \$ 16,780 | \$ 11,767 | \$ - |
| Changes of assumptions | 665,123 | 1,556,874 | 788,294 | - |
| Net difference between projected and actual earnings on OPEB plan investments | 18,564 | - | - | 21,101 |
| Changes in proportion and differences between contributions and proportionate share of contributions | 101,229 | 101,229 | - | - |
| Employer contributions to the plan subsequent to the measurement of net OPEB liability | 742,438 | - | 696,065 | - |
| Total | \$ 1,537,282 | \$ 1,674,883 | \$ 1,496,126 | \$ 21,101 |

The annual differences between the projected and actual earnings on investments are amortized over a 5-year closed period beginning the year in which the difference occurs. The annual differences between expected and actual experience and changes in assumptions are amortized over a 7.4-year closed period, beginning the year in which the deferred amount occurs.

For the years ended December 31, 2019 and 2018, \$738.2 and \$696.1 was reported as deferred outflows of resources related to OPEB. This amount includes both MTA’s contributions subsequent to the measurement date and an implicit rate subsidy adjustment that will be recognized as a reduction of the net OPEB liability in the year ended December 31, 2020 and December 31, 2019, respectively. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB at December 31, 2019 will be recognized in OPEB expense as follows:

| Year Ended December 31: | | |
|-------------------------|----|---------|
| 2020 | \$ | 117,552 |
| 2021 | | 117,552 |
| 2022 | | 117,552 |
| 2023 | | 112,276 |
| 2024 | | 120,874 |
| Thereafter | | 294,233 |
| | \$ | 880,039 |

6. CAPITAL ASSETS

Capital assets and improvements include all land, buildings, equipment, and infrastructure of the MTA having a minimum useful life of two years and having a cost of more than \$25 thousand.

Capital assets are stated at historical cost, or at estimated historical cost based on appraisals, or on other acceptable methods when historical cost is not available. Capital leases are classified as capital assets in amounts equal to the lesser of the fair market value or the present value of net minimum lease payments at the inception of the lease.

Accumulated depreciation and amortization are reported as reductions of fixed assets. Depreciation is computed using the straight-line method based upon estimated useful lives of 25 to 50 years for buildings, 2 to 40 years for equipment, and 25 to 100 years for infrastructure. Capital lease assets and leasehold improvements are amortized over the term of the lease or the life of the asset whichever is less. Capital assets consist of the following at December 31, 2017, December 31, 2018 and December 31, 2019 (in millions):

| | Balance December 31, 2017 | Additions / Reclassifications | Deletions / Reclassifications | Balance December 31, 2018 | Additions / Reclassifications | Deletions / Reclassifications | Balance December 31, 2019 |
|--|---------------------------------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|
| Capital assets not being depreciated: | | | | | | | |
| Land | \$ 217 | \$ - | \$ - | \$ 217 | \$ 6 | \$ - | \$ 223 |
| Construction work-in-progress | 16,978 | 7,528 | 6,454 | 18,052 | 8,279 | 6,266 | 20,065 |
| Total capital assets not being depreciated | 17,195 | 7,528 | 6,454 | 18,269 | 8,285 | 6,266 | 20,288 |
| Capital assets being depreciated: | | | | | | | |
| Buildings and structures | 17,716 | 746 | 5 | 18,457 | 1,103 | 1 | 19,559 |
| Bridges and tunnels | 3,604 | 550 | - | 4,154 | 72 | - | 4,226 |
| Equipment: | | | | | | | |
| Passenger cars and locomotives | 13,860 | 303 | 785 | 13,378 | 498 | 4 | 13,872 |
| Buses | 3,613 | 321 | 126 | 3,808 | 473 | 604 | 3,677 |
| Infrastructure | 23,834 | 2,438 | 14 | 26,258 | 1,491 | 21 | 27,728 |
| Other | 22,706 | 1,825 | 12 | 24,519 | 2,114 | 20 | 26,613 |
| Total capital assets being depreciated | 85,333 | 6,183 | 942 | 90,574 | 5,751 | 650 | 95,675 |
| Less accumulated depreciation: | | | | | | | |
| Buildings and structures | 6,923 | 495 | 4 | 7,414 | 530 | - | 7,944 |
| Bridges and tunnels | 783 | 23 | - | 806 | 27 | - | 833 |
| Equipment: | | | | | | | |
| Passenger cars and locomotives | 7,206 | 397 | 660 | 6,943 | 403 | 4 | 7,342 |
| Buses | 2,216 | 233 | 126 | 2,323 | 250 | 604 | 1,969 |
| Infrastructure | 9,286 | 803 | 17 | 10,072 | 862 | 21 | 10,913 |
| Other | 8,054 | 728 | 8 | 8,774 | 798 | 19 | 9,553 |
| Total accumulated depreciation | 34,468 | 2,679 | 815 | 36,332 | 2,870 | 648 | 38,554 |
| Total capital assets being depreciated - net | 50,865 | 3,504 | 127 | 54,242 | 2,881 | 2 | 57,121 |
| Capital assets - net | \$ 68,060 | \$ 11,032 | \$ 6,581 | \$ 72,511 | \$ 11,166 | \$ 6,268 | \$ 77,409 |

Interest capitalized in conjunction with the construction of capital assets for the years ended December 31, 2019 and 2018 was \$43.7 and \$49.3, respectively.

Capital assets acquired prior to April 1982 for MTA New York City Transit were funded primarily by NYC with capital grants made available to MTA New York City Transit. NYC has title to a substantial portion of such assets and, accordingly, these assets are not recorded on the books of the MTA. Subsequent acquisitions, which are part of the MTA Capital Program, are recorded at cost by MTA New York City Transit. In certain instances, title to MTA Bridges and Tunnels' real property may revert to NYC in the event the MTA determines such property is unnecessary for its corporate purpose. With respect to MTA Metro-North Railroad, capital assets completely funded by CDOT are not reflected in MTA's financial statements, as ownership is retained by CDOT.

For certain construction projects, the MTA holds in a trust account marketable securities pledged by third-party contractors in lieu of cash retainages. At December 31, 2019 and 2018, these securities, which are not included in these financial statements, totaled \$107.8 and \$81.7, respectively, and had a market value of \$83.3 and \$53.2, respectively.

7. LONG-TERM DEBT

| (In millions) | Original Issuance | December 31, 2018 | Issued | Retired | December 31, 2019 |
|---|-------------------------|-------------------------|------------------------|------------------------|-------------------------|
| MTA: | | | | | |
| Transportation Revenue Bonds | | | | | |
| 1.43%-5.15% due through 2057 | \$ 37,965 | \$ 20,923 | \$ 1,596 | \$ 869 | \$ 21,650 |
| Bond Anticipation Notes* | | | | | |
| 1.33% due through 2022 | 13,062 | 4,007 | 5,455 | 1,954 | 7,508 |
| Dedicated Tax Fund Bonds | | | | | |
| 1.86%-4.89% due through 2057 | 11,039 | 5,184 | - | 160 | 5,024 |
| | <u>62,066</u> | <u>30,114</u> | <u>7,051</u> | <u>2,983</u> | <u>34,182</u> |
| Net unamortized bond premium | - | 1,559 | 514 | 425 | 1,648 |
| | <u>62,066</u> | <u>31,673</u> | <u>7,565</u> | <u>3,408</u> | <u>35,830</u> |
| TBTA: | | | | | |
| General Revenue Bonds | | | | | |
| 1.81%-4.18% due through 2047 | 17,132 | 7,663 | 452 | 333 | 7,782 |
| Subordinate Revenue Bonds | | | | | |
| 3.13%-5.34% due through 2032 | 4,066 | 1,022 | - | 86 | 936 |
| | <u>21,198</u> | <u>8,685</u> | <u>452</u> | <u>419</u> | <u>8,718</u> |
| Net unamortized bond premium | - | 626 | 47 | 55 | 618 |
| | <u>21,198</u> | <u>9,311</u> | <u>499</u> | <u>474</u> | <u>9,336</u> |
| MTA Hudson Rail Yards Trust: | | | | | |
| MTA Hudson Rail Yards Trust Obligations | | | | | |
| 1.88%-2.65% due through 2056 | 1,057 | 1,057 | - | 185 | 872 |
| Net unamortized bond premium | - | 128 | - | 21 | 107 |
| | <u>1,057</u> | <u>1,185</u> | <u>-</u> | <u>206</u> | <u>979</u> |
| Total | <u>\$ 84,321</u> | <u>\$ 42,169</u> | <u>\$ 8,064</u> | <u>\$ 4,088</u> | <u>\$ 46,145</u> |
| Current portion | | <u>\$ 2,552</u> | | | <u>\$ 4,573</u> |
| Long-term portion | | <u>\$ 39,617</u> | | | <u>\$ 41,572</u> |

* Includes draws on a \$800 taxable revolving credit agreement with JPMorgan Chase Bank, National Association, which is active through August 24, 2022. Draws under the JPMorgan Chase Agreement are evidenced by revenue anticipation notes ("RANs"). As of December 31, 2019 and 2018, the outstanding RAN was \$8 and \$7, respectively.

| (In millions) | Original Issuance | December 31, 2017 | Issued | Retired | December 31, 2018 |
|---|-------------------------|-------------------------|------------------------|------------------------|-------------------------|
| MTA: | | | | | |
| Transportation Revenue Bonds | | | | | |
| 1.37%–6.68% due through 2057 | \$ 36,369 | \$ 21,028 | \$ 680 | \$ 785 | \$ 20,923 |
| Bond Anticipation Notes | | | | | |
| 5.0% due through 2021 | 7,607 | 1,516 | 3,003 | 512 | 4,007 |
| State Service Contract Bonds | | | | | |
| 4.125%–5.70% due through 2031 | 2,395 | 68 | - | 68 | - |
| Dedicated Tax Fund Bonds | | | | | |
| 2.05%–5.00% due through 2057 | 11,039 | 5,371 | - | 187 | 5,184 |
| | <u>57,410</u> | <u>27,983</u> | <u>3,683</u> | <u>1,552</u> | <u>30,114</u> |
| Net unamortized bond premium | - | 1,578 | 279 | 298 | 1,559 |
| | <u>57,410</u> | <u>29,561</u> | <u>3,962</u> | <u>1,850</u> | <u>31,673</u> |
| TBTA: | | | | | |
| General Revenue Bonds | | | | | |
| 4.00%–5.77% due through 2050 | 16,680 | 7,218 | 1,055 | 610 | 7,663 |
| Bond Anticipation Notes | | | | | |
| 5.77% due through 2032 | 400 | 165 | - | 165 | - |
| Subordinate Revenue Bonds | | | | | |
| 4.00%–5.77% due through 2032 | 4,066 | 1,386 | - | 364 | 1,022 |
| | <u>21,146</u> | <u>8,769</u> | <u>1,055</u> | <u>1,139</u> | <u>8,685</u> |
| Net unamortized bond premium | - | 581 | 129 | 84 | 626 |
| | <u>21,146</u> | <u>9,350</u> | <u>1,184</u> | <u>1,223</u> | <u>9,311</u> |
| MTA Hudson Rail Yards Trust: | | | | | |
| MTA Hudson Rail Yards Trust Obligations | | | | | |
| 1.88%–2.65% due through 2056 | 1,057 | 1,057 | - | - | 1,057 |
| Net unamortized bond premium | - | 130 | - | 2 | 128 |
| | <u>1,057</u> | <u>1,187</u> | <u>-</u> | <u>2</u> | <u>1,185</u> |
| Total | <u>\$ 79,613</u> | <u>\$ 40,098</u> | <u>\$ 5,146</u> | <u>\$ 3,075</u> | <u>\$ 42,169</u> |
| Current portion | | <u>\$ 1,806</u> | | | <u>\$ 2,552</u> |
| Long-term portion | | <u>\$ 38,292</u> | | | <u>\$ 39,617</u> |

MTA Transportation Revenue Bonds — Prior to 2019, MTA issued sixty-two Series of Transportation Revenue Bonds secured under its General Resolution Authorizing Transportation Revenue Obligations adopted on March 26, 2002 in the aggregate principal amount of \$31,891. The Transportation Revenue Bonds are MTA's special obligations payable solely from transit and commuter systems revenues and certain state and local operating subsidies.

On February 6, 2019, MTA issued \$454 Transportation Revenue Green Bonds, Series 2019A. Proceeds from the transaction were used to pay off the existing outstanding 2017C-1 Transportation Revenue Bond Anticipation Notes in the amount of \$500. The Series 2019A bonds were issued through a competitive bidding process as \$191 Subseries 2019A- 1, \$163 Subseries 2019A-2, and \$100 Subseries 2019A-3. The Subseries 2019A-1 bonds were issued as mandatory tender bonds with an initial purchase date of November 15, 2024. The Subseries 2019A-2 and 2019A-3 bonds were issued as fixed rate tax-exempt bonds with final maturities of November 15, 2045, and November 15, 2046, respectively.

On March 28, 2019, MTA effectuated a mandatory tender and remarketed \$50 MTA Transportation Revenue Bonds, Subseries 2012A-3 because its current interest rate period expired by its terms. The Series 2012A-3 Bonds were remarketed in Term Rate Mode as Floating Rate Tender Notes (“FRNs”) with a purchase date of March 1, 2022 and with an interest rate of SIFMA plus 0.50%.

On May 1, 2019, MTA drew \$300 on the Railroad Rehabilitation and Improvement Financing loan (“RRIF Loan”) to finance the positive train control project for MTA Long Island Railroad and MTA Metro-North Railroad. The current principal amount outstanding on the Transportation Revenue Bond, Series 2015X is \$441 as the first draw on the RRIF Loan (Series 2015X-1) was on September 20, 2016 in the amount of \$146. MTA originally entered into a Financing Agreement with the Federal Railroad Administrator, acting on behalf of the United States Secretary of Transportation, on May 5, 2015 to establish the RRIF Loan which is not to exceed \$967.

On May 14, 2019, MTA issued \$177.185 Transportation Revenue Green Bonds, Series 2019B (Climate Bond Certified). Proceeds from the transaction were used to retire the existing outstanding \$200 Transportation Revenue Bond Anticipation Notes, Series 2017C-2. The Series 2019B bonds were issued as fixed rate tax-exempt bonds with a final maturity of November 15, 2052.

On June 3, 2019, MTA effectuated a mandatory tender and remarketed \$50 MTA Transportation Revenue Variable Rate Bonds, Subseries 2012A-2 because its current interest rate period was set to expire by its terms. The Subseries 2012A-2 bonds were remarketed as Variable Interest Rate Obligations in Weekly Mode supported by an irrevocable direct-pay Letter of Credit (LOC) issued by Bank of Montreal. The LOC will expire on June 2, 2022.

On August 14, 2019, MTA issued \$422 Transportation Revenue Green Bonds, Series 2019C (Climate Bond Certified). Proceeds from the transaction were used to retire the existing outstanding MTA Transportation Revenue Bond Anticipation Notes, Series 2018A. The Series 2019C bonds were issued as fixed rate tax-exempt bonds with a final maturity of November 15, 2049.

On October 31, 2019, MTA effectuated a mandatory tender and remarketed \$84.450 Transportation Revenue Variable Rate Refunding Bonds, Subseries 2012G-1 because its current interest rate period was set to expire by its terms. The Subseries 2012G-1 bonds were remarketed as Variable Interest Rate Obligations in Daily Mode supported by an irrevocable direct-pay LOC issued by Barclays Bank, PLC. The new LOC will expire on October 31, 2023.

On November 7, 2019, MTA issued \$241.745 Transportation Revenue Refunding Green Bonds, Series 2019D. The Series 2019D bonds were issued as \$140.320 Subseries 2019D-1 and \$101.425 Subseries 2019D-2. The Subseries 2019D-1 bonds were issued as mandatory tender bonds with an initial purchase date of November 15, 2024. The Subseries 2019D-2 bonds were issued as taxable fixed rate bonds with a final maturity of November 15, 2048. Proceeds from the transaction were used to refund the following: \$111.220 MTA Transportation Revenue Bonds, Subseries 2008B-4; \$100.000 MTA Transportation Revenue Refunding Bonds, Series 2012D; and \$50.665 MTA Transportation Revenue Refunding Bonds, Subseries 2015D-2.

MTA Bond Anticipation Notes — From time to time, MTA issues Transportation Revenue Bond Anticipation Notes in accordance with the terms and provisions of the General Resolution described above in the form of commercial paper to fund its transit and commuter capital needs. The interest rate payable on the notes depends on the maturity and market conditions at the time of issuance. The MTA Act requires MTAHQ to periodically (at least each five years) refund its bond anticipation notes with bonds.

On February 6, 2019, MTA issued \$750 MTA Transportation Revenue Bond Anticipation Notes, Series 2019A to generate new money proceeds to finance existing approved transit and commuter projects and to retire the outstanding Taxable Revenue Anticipation Note. The Series 2019A Notes were priced through a competitive method of sale. The Series 2019A Notes were issued as fixed rate tax-exempt notes with a final maturity of February 3, 2020.

On May 22, 2019, MTA issued \$1,200 MTA Transportation Revenue Bond Anticipation Notes, Series 2019B to generate new money proceeds to finance existing approved transit and commuter projects. The Series 2019B Notes were priced through a competitive method of sale. The Series 2019B Notes were issued as fixed rate tax-exempt notes with a final maturity of May 15, 2022.

On July 12, 2019, MTA issued \$300 MTA Transportation Revenue Bond Anticipation Notes, Series 2019C to generate new money proceeds to finance existing approved transit and commuter projects related to the State funding commitment for the 2015-2019 Capital Program. The Series 2019C Notes were issued as fixed rate tax-exempt notes with a final maturity of July 1, 2020.

On September 6, 2019, MTA issued \$1,200 MTA Transportation Revenue Bond Anticipation Notes, Series 2019D to generate new money proceeds to finance existing approved transit and commuter projects, \$200 which is related to the State funding commitment for the 2015-2019 Capital Program. The Series 2019D Notes were issued as fixed rate tax-exempt notes with a final maturity of September 1, 2022. The Series 2019D Notes were issued as \$1,000 Subseries 2019D-1 and \$200 Subseries 2019D-2.

On October 16, 2019, MTA issued \$600 MTA Transportation Revenue Bond Anticipation Notes, Series 2019E to generate new money proceeds to finance existing approved transit and commuter projects related to the State funding commitment for the 2015-2019 Capital Program. The Series 2019E Notes were issued as fixed rate tax-exempt notes with a final maturity of September 1, 2020.

On December 10, 2019, MTA issued \$200 MTA Transportation Revenue Bond Anticipation Notes, Series 2019F to generate new money proceeds to finance existing approved transit and commuter projects. The Series 2019F Notes were issued as fixed-rate tax-exempt notes with a final maturity of November 15, 2022.

MTA Revenue Anticipation Notes — On January 9, 2014, MTA closed a \$350 revolving working capital liquidity facility with the Royal Bank of Canada which is expected to remain in place until July 7, 2017. Draws on the facility will be taxable, as such this facility is intended to be used only for operating needs of MTA and the related entities. On January 31, 2017, MTA drew down \$200 of its \$350 Revolving Credit Agreement with the Royal Bank of Canada, which was entered into on January 1, 2014. The purpose of the draw was to retire Transportation Revenue Bond Anticipation Notes, Subseries 2016A-2. The \$200 draw-down plus accrued interest was repaid on March 31, 2017.

On August 24, 2017, MTA entered into a \$350 taxable Revenue Anticipation Note facility, (the “2017A RAN”), with J.P.Morgan Chase Bank, National Association. An initial draw of \$3.5 was made at closing. This balance will remain throughout the duration of the agreement. The 2017A RAN is available to be used by MTA for any corporate purpose as needed and is structured as a revolving loan facility. The RAN expires on August 24, 2022.

On August 14, 2018, MTA amended the 2017A RAN to (1) correct the designation of the facility to Transportation Revenue Anticipation Notes, Series 2017 (the “Series 2017 RANs”) and (2) increase the maximum amount of the Series 2017 RANs authorized to be issued by \$350, for a maximum principal amount of \$700 at any one-time outstanding. To maintain the 1% draw on the line of credit throughout the duration of the agreement, an additional \$3.5 draw was made on August 14, 2018.

On August 16, 2019, the Revenue Anticipation Note facility with JPMorgan Chase was amended, increasing the line of credit to \$800. To maintain the 1% draw on the line of credit throughout the duration of the agreement, an additional \$1 draw was made on August 16, 2019.

On August 16, 2019, MTA entered into a \$200 taxable revolving credit agreement with Bank of America, National Association (“BANA”) that is active through August 24, 2022. Draws under the BANA Agreement will be evidenced by RANs. Funds may be used for operational or capital purposes.

MTA State Service Contract Bonds — Prior to 2019, MTA issued two Series of State Service Contract Bonds secured under its State Service Contract Obligation Resolution adopted on March 26, 2002, in the aggregate principal amount of \$2,395. Currently, there are no outstanding bonds. The State Service Contract Bonds are MTA’s special obligations payable solely from certain payments from the State of New York under a service contract.

MTA Dedicated Tax Fund Bonds — Prior to 2019, MTA issued twenty-two Series of Dedicated Tax Fund Bonds secured under its Dedicated Tax Fund Obligation Resolution adopted on March 26, 2002, in the aggregate principal amount of \$9,769. The Dedicated Tax Fund Bonds are MTA’s special obligations payable solely from monies held in the Pledged Amounts Account of the MTA Dedicated Tax Fund. State law requires that the MTTF revenues and MMTOA revenues (described above in Note 2 under “Nonoperating Revenues”) be deposited, subject to appropriation by the State Legislature, into the MTA Dedicated Tax Fund.

On March 19, 2019, MTA issued \$750 MTA Dedicated Tax Fund Bond Anticipation Notes, Series 2019A to generate new money proceeds to finance existing approved transit and commuter projects. The Series 2019A Notes were priced through a competitive method of sale. The Series 2019A Notes were issued as fixed rate tax-exempt notes with a final maturity of March 1, 2022.

On October 31, 2019, MTA effectuated a mandatory tender and remarketed \$84.855 of Dedicated Tax Fund Variable Rate Refunding Bonds, Subseries 2008A-2b and \$47.740 of Dedicated Tax Fund Variable Rate Refunding Bonds, Subseries 2008B-3c because their current interest rate periods were set to expire by their terms. Both the Subseries 2008A-2b and 2008B-3c bonds will be remarketed as Variable Interest Rate Obligations in Weekly Mode, each separately supported by an irrevocable direct-pay Letter of Credit (LOC) issued by PNC Bank, National Association. The new LOCs will both expire on October 31, 2022. PNC Capital Markets LLC will serve as remarketing agent.

MTA Certificates of Participation — Prior to 2019, MTA (solely on behalf of MTA Long Island Rail Road and MTA Metro-North Railroad), MTA New York City Transit and MTA Bridges and Tunnels executed and delivered three Series of Certificates of Participation in the aggregate principal amount of \$807 to finance certain building and leasehold improvements to an office building at Two Broadway in Manhattan occupied principally by MTA New York City Transit, MTA Bridges and Tunnels, MTA Capital Construction, and MTAHQ. The Certificates of Participation represented proportionate interests in the principal and interest components of Base Rent paid severally, but not jointly, in their respective proportionate shares by MTA New York City Transit, MTA, and MTA Bridges and Tunnels, pursuant to a Leasehold Improvement Sublease Agreement.

MTA Bridges and Tunnels General Revenue Bonds — Prior to 2019, MTA Bridges and Tunnels issued thirty- one Series of General Revenue Bonds secured under its General Resolution Authorizing General Revenue Obligations adopted on March 26, 2002, in the aggregate principal amount of \$12,899. The General Revenue Bonds are MTA Bridges and Tunnels' general obligations payable generally from the net revenues collected on the bridges and tunnels operated by MTA Bridges and Tunnels.

On May 23, 2019, MTA issued \$150 Triborough Bridge and Tunnel Authority General Revenue Bonds, Series 2019A to finance bridge and tunnel capital projects. The Series 2019A bonds were issued as tax-exempt fixed rate bonds with a final maturity of November 15, 2049.

On September 30, 2019, MTA issued \$102 Triborough Bridge and Tunnel Authority General Revenue Refunding Bonds, Series 2019B. The Series 2019B bonds were issued as taxable fixed rate bonds with a final maturity of November 15, 2044. Proceeds from the transaction were used to refund \$101 Triborough Bridge and Tunnel Authority General Revenue Variable Rate Bonds, Series 2001B.

On December 3, 2019, MTA issued \$200 Triborough Bridge and Tunnel Authority General Revenue Bonds, Series 2019C. Proceeds from the transaction will be used to finance existing approved bridge and tunnel capital projects. The Series 2019C bonds were issued as fixed rate tax-exempt bonds with a final maturity of November 15, 2048.

On December 3, 2019, MTA effectuated a mandatory tender and remarketed \$46.050 Triborough Bridge and Tunnel Authority General Revenue Variable Rate Bonds, Subseries 2003B-2 because its current interest rate period expired by its terms. The Series 2003B-2 Bonds were remarketed in Term Rate Mode as Floating Rate Tender Notes with a purchase date of November 15, 2024 and with an interest rate of SIFMA plus 0.25%.

MTA Bridges and Tunnels Subordinate Revenue Bonds — Prior to 2019, MTA Bridges and Tunnels issued twelve Series of Subordinate Revenue Bonds secured under its 2001 Subordinate Revenue Resolution Authorizing Subordinate Revenue Obligations adopted on March 26, 2002, in the aggregate principal amount of \$3,871. The Subordinate Revenue Bonds are MTA Bridges and Tunnels' special obligations payable generally from the net revenues collected on the bridges and tunnels operated by MTA Bridges and Tunnels after the payment of debt service on the MTA Bridges and Tunnels General Revenue Bonds described in the preceding paragraph.

MTA Hudson Rail Yards Trust Obligations — The MTA Hudson Rail Yards Trust Obligations, Series 2016A (“Series 2016A Obligations”) were executed and delivered on September 22, 2016 by Wells Fargo Bank National Association, as Trustee (“Trustee”), to (i) retire the outstanding Transportation Revenue Bond Anticipation Notes, Series 2016A of the MTA, which were issued to provide interim financing of approved capital program transit and commuter projects, (ii) finance approved capital program transit and commuter projects of the affiliates and subsidiaries of the MTA, (iii) fund an Interest Reserve Requirement in an amount equal to one-sixth (1/6) of the greatest amount of Interest Components (as hereinafter defined) in the current or any future year, (iv) fund a portion of the Capitalized Interest Fund requirement, and (v) finance certain costs of issuance.

Pursuant to the Financing Agreement (as hereinafter defined), the MTA has agreed to pay to, or for the benefit of, the Trustee the “MTA Financing Agreement Amount,” consisting of principal and interest components. The Series 2016A Obligations evidence the interest of the Owners thereof in such MTA Financing Agreement Amount payable by the MTA pursuant to the Financing Agreement. The principal amount of the Series 2016A Obligations represent the principal components of

the MTA Financing Agreement Amount (“Principal Components”) and the interest represent the interest components of the MTA Financing Agreement Amount (“Interest Components”). The Series 2016A Obligations (and the related Principal Components and Interest Components) are special limited obligations payable solely from the Trust Estate established under the MTA Hudson Rail Yards Trust Agreement, dated as of September 1, 2016 (“Trust Agreement”), by and between the MTA and the Trustee.

The Trust Estate consists principally of (i) the regularly scheduled rent, delinquent rent or prepaid rent (“Monthly Ground Rent”) to be paid by Ground Lease Tenants (the tenants under the Western Rail Yard Original Ground Lease and each Severed Parcel Ground Lease of the Eastern Rail Yard) of certain parcels being developed on and above the Eastern Rail Yard and Western Rail Yard portions of the John D. Caemmerer West Side Yards (“Hudson Rail Yards”) currently operated by The Long Island Rail Road Company (“LIRR”), (ii) monthly scheduled transfers from the Capitalized Interest Fund during the limited period that the Monthly Ground Rent is abated under the applicable Ground Lease, (iii) payments made by the Ground Lease Tenants if they elect to exercise their option to purchase the fee interest in such parcels (“Fee Purchase Payments”), (iv) Interest Reserve Advances and Direct Cost Rent Credit Payments (collectively “Contingent Support Payments”) made by the MTA, (v) rights of the MTA to exercise certain remedies under the Ground Leases and (vi) rights of the Trustee to exercise certain remedies under the Ground Leases and the Fee Mortgages.

Pursuant to the Interagency Financing Agreement, dated as of September 1, 2016 (“Financing Agreement”), by and among the MTA, New York City Transit Authority, Manhattan and Bronx Surface Transit Operating Authority, LIRR, Metro-North Commuter Railroad Company, and MTA Bus Company (collectively, the “Related Transportation Entities”), and the Trustee, the MTA has agreed to pay to the Trustee the MTA Financing Agreement Amount with moneys provided by the Financing Agreement Payments (which are principally the revenues within the Trust Estate) and Interest Reserve Advances. The MTA has established a deposit account with Wells Fargo Bank, National Association, as depository (“Depository”), and the MTA will direct all Ground Lease Tenants to make Monthly Ground Rent and Fee Purchase Payments (payments made by the Ground Lease Tenants if they elect to exercise their option to purchase the fee interest in such parcels) directly to the Depository, which deposits will be transferred daily to the Trustee. In addition, in the event the MTA elects to exercise certain Authority Cure Rights upon the occurrence of a Ground Lease Payment Event of Default or is required to make certain Direct Cost Rent Credit Payments, the MTA will make all payments relating to defaulted and future Monthly Ground Rent directly to the Depository.

On July 15, 2019, MTA effectuated the early mandatory redemption of a portion of the MTA Hudson Rail Yards Trust Obligations, Series 2016A maturing on November 15, 2046 in the Principal Component of \$68. This is due to the payment of Fee Purchase Payments in connection with three commercial condominium units to be owned and occupied by Wells Fargo and KKR.

Refer to Note 8 for further information on Leases.

Debt Limitation — The New York State Legislature has imposed limitations on the aggregate amount of debt that the MTA and MTA Bridges and Tunnels can issue to fund the approved transit and commuter capital programs. The current aggregate ceiling, subject to certain exclusions, is \$55,497 compared with issuances totaling approximately \$35,396. The MTA expects that the current statutory ceiling will allow it to fulfill the bonding requirements of the approved Capital Programs.

Bond Refundings — From time to time, the MTA and MTA Bridges and Tunnels issue refunding bonds to achieve debt service savings or other benefits. The proceeds of refunding bonds are generally used to purchase U.S. Treasury obligations that are placed in irrevocable trusts. The principal and interest within the trusts will be used to repay the refunded debt. The trust account assets and the refunded debt are excluded from the consolidated statements of net position.

At December 31, 2019 and 2018, the following amounts of MTA bonds, which have been refunded, remain valid debt instruments and are secured solely by and payable solely from their respective irrevocable trusts.

| (In millions) | December 31, 2019 | December 31, 2018 |
|---|----------------------|----------------------|
| MTA Transit and Commuter Facilities: | | |
| Transit Facilities Revenue Bonds | \$ 148 | \$ 169 |
| Commuter Facilities Revenue Bonds | 150 | 172 |
| Dedicated Tax Fund Bonds | 22 | 42 |
| MTA Bridges and Tunnels: | | |
| General Purpose Revenue Bonds | 628 | 674 |
| Special Obligation Subordinate Bonds | 89 | 102 |
| Total | \$ 1,037 | \$ 1,159 |

For the year ended December 31, 2019, MTA refunding transactions increased aggregate debt service payments by \$128 and provided an economic gain of \$19. During the year ended December 31, 2018, MTA refunding transactions decreased aggregate debt service payments by \$105 and provided an economic gain of \$110. Details of bond refunding savings for December 31, 2019 and December 31, 2018 are as follows:

| Refunding Bonds Issued in 2019 | (In millions) | Series | Date issued | Par value Refunded | Debt Service Savings (Increase) |
|---|---------------|-------------|-------------|--------------------|---------------------------------|
| Transportation Revenue Bonds | | TRB 2019D-1 | 11/07/2019 | \$ 140 | \$ (7) |
| | | TRB 2019D-2 | 11/07/2019 | 101 | (62) |
| | | | | 241 | (69) |
| MTA Bridges and Tunnels General Revenue Bonds | | TBTA 2019B | 09/25/2019 | 102 | (59) |
| Total Bond Refunding Savings | | | | \$ 343 | \$ (128) |

| Refunding Bonds Issued in 2018 | (In millions) | Series | Date issued | Par value Refunded | Debt Service Savings (Increase) |
|---|---------------|------------|-------------|--------------------|---------------------------------|
| Transportation Revenue Bonds | | TRB 2018B | 08/23/2018 | \$ 207 | \$ 30 |
| MTA Bridges and Tunnels General Revenue Bonds | | TBTA 2018B | 08/30/2018 | 270 | 80 |
| | | TBTA 2018C | 08/30/2018 | 159 | (5) |
| | | | | 429 | 75 |
| Total Bond Refunding Savings | | | | \$ 636 | \$ 105 |

For the year ended December 31, 2019, the accounting gain on bond refundings totaled \$0. For the year ended December 31, 2018, the accounting loss on bond refundings totaled \$1.

Unamortized gains and losses related to bond refundings were as follows:

| (In millions) | December 31, 2017 | (Gain)/loss on refunding | Current year amortization | December 31, 2018 | (Gain)/loss on refunding | Current year amortization | December 31, 2019 |
|------------------------------|-------------------|--------------------------|---------------------------|-------------------|--------------------------|---------------------------|-------------------|
| MTA: | | | | | | | |
| Transportation Revenue Bonds | \$ 728 | \$ (2) | \$ (56) | \$ 670 | \$ - | \$ (100) | \$ 570 |
| State Service Contract Bonds | (10) | - | (2) | (12) | - | - | (12) |
| Dedicated Tax Fund Bonds | 254 | - | (16) | 238 | - | (16) | 222 |
| | 972 | (2) | (74) | 896 | - | (116) | 780 |
| TBTA: | | | | | | | |
| General Revenue Bonds | 233 | 1 | (25) | 209 | - | (17) | 192 |
| Subordinate Revenue Bonds | 30 | - | 3 | 33 | - | (4) | 29 |
| | 263 | 1 | (22) | 242 | - | (21) | 221 |
| Total | \$ 1,235 | \$ (1) | \$ (96) | \$ 1,138 | \$ - | \$ (137) | \$ 1,001 |

Debt Service Payments — Future principal and interest debt service payments at December 31, 2019 are as follows (in millions):

| | MTA | | MTA BRIDGES AND TUNNELS | | Debt Service | |
|------------|------------------|------------------|-------------------------|-----------------|------------------|------------------|
| | Principal | Interest | Principal | Interest | Principal | Interest |
| 2020 | \$ 4,258 | \$ 1,415 | \$ 315 | \$ 329 | \$ 4,573 | \$ 1,744 |
| 2021 | 2,037 | 1,295 | 317 | 318 | 2,354 | 1,613 |
| 2022 | 3,778 | 1,225 | 328 | 304 | 4,106 | 1,529 |
| 2023 | 939 | 1,147 | 355 | 288 | 1,294 | 1,435 |
| 2024 | 976 | 1,007 | 383 | 270 | 1,359 | 1,277 |
| 2025-2029 | 5,445 | 4,045 | 2,204 | 1,070 | 7,649 | 5,115 |
| 2030-2034 | 6,390 | 3,081 | 2,072 | 626 | 8,462 | 3,707 |
| 2035-2039 | 5,379 | 2,046 | 1,275 | 339 | 6,654 | 2,385 |
| 2040-2044 | 2,738 | 965 | 870 | 104 | 3,608 | 1,069 |
| 2045-2049 | 1,682 | 399 | 586 | 20 | 2,268 | 419 |
| 2050-2054 | 878 | 128 | 13 | 1 | 891 | 129 |
| 2055-2059 | 554 | 16 | - | - | 554 | 16 |
| Thereafter | - | - | - | - | - | - |
| | \$ 35,054 | \$ 16,769 | \$ 8,718 | \$ 3,669 | \$ 43,772 | \$ 20,438 |

The above interest amounts include both fixed- and variable-rate calculations. The interest rate assumptions for variable rate bonds are as follows:

- *Transportation Revenue Refunding Bonds, Series 2002D* — 4.45% per annum taking into account the interest rate swap plus the current fixed floating rate note spread.
- *Transportation Revenue Refunding Bonds, Series 2002G* — 3.542% per annum taking into account the interest rate swap plus the current fixed floating rate note spread; and 4.00% per annum plus the current fixed floating rate note spread on the unhedged portion.
- *Transportation Revenue Bonds, Series 2005D* — 3.561% per annum taking into account the interest rate swaps.
- *Transportation Revenue Bonds, Series 2005E* — 3.561% per annum taking into account the interest rate swaps and 4.00% per annum on the unhedged portion.
- *Transportation Revenue Bonds, Series 2011B* — 3.542% per annum taking into account the interest rate swaps plus the current fixed floating rate note spread; and 4.00% per annum plus the current fixed floating rate note spread on the unhedged portion.
- *Transportation Revenue Bonds, Series 2012A* — 4.00% per annum plus the current fixed floating rate note spread.
- *Transportation Revenue Bonds, Series 2012G* — 3.563% per annum taking into account the interest rate swaps plus the current fixed floating rate note spread.
- *Transportation Revenue Bonds, Series 2014D-2* — 4.00% per annum plus the current fixed floating rate note spread.
- *Transportation Revenue Bonds, Series 2015A-2* — 4.00% per annum plus the current fixed floating rate note spread.
- *Transportation Revenue Bonds, Series 2015E* — 4.00% per annum.
- *Dedicated Tax Fund Bonds, Series 2002B* — 4.00% per annum on SubSeries 2002B-1; and 4.00% per annum plus the current fixed floating rate note spread.
- *Dedicated Tax Fund Variable Rate Refunding Bonds, Series 2008A* — 3.316% per annum taking into account the interest rate swaps plus the current fixed floating rate note spread; and 4.00% per annum plus the current fixed floating rate note spread on the unhedged portion.
- *Dedicated Tax Fund Refunding Bonds, SubSeries 2008B-3a and 2008B-3c* — 4.00% per annum plus the current fixed floating rate note spread.
- *MTA Bridges and Tunnels Subordinate Refunding Bonds, Series 2000ABCD* — 6.08% per annum taking into account the interest rate swap plus the current fixed floating rate note spread; and 4.00% per annum plus the current fixed floating rate note spread on the unhedged portion.
- *MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2001C* — 4.00% per annum.
- *MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2001B* — 4.00% per annum plus the current fixed floating rate note spread.
- *MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2002F* — 5.404% and 3.076% per annum taking into account the interest rate swaps and 4.00% per annum on portions not covered by the interest rate swaps.
- *MTA Bridges and Tunnels General Revenue Bonds, Series 2003B* — 4.00% per annum; and 4.00% per annum plus the current fixed floating rate note spread on SubSeries 2003B-2.
- *MTA Bridges and Tunnels General Revenue Bonds, Series 2005A* — 4.00% per annum except from November 1, 2027 through November 1, 2030, 3.076% per annum taking into account the interest rate swap.
- *MTA Bridges and Tunnels General Revenue Refunding Bonds, Series 2005B* — 3.076% per annum based on the Initial Interest Rate Swaps plus the current fixed floating rate note spread.
- *MTA Bridges and Tunnels General Revenue Bonds, Series 2008B-2* — 4.00% per annum plus the current fixed floating rate note spread.
- *MTA Bridges and Tunnels General Revenue Bonds, Series 2018D* — 4.00% per annum plus the current fixed floating rate note spread.
- *MTA Bridges and Tunnels General Revenue Bonds, Series 2018E* — 4.00% per annum.

Loans Payable – The MTA and the New York Power Authority (“NYPA”) entered into an updated Energy Services Program Agreement (“ESP Agreement”). The ESP Agreement authorized MTA affiliates and subsidiaries to enter into a Customer Installation Commitment (“CIC”) with NYPA for turn-key, energy efficiency projects, which would usually be long-term funded and constructed by NYPA. The repayment period for the NYPA loan can be up to 20 years, but can be repaid at any time without penalty.

The debt service requirements at December 31, 2019 are as follows (in millions):

| Year | Principal | Interest | Total |
|--------------------------|---------------|--------------|---------------|
| 2020 | \$ 16 | \$ 3 | \$ 19 |
| 2021 | 15 | 3 | 18 |
| 2022 | 14 | 2 | 16 |
| 2023 | 12 | 2 | 14 |
| 2024 | 10 | 2 | 12 |
| 2025-2029 | 39 | 3 | 42 |
| 2030-2034 | 16 | 1 | 17 |
| 2035-2039 | 2 | 0 | 2 |
| Total | <u>\$ 124</u> | <u>\$ 16</u> | <u>\$ 140</u> |
| Current portion | \$ 16 | | |
| Long-term portion | <u>108</u> | | |
| Total NYPA Loans Payable | <u>\$ 124</u> | | |

The above interest amounts include both fixed and variable rate calculations. Interest on the variable-rate loan is paid at the Securities Industry and Financial Markets Association Municipal Swap Index (“SIFMA”) rate and is reset annually.

Tax Rebate Liability — Under the Internal Revenue Code of 1986, the MTA may accrue a liability for an amount of rebateable arbitrage resulting from investing low-yielding, tax-exempt bond proceeds in higher-yielding, taxable securities. The arbitrage liability is payable to the federal government every five years. No accruals or payments were made during the years ended December 31, 2019 and 2018.

Liquidity Facility — MTA and MTA Bridges and Tunnels have entered into several Standby Bond Purchase Agreements (“SBPA”) and Letter of Credit Agreements (“LOC”) as listed on the table below.

| Resolution | Series | Swap | Provider (Insurer) | Type of Facility | Exp. Date |
|---|----------|------|--------------------------------|------------------|------------|
| Transportation Revenue | 2002G-1g | Y | TD Bank, N.A. | LOC | 11/1/2021 |
| Transportation Revenue | 2005D-2 | Y | Helaba | LOC | 11/10/2022 |
| Transportation Revenue | 2005E-1 | Y | PNC Bank, National Association | LOC | 8/20/2021 |
| Transportation Revenue | 2005E-2 | Y | Bank of America, N.A. | LOC | 12/10/2021 |
| Transportation Revenue | 2005E-1 | Y | PNC Bank, National Association | LOC | 8/20/2021 |
| Transportation Revenue | 2012A-2 | N | Bank of Montreal | LOC | 6/2/2022 |
| Transportation Revenue | 2012G-2 | Y | TD Bank, N.A. | LOC | 11/1/2021 |
| Transportation Revenue | 2015E-1 | N | U.S. Bank National Association | LOC | 8/20/2021 |
| Transportation Revenue | 2015E-3 | N | Bank of America, N.A. | LOC | 9/2/2022 |
| Transportation Revenue | 2015E-4 | N | PNC Bank, National Association | LOC | 9/3/2021 |
| Dedicated Tax Fund | 2002B-1 | N | Bank of Tokyo Mitsubishi | LOC | 3/22/2021 |
| Dedicated Tax Fund | 2008A-1 | Y | TD Bank, N.A. | LOC | 6/13/2022 |
| MTA Bridges and Tunnels General Revenue | 2001C | Y | State Street | LOC | 6/26/2023 |
| MTA Bridges and Tunnels General Revenue | 2002F | Y | Citibank, N.A. | LOC | 10/29/2021 |
| MTA Bridges and Tunnels General Revenue | 2003B-1 | N | Bank of America, N.A. | LOC | 1/21/2022 |
| MTA Bridges and Tunnels General Revenue | 2005A | Y | TD Bank, N.A. | LOC | 1/28/2020 |
| MTA Bridges and Tunnels General Revenue | 2005B-2 | Y | Citibank, N.A. | LOC | 1/23/2021 |
| MTA Bridges and Tunnels General Revenue | 2005B-3 | Y | State Street | LOC | 6/26/2023 |
| MTA Bridges and Tunnels General Revenue | 2005B-4c | Y | U.S. Bank National Association | LOC | 5/26/2022 |
| MTA Bridges and Tunnels General Revenue | 2018E | N | Bank of America, N.A. | LOC | 12/12/2022 |

Derivative Instruments — Fair value for the swaps is calculated in accordance with GASB Statement No. 72, utilizing the income approach and Level 2 inputs. It incorporates the mid-market valuation, nonperformance risk of either MTA/ MTA Bridges and Tunnels or the counterparty, as well as bid/offer. The fair values were estimated using the zero-coupon method. This method calculates the future net settlement payments required by the swap, assuming that the current forward rates implied by the yield curve correctly anticipate future spot interest rates. These payments are then discounted using the spot rates implied by the current yield curve for hypothetical zero-coupon bonds due on the date of each future net settlement on the swap.

The fair value balances and notional amounts of derivative instruments outstanding at December 31, 2019 and 2018, classified by type, and the changes in fair value of such derivative instruments from the year ended December 31, 2018 are as follows (in \$ millions):

Derivative Instruments - Summary Information as of December 31, 2019

| Bond Resolution Credit | Underlying Bond Series | Type of Derivative | Cash Flow or Fair Value Hedge | Effective Methodology | Trade/Hedge Association Date | Notional Amount | Fair Value |
|--|------------------------------|--------------------|-------------------------------|-----------------------|------------------------------|---------------------|---------------------|
| Cashflow Hedges | | | | | | | |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2002F & 2003B-2 (Citi 2005B) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 6/2/2005 | \$ 189.300 | \$ (32.439) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005B-2,3,4 | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 6/2/2005 | 567.900 | (97.316) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005A (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 22.650 | (2.699) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005C (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 12/5/2016 | 21.275 | (1.280) |
| MTA Dedicated Tax Fund Bonds | 2008A | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 3/8/2005 | 304.000 | (44.413) |
| MTA Transportation Revenue Bonds | 2002D-2 | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 7/11/2002 | 200.000 | (67.381) |
| MTA Transportation Revenue Bonds | 2005D & 2005E | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 9/10/2004 | 350.420 | (67.540) |
| MTA Transportation Revenue Bonds | 2012G | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 12/12/2007 | 356.375 | (86.689) |
| MTA Transportation Revenue Bonds | 2002G-1 (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 112.730 | (7.972) |
| MTA Transportation Revenue Bonds | 2011B (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 84.520 | (15.530) |
| Total | | | | | | <u>\$ 2,209.170</u> | <u>\$ (423.259)</u> |

Derivative Instruments - Summary Information as of December 31, 2018

| Bond Resolution Credit | Underlying Bond Series | Type of Derivative | Cash Flow or Fair Value Hedge | Effective Methodology | Trade/Hedge Association Date | Notional Amount | Fair Value |
|---|------------------------------|--------------------|-------------------------------|-----------------------|------------------------------|---------------------|---------------------|
| Cashflow Hedges | | | | | | | |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2002F & 2003B-2 (Citi 2005B) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 6/2/2005 | \$ 190.30 | \$ (24.025) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005B-2,3,4 | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 6/2/2005 | 570.900 | (72.074) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005A (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 22.650 | (2.339) |
| MTA Bridges and Tunnels Senior Revenue Bonds | 2005C (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 12/5/2016 | 40.275 | (1.326) |
| MTA Bridges and Tunnels Subordinate Revenue Bonds | 2000ABCD | SIFMA Fixed Payer | Cash Flow | Synthetic Instrument | 8/12/1998 | 11.150 | (0.264) |
| MTA Dedicated Tax Fund Bonds | 2008A | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 3/8/2005 | 324.670 | (36.330) |
| MTA Transportation Revenue Bonds | 2002D-2 | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 7/11/2002 | 200.000 | (55.474) |
| MTA Transportation Revenue Bonds | 2005D & 2005E | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 9/10/2004 | 365.860 | (53.882) |
| MTA Transportation Revenue Bonds | 2012G | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 12/12/2007 | 356.775 | (66.854) |
| MTA Transportation Revenue Bonds | 2002G-1 (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 127.660 | (7.869) |
| MTA Transportation Revenue Bonds | 2011B (COPS 2004A) | Libor Fixed Payer | Cash Flow | Synthetic Instrument | 4/1/2016 | 69.590 | (12.498) |
| Total | | | | | | <u>\$ 2,279.830</u> | <u>\$ (332.935)</u> |

| | Changes In Fair Value | | Fair Value at December 31, 2019 | | Notional (in millions) |
|-------------------------------|----------------------------------|-------------------------|---------------------------------|-------------------------|---------------------------|
| | Classification | Amount (in millions) | Classification | Amount (in millions) | |
| Government activities | | | | | |
| Cash Flow hedges: | | | | | |
| Pay-fixed interest rate swaps | Deferred outflow of resources | \$(90.324) | Debt | \$(423.259) | \$2,209.170 |

Swap Agreements Relating to Synthetic Fixed Rate Debt

Board-adopted Guidelines. The Related Entities adopted guidelines governing the use of swap contracts on March 26, 2002. The guidelines were amended and approved by the MTA Board on March 13, 2013. The guidelines establish limits on the amount of interest rate derivatives that may be outstanding and specific requirements that must be satisfied for a Related Entity to enter into a swap contract, such as suggested swap terms and objectives, retention of a swap advisor, credit ratings of the counterparties, collateralization requirements and reporting requirements.

Objectives of synthetic fixed rate debt. To achieve cash flow savings through a synthetic fixed rate, MTA and MTA Bridges and Tunnels have entered into separate pay-fixed, receive-variable interest rate swaps at a cost anticipated to be less than what MTA and MTA Bridges and Tunnels would have paid to issue fixed-rate debt, and in some cases where Federal tax law prohibits an advance refunding to synthetically refund debt on a forward basis.

Terms and Fair Values. The terms, fair values and counterparties of the outstanding swaps of MTA and MTA Bridges and Tunnels are reflected in the following tables (as of December 31, 2019).

| Metropolitan Transportation Authority | | | | | | |
|---------------------------------------|--------------------------------|----------------|---------------|-----------------------------------|---|---------------------------|
| Related Bonds | Notional Amount as of 12/31/19 | Effective Date | Maturity Date | Terms | Counterparty and Ratings(S&P / Moody's / Fitch) | Fair Value as of 12/31/19 |
| TRB 2002D-2 | \$ 200.000 | 01/01/07 | 11/01/32 | Pay 4.45%; receive 69% 1M LIBOR | JPMorgan Chase Bank, NA (A+ / Aa2 / AA) | \$ (67.381) |
| TRB 2005D & 2005E | 262.815 | 11/02/05 | 11/01/35 | Pay 3.561%; receive 67% 1M LIBOR | UBS AG (A+ / Aa3 / AA-) | (50.655) |
| TRB 2005E | 87.605 | 11/02/05 | 11/01/35 | Pay 3.561%; receive 67% 1M LIBOR | AIG Financial Products ⁽¹⁾ (BBB+ / Baa1 / BBB+) | (16.885) |
| TRB 2012G | 356.375 | 11/15/12 | 11/01/32 | Pay 3.563%; receive 67% 1M LIBOR | JPMorgan Chase Bank, NA (A+ / Aa2 / AA) | (86.689) |
| DTF 2008A | 304.000 | 03/24/05 | 11/01/31 | Pay 3.3156%; receive 67% 1M LIBOR | Bank of New York Mellon (AA- / Aa2 / AA) | (44.413) |
| Total | \$ 1,210.795 | | | | | \$ (266.023) |

¹ Guarantor: American International Group, Inc., parent of AIG Financial Products.

| MTA Bridges and Tunnels | | | | | | |
|--|-----------------------------------|-------------------|------------------|-------------------------------------|---|------------------------------|
| Related Bonds | Notional Amount as of 12/31/19 | Effective Date | Maturity Date | Terms | Counterparty and Ratings (S&P / Moody's / Fitch) | Fair Value as of 12/31/19 |
| TBTA 2002F & 2003B-2 | \$ 189.300 | 07/07/05 | 01/01/32 | Pay 3.076%; receive 67% 1M LIBOR | Citibank, N.A. (A+ / Aa3 / A+) | \$ (32.439) |
| TBTA 2005B-2 | 189.300 | 07/07/05 | 01/01/32 | Pay 3.076%; receive 67% 1M LIBOR | JPMorgan Chase Bank, NA (A+ / Aa2 / AA) | (32.439) |
| TBTA 2005B-3 | 189.300 | 07/07/05 | 01/01/32 | Pay 3.076%; receive 67% 1M LIBOR | BNP Paribas North America (A+ / Aa3 / A+) | (32.439) |
| TBTA 2005B-4 | 189.300 | 07/07/05 | 01/01/32 | Pay 3.076%; receive 67% 1M LIBOR | UBS AG (A+ / Aa3 / AA-) | (32.439) |
| TRB 2002G-1 & 2011B TBTA 2005A & 2001C ² | 120.588 ³ | 04/01/16 | 01/01/30 | Pay 3.52%; receive 67% 1M LIBOR | U.S. Bank N.A. (AA- / A1 / AA-) | (13.740) ³ |
| TRB 2002G-1 & 2011B TBTA 2005A & 2001C ² | 120.587 ³ | 04/01/16 | 01/01/30 | Pay 3.52%; receive 67% 1M LIBOR | Wells Fargo Bank, N.A. (A+ / Aa2 / AA-) | (13.740) ³ |
| Total | \$ 998.375 | | | | | \$ (157.236) |

1 Guarantor: BNP Paribas.

2 Between November 22, 2016 and December 5, 2016, the Variable Rate Certificates of Participation, Series 2004A were redeemed. Corresponding notional amounts from the Series 2004A COPs were reassigned to MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2001C.

3 Pursuant to an Interagency Agreement (following novations from UBS in April 2016), MTA New York City Transit is responsible for 68.7%, MTA is responsible for 21.0%, and TBTA is responsible for 10.3% of the transaction.

LIBOR: London Interbank Offered Rate

TRB: Transportation Revenue Bonds

DTF: Dedicated Tax Fund Bonds

Risks Associated with the Swap Agreements

From MTA's and MTA Bridges and Tunnels' perspective, the following risks are generally associated with swap agreements:

Credit Risk. The risk that a counterparty becomes insolvent or is otherwise not able to perform its financial obligations. To mitigate the exposure to credit risk, the swap agreements include collateral provisions in the event of downgrades to the swap counterparties' credit ratings. Generally, MTA and MTA Bridges and Tunnels' swap agreements contain netting provisions under which transactions executed with a single counterparty are netted to determine collateral amounts. Collateral may be posted with a third-party custodian in the form of cash, U.S. Treasury securities, or certain Federal agency securities. MTA and MTA Bridges and Tunnels require its counterparties to fully collateralize if ratings fall below certain levels (in general, at the Baa1/BBB+ or Baa2/BBB levels), with partial posting requirements at higher rating levels (details on collateral posting discussed further under "Collateralization/Contingencies"). As of December 31, 2019, all of the valuations were in liability positions to MTA and MTA Bridges and Tunnels; accordingly, no collateral was posted by any of the counterparties.

The following table shows, as of December 31, 2019, the diversification, by percentage of notional amount, among the various counterparties that have entered into ISDA Master Agreements with MTA and/or MTA Bridges and Tunnels. The notional amount totals below include all swaps.

| Counterparty | S&P | Moody's | Fitch | Notional Amount (in thousands) | % of Total Notional Amount |
|--|------|---------|-------|-----------------------------------|-------------------------------|
| JPMorgan Chase Bank, NA | A+ | Aa2 | AA | \$745,675 | 33.75% |
| UBS AG | A+ | Aa3 | AA- | 452,115 | 20.47 |
| The Bank of New York Mellon | AA- | Aa2 | AA | 304,000 | 13.76 |
| Citibank, N.A. | A+ | Aa3 | A+ | 189,300 | 8.57 |
| BNP Paribas US Wholesale Holdings, Corp. | A+ | Aa3 | A+ | 189,300 | 8.57 |
| U.S. Bank National Association | AA- | A1 | AA- | 120,588 | 5.46 |
| Wells Fargo Bank, N.A. | A+ | Aa2 | AA- | 120,587 | 5.45 |
| AIG Financial Products Corp. | BBB+ | Baa1 | BBB+ | 87,605 | 3.97 |
| Total | | | | \$2,209,170 | 100.00% |

Interest Rate Risk. MTA and MTA Bridges and Tunnels are exposed to interest rate risk on the interest rate swaps. On the pay-fixed, receive variable interest rate swaps, as LIBOR or SIFMA (as applicable) decreases, MTA and MTA Bridges and Tunnels' net payments on the swaps increase.

Basis Risk. The risk that the variable rate of interest paid by the counterparty under the swap and the variable interest rate paid by MTA or MTA Bridges and Tunnels on the associated bonds may not be the same. If the counterparty's rate under the swap is lower than the bond interest rate, then the counterparty's payment under the swap agreement does not fully reimburse MTA or MTA Bridges and Tunnels for its interest payment on the associated bonds. Conversely, if the bond interest rate is lower than the counterparty's rate on the swap, there is a net benefit to MTA or MTA Bridges and Tunnels.

Termination Risk. The risk that a swap agreement will be terminated and MTA or MTA Bridges and Tunnels will be required to make a swap termination payment to the counterparty and, in the case of a swap agreement which was entered into for the purpose of creating a synthetic fixed rate for an advance refunding transaction may also be required to take action to protect the tax-exempt status of the related refunding bonds.

The ISDA Master Agreement sets forth certain termination events applicable to all swaps entered into by the parties to that ISDA Master Agreement. MTA and MTA Bridges and Tunnels have entered into separate ISDA Master Agreements with each counterparty that govern the terms of each swap with that counterparty, subject to individual terms negotiated in a confirmation. MTA and MTA Bridges and Tunnels are subject to termination risk if its credit ratings fall below certain specified thresholds or if MTA/MTA Bridges and Tunnels commits a specified event of default or other specified event of termination. If, at the time of termination, a swap were in a liability position to MTA or MTA Bridges and Tunnels, a termination payment would be owed by MTA or MTA Bridges and Tunnels to the counterparty, subject to applicable netting arrangements.

The following tables set forth the Additional Termination Events for MTA/MTA Bridges and Tunnels and its counterparties.

| MTA Transportation Revenue | | |
|---|-------------------------------------|-------------------------------------|
| Counterparty Name | MTA | Counterparty |
| AIG Financial Products Corp.; JPMorgan Chase Bank, NA; UBS AG | Below Baa3 (Moody's) or BBB- (S&P)* | Below Baa3 (Moody's) or BBB- (S&P)* |

*Note: Equivalent Fitch rating is replacement for Moody's or S&P.

| MTA Dedicated Tax Fund | | |
|-------------------------------|---------------------------------|----------------------------------|
| Counterparty Name | MTA | Counterparty |
| Bank of New York Mellon | Below BBB (S&P) or BBB (Fitch)* | Below A3 (Moody's) or A- (S&P)** |

*Note: Equivalent Moody's rating is replacement for S&P or Fitch.

**Note: Equivalent Fitch rating is replacement for Moody's or S&P.

| MTA Bridges and Tunnels Senior Lien | | |
|---|------------------------------------|-------------------------------------|
| Counterparty Name | MTA Bridges and Tunnels | Counterparty |
| BNP Paribas US Wholesale Holdings, Corp.; Citibank, N.A.; JPMorgan Chase Bank, NA; UBS AG | Below Baa2 (Moody's) or BBB (S&P)* | Below Baa1 (Moody's) or BBB+ (S&P)* |

*Note: Equivalent Fitch rating is replacement for Moody's or S&P.

| MTA Bridges and Tunnels Subordinate Lien | | |
|---|-----------------------------------|-------------------------------------|
| Counterparty Name | MTA Bridges and Tunnels | Counterparty |
| U.S. Bank National Association; Wells Fargo Bank, N.A. | BelowBaa2 (Moody's) or BBB (S&P)* | Below Baa2 (Moody's) or BBB (S&P)** |

*Note: Equivalent Fitch rating is replacement for Moody's or S&P. If not below Investment Grade, MTA Bridges and Tunnels may cure such Termination Event by posting collateral at a Zero threshold.

**Note: Equivalent Fitch rating is replacement for Moody's or S&P.

MTA and MTA Bridges and Tunnels' ISDA Master Agreements provide that the payments under one transaction will be netted against other transactions entered into under the same ISDA Master Agreement. Under the terms of these agreements, should one party become insolvent or otherwise default on its obligations, close-out netting provisions permit the non-defaulting party to accelerate and terminate all outstanding transactions and net the amounts so that a single sum will be owed by, or owed to, the non-defaulting party.

Rollover Risk. The risk that the swap agreement matures or may be terminated prior to the final maturity of the associated bonds on a variable rate bond issuance, and MTA or MTA Bridges and Tunnels may be exposed to then market rates and cease to receive the benefit of the synthetic fixed rate for the duration of the bond issue. The following debt is exposed to rollover risk:

| Associated Bond Issue | Bond Maturity Date | Swap Termination Date |
|---|---------------------------|---|
| MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2001C (swaps with U.S. Bank/Wells Fargo) | January 1, 2032 | January 1, 2030 |
| MTA Bridges and Tunnels General Revenue Variable Rate Refunding Bonds, Series 2002F (swap with Citibank, N.A.) | November 1, 2032 | January 1, 2032 |
| MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2003B (swap with Citibank, N.A.) | January 1, 2033 | January 1, 2032 |
| MTA Bridges and Tunnels General Revenue Variable Rate Bonds, Series 2005A (swaps with U.S. Bank/Wells Fargo and Citibank, N.A.) | November 1, 2035 | January 1, 2030 (U.S. Bank/Wells Fargo) January 1, 2032 (Citibank) |
| MTA Transportation Revenue Variable Rate Bonds, Series 2011B (swaps with U.S. Bank/Wells Fargo) | November 1, 2041 | January 1, 2030 |

Collateralization/Contingencies. Under the majority of the swap agreements, MTA and/or MTA Bridges and Tunnels is required to post collateral in the event its credit rating falls below certain specified levels. The collateral posted is to be in the form of cash, U.S. Treasury securities, or certain Federal agency securities, based on the valuations of the swap agreements in liability positions and net of the effect of applicable netting arrangements. If MTA and/or MTA Bridges and Tunnels do not post collateral, the swap(s) may be terminated by the counterparty(ies).

As of December 31, 2019, the aggregate mid-market valuation of the MTA's swaps subject to collateral posting agreements was (\$227.698); as of this date, the MTA was not subject to collateral posting based on its credit ratings (see further details below).

As of December 31, 2019, the aggregate mid-market valuation of MTA Bridges and Tunnels' swaps subject to collateral posting agreements was (\$157.173); as of this date, MTA Bridges and Tunnels was not subject to collateral posting based on its credit ratings (see further details below).

The following tables set forth the ratings criteria and threshold amounts applicable to MTA/MTA Bridges and Tunnels and its counterparties.

| MTA Transportation Revenue | | |
|---|--|---|
| Counterparty | MTA Collateral Thresholds (based on highest rating) | Counterparty Collateral Thresholds (based on highest rating) |
| AIG Financial Products Corp.; JPMorgan Chase Bank, NA; UBS AG | Baa1/BBB+: \$10 million Baa2/BBB & below: Zero | Baa1/BBB+: \$10 million Baa2/BBB & below: Zero |

Note: Based on Moody's and S&P ratings. In all cases except JPMorgan counterparty thresholds, Fitch rating is replacement for either Moody's or S&P, at which point threshold is based on lowest rating.

| MTA Dedicated Tax Fund | | |
|-------------------------------|----------------------------------|---|
| Counterparty | MTA Collateral Thresholds | Counterparty Collateral Thresholds (based on highest rating) |
| Bank of New York Mellon | N/A—MTA does not post collateral | Aa3/AA- & above: \$10 million A1/A+: \$5 million A2/A: \$2 million A3/A-: \$1 million Baa1/BBB+ & below: Zero |

Note: Counterparty thresholds based on Moody's and S&P ratings. Fitch rating is replacement for either Moody's or S&P.

| MTA Bridges and Tunnels Senior Lien | | |
|--|--|---|
| Counterparty | MTA Bridges and Tunnels Collateral Thresholds (based on highest rating) | Counterparty Collateral Thresholds (based on highest rating) |
| BNP Paribas US Wholesale Holdings, Corp.; Citibank, N.A.; JPMorgan Chase Bank, NA; UBS AG | Baa1/BBB+: \$30 million Baa2/BBB: \$15 million Baa3/BBB- & below: Zero | A3/A-: \$10 million Baa1/BBB+ & below: Zero |

Note: MTA Bridges and Tunnels thresholds based on Moody's, S&P, and Fitch ratings. Counterparty thresholds based on Moody's and S&P ratings; Fitch rating is replacement for Moody's or S&P.

| MTA Bridges and Tunnels Subordinate Lien | | |
|---|---|---|
| Counterparty | MTA Bridges and Tunnels Collateral Thresholds (based on lowest rating) | Counterparty Collateral Thresholds (based on lowest rating) |
| U.S. Bank National Association; Wells Fargo Bank, N.A. | Baa3/BBB- & below: Zero <i>(note: only applicable as cure for Termination Event)</i> | Aa3/AA- & above: \$15 million A1/A+ to A3/A-: \$5 million Baa1/BBB+ & below: Zero |

Note: Thresholds based on Moody's and S&P ratings. Fitch rating is replacement for Moody's or S&P.

Swap payments and Associated Debt. The following tables contain the aggregate amount of estimated variable- rate bond debt service and net swap payments during certain years that such swaps were entered into in order to: protect against the potential of rising interest rates; achieve a lower net cost of borrowing; reduce exposure to changing interest rates on a related bond issue; or, in some cases where Federal tax law prohibits an advance refunding, achieve debt service savings through a synthetic fixed rate. As rates vary, variable-rate bond interest payments and net swap payments will vary. Using the following assumptions, debt service requirements of MTA's and MTA Bridges and Tunnels' outstanding variable-rate debt and net swap payments are estimated to be as follows:

- It is assumed that the variable-rate bonds would bear interest at a rate of 4.0% per annum.
- The net swap payments were calculated using the actual fixed interest rate on the swap agreements.

| MTA | | | | |
|---------------------------------|---------------------|----------|-------------------|---------|
| (in millions) | | | | |
| Year Ended December 31, 2019 | Variable-Rate Bonds | | Net Swap Payments | Total |
| | Principal | Interest | | |
| 2020 | 38.4 | 46.5 | (4.9) | 80.0 |
| 2021 | 58.3 | 44.9 | (4.7) | 98.5 |
| 2022 | 63.3 | 42.6 | (4.4) | 101.5 |
| 2023 | 65.7 | 40.1 | (4.1) | 101.6 |
| 2024 | 68.2 | 37.5 | (3.8) | 101.8 |
| 2025-2029 | 356.5 | 173.7 | (13.8) | 516.5 |
| 2030-2034 | 729.7 | 391.9 | (4.8) | 1,116.9 |
| 2035-2039 | 93.5 | 18.5 | (0.6) | 111.5 |

| MTA Bridges and Tunnels | | | | |
|---------------------------------|---------------------|----------|-------------------|-------|
| (in millions) | | | | |
| Year Ended December 31, 2019 | Variable-Rate Bonds | | Net Swap Payments | Total |
| | Principal | Interest | | |
| 2020 | 25.4 | 37.0 | (6.9) | 55.5 |
| 2021 | 26.6 | 36.0 | (6.8) | 55.8 |
| 2022 | 27.6 | 34.9 | (6.8) | 55.7 |
| 2023 | 28.6 | 33.8 | (6.8) | 55.6 |
| 2024 | 57.2 | 31.5 | (6.4) | 82.3 |
| 2025-2029 | 289.2 | 133.1 | (30.5) | 391.8 |
| 2030-2034 | 499.7 | 23.6 | (5.2) | 518.1 |
| 2035-2039 | - | 2.0 | - | 2.0 |

8. LEASE TRANSACTIONS

Leveraged Lease Transactions: Qualified Technological Equipment — On December 19, 2002, the MTA entered into four sale/leaseback transactions whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit qualified technological equipment (“QTE”) relating to the MTA New York City Transit automated fare collection system to the MTA. The MTA sold that equipment to third parties and the MTA leased that equipment back from such third parties. Three of those four leases were terminated early and are no longer outstanding. The fourth lease expires in 2022, at which point the MTA has the option of either exercising a fixed-price purchase option for the equipment or returning the equipment to the third-party owner.

Under the terms of the outstanding sale/leaseback agreement the MTA initially received \$74.9, which was utilized as follows: The MTA paid \$52.1 to an affiliate of the lender to the third party, which affiliate has the obligation to pay to MTA an amount equal to the rent obligations under the lease attributable to the debt service on the loan from the third party’s lender. The MTA also purchased U.S. Treasury debt securities in amounts and with maturities, which are expected to be sufficient to pay the remainder of the regularly scheduled lease rent payments under the lease and the purchase price due upon exercise by the MTA of the related purchase option if exercised.

Leveraged Lease Transaction: Subway Cars — On September 3, 2003, the MTA entered into a sale/leaseback transaction whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit subway cars to the MTA, the MTA sold those cars to a third party, and the MTA leased those cars back from such third party. The MTA subleased the cars to MTA New York City Transit. The lease expires in 2033. At the lease expiration, the MTA has the option of either exercising a fixed-price purchase option for the cars or returning the cars to the third-party owner.

Under the terms of the sale/leaseback agreement, the MTA initially received \$168.1, which was utilized as follows: The MTA paid \$126.3 to an affiliate of one of the lenders to the third party, which affiliate has the obligation to pay to the MTA an amount equal to the rent obligations under the lease attributable to the debt service on such loan from such third party’s lender. The obligations of the affiliate of the third party’s lender are guaranteed by American International Group, Inc. The MTA also purchased the Federal National Mortgage Association (“FNMA”) and U.S. Treasury securities in amounts and with maturities which are sufficient to make the lease rent payments equal to the debt service on the loans from the other lender to the third party and to pay the remainder of the regularly scheduled rent due under that lease and the purchase price due upon exercise by the MTA of the fixed price purchase option if exercised. The amount remaining after payment of transaction expenses, \$7.4, was the MTA’s benefit from the transaction.

Leveraged Lease Transactions: Subway Cars — On September 25, 2003 and September 29, 2003, the MTA entered into two sale/leaseback transactions whereby MTA New York City Transit transferred ownership of certain MTA New York City Transit subway cars to the MTA, the MTA sold those cars to third parties, and the MTA leased those cars back from such third parties. The MTA subleased the cars to MTA New York City Transit. Both leases expire in 2033. At the lease expiration, MTAHQ has the option of either exercising a fixed-price purchase option for the cars or returning the cars to the third-party owner.

Under the terms of the sale/leaseback agreements, the MTA initially received \$294, which was utilized as follows: In the case of one of the leases, the MTA paid \$97 to an affiliate of one of the lenders to the third party, which affiliate has the obligation to pay to the MTA an amount equal to the rent obligations under the lease attributable to the debt service on the loan from such third party's lender. The obligations of the affiliate of such third party's lender are guaranteed by American International Group, Inc. In the case of the other lease, the MTA purchased U.S. Treasury debt securities in amounts and with maturities, which are sufficient for the MTA to make the lease rent payments equal to the debt service on the loan from the lender to that third party. In the case of both of the leases, the MTA also purchased Resolution Funding Corporation ("REFCO") debt securities that mature in 2030. Under an agreement with AIG Matched Funding Corp. (guaranteed by American International Group, Inc.), AIG Matched Funding Corp. receives the proceeds from the REFCO debt securities at maturity and is obligated to pay to the MTA amounts sufficient for the MTA to pay the remainder of the regularly scheduled lease rent payments under those leases and the purchase price due upon exercise by the MTA of the purchase options if exercised. The amount remaining after payment of transaction expenses, \$24, was the MTA's net benefit from these two transactions.

On September 16, 2008, the MTA learned that American International Group, Inc. was downgraded to a level that under the terms of the transaction documents for the sale/leaseback transaction that closed on September 29, 2003, the MTA was required to replace or restructure the applicable Equity Payment Undertaking Agreement provided by AIG Financial Products Corp. and guaranteed by American International Group, Inc. On December 17, 2008, MTA terminated the Equity Payment Undertaking Agreement provided by AIG Financial Products Corp. and guaranteed by American International Group, Inc. and provided replacement collateral in the form of U.S. Treasury strips. REFCO debt security that was being held in pledge was released to MTA. On November 6, 2008, the MTA learned that Ambac Assurance Corp., the provider of the credit enhancement that insures the MTA's contingent obligation to pay a portion of the termination values upon an early termination in both the September 25, 2003 and September 29, 2003 transactions, was downgraded to a level that required the provision of new credit enhancement facilities for each lease by December 21, 2008.

On December 17, 2008, MTA terminated the Ambac Assurance Corp. surety bond for the lease transaction that closed on September 25, 2003 and since then MTA has provided short-term U.S. Treasury debt obligations as replacement collateral. As of December 31, 2019, the market value of total collateral funds was \$38.7.

On January 12, 2009, MTA provided a short-term U.S. Treasury debt obligation as additional collateral in addition to the Ambac Assurance Corp. surety bond for the lease transaction that closed on September 29, 2003. From time to time, additional collateral has been required to be added such that the total market value of the securities being held as additional collateral are expected to be sufficient to pay the remainder of the regularly scheduled lease rent payments under the lease. As of December 31, 2019, the market value of total collateral funds was \$54.6.

MTA Hudson Rail Yards Ground Leases – In the 1980's, the MTA developed a portion of the Hudson Rail Yards as a storage yard, car wash and repair facility for the Long Island Railroad Company ("LIRR") rail cars entering Manhattan. It was anticipated that, eventually, the air rights above the Hudson Rail Yards would be developed to meet the evolving needs for high-quality commercial, retail, residential and public space in Manhattan. The Hudson Rail Yards is a rectangular area of approximately 26-acres bounded by 10th Avenue on the east, 12th Avenue on the west, 30th Street on the south and 33rd Street on the North. The Hudson Rail Yards is divided into the Eastern Rail Yards ("ERY") and the Western Rail Yards ("WRY"). In 2008, the MTA selected a development team led by the Related Companies, L.P to develop a commercial, residential and retail development on the ERY and the WRY.

To undertake the development of the Hudson Rail Yards, the MTA entered into 99-year ground leases ("Balance Leases") for the airspace above a limiting plane above the tracks (from 31st to 33rd Streets) and the area where there are no rail tracks (from 30th to 31st Streets) within the boundary of the Hudson Rail Yards ("Ground Leased Property"). The Balance Leases do not encumber the railroad tracks, which will continue to be used for transportation purposes.

The following ground leases, each with a 99-year term (beginning December 3, 2012), entered into between the MTA, as landlord, and a special purpose entity controlled by Related-Oxford, as Ground Lease tenants, all of which Ground Leases demise the Eastern Rail Yards ("ERY") and were severed from the ERY Balance Lease, dated as of April 10, 2013:

- the Ground Lease demising the Tower A Severed Parcel, also known as 30 Hudson Yards.
- the Ground Lease demising the Tower D Severed Parcel, also known as 15 Hudson Yards.
- the Ground Lease demising the Tower E Severed Parcel, also known as 35 Hudson Yards.
- the Ground Lease demising the Retail Podium Severed Parcel.

- the Ground Lease demising the Retail Pavilion Parcel.

The 99-year West Side Rail Yard (“WRY”) Balance Lease (beginning December 3, 2013) between the MTA and a special purpose entity controlled by Related-Oxford demising the WRY and the Severed Parcel Leases to be entered into upon the creation of Severed Parcels that may be severed from the WRY, at the option of the applicable Ground Lease Tenant, upon satisfaction of certain conditions, in order to construct improvements thereon in accordance with the terms of the applicable Severed Parcel Lease.

Both the ERY and WRY Ground Leases were pledged as security for the Series 2016A Hudson Yards Trust Obligations.

The MTA has also entered into the following ground leases which do not provide a source of payment or security for the Series 2016A Hudson Yards Trust Obligations:

- the now-terminated ground lease demising Tower C, also known as 10 Hudson Yards, as to which the Ground Lease tenant closed on its exercise of its Fee Conversion Option on August 1, 2016 for which MTA received \$120.
- the ground lease demising the Culture Shed, which does not pay any Monthly Ground Rent, and
- the ground lease demising the Open Space Severed Parcel which does not pay any Monthly Ground Rent.

The Severed Parcel Ground Leases required Ground Lease Tenants, at their sole cost and expense, to construct the Long Island Railroad Roof (“LIRR Roof”) over the Long Island Railroad tracks in the Hudson Rail Yards, which LIRR Roof will serve as the foundation for substantial portions of the buildings and other improvements being constructed pursuant to each Severed Parcel Ground Lease. Each Ground Lease tenant has the option to purchase fee title to the Ground Leased Property at any time following completion of construction of the building on the Ground Leased Property.

The MTA has classified the ERY and WRY Ground Leases as operating leases. If at the inception of the ground leases, the leases meet one or more of the following four criteria, the lease should be classified as a capital lease. Otherwise, it should be classified as an operating lease. The ERY and WRY Ground Leases did not meet one or more of the following criteria:

- The lease transfers ownership of the property to the lessee by the end of the lease term.
- The lease contains a bargain purchase option.
- The lease term is equal to 75 percent or more of the estimated economic life of the leased property.
- The present value at the beginning of the lease term of the minimum lease payments, equals or exceeds 90 percent of the excess of the fair value of the leased property to the lessor at the inception of the lease over any related investment tax credit retained by and expected to be realized by the lessor.

Minimum rent receipts for ERY and WRY Ground Leases are as follows as of December 31, 2019:

| Year | ERY | WRY | Total |
|--------------|--------------|----------------|----------------|
| 2020 | 19 | 16 | 35 |
| 2021 | 19 | 32 | 51 |
| 2022 | 19 | 33 | 52 |
| 2023 | 19 | 33 | 52 |
| 2024 | 19 | 33 | 52 |
| Thereafter | 849 | 1,492 | 2,341 |
| Total | \$944 | \$1,639 | \$2,583 |

Other Lease Transactions — On July 29, 1998 the MTA, (solely on behalf of MTA Long Island Rail Road and MTA Metro-North Railroad, MTA New York City Transit, and MTA Bridges and Tunnels) entered into a lease and related agreements whereby each agency, as sublessee, will rent, an office building at Two Broadway in lower Manhattan. The triple-net-lease has an initial stated term of approximately 50 years, with the right to extend the lease for two successive 15-year periods at a rental of at least 95% of fair market rent. Remaining payments under the lease approximate \$1.1 billion. Under the subleases, the lease is apportioned as follows: MTA New York City Transit, 68.7%, MTA, 21%; and MTA Bridges and Tunnels, 10.3%. However, the involved agencies have agreed to sub-lease space from one another as necessary to satisfy actual occupancy needs. The agencies will be responsible for obligations under the lease based on such actual occupancy percentages. Actual occupancy percentages at December 31, 2019, for the MTA New York City Transit, MTA Bridges and Tunnels and MTA (including MTA Bus, MTA Construction and Development and MTA Business Service Center) were 52.8%, 7.5% and 39.7%, respectively. MTAs’ sublease is for a year-to-year term, automatically extended, except upon the giving of a non-extension notice by MTA. The lease is comprised of both operating and capital elements, with the portion of the lease attributable to the land recorded as an operating lease, and the portion of the lease attributable to the building recorded as a capital lease. The total annual rental payments over the initial lease term are \$1,602 with rent being abated from the commencement date

through June 30, 1999. The office building at 2 Broadway, is principally occupied by MTA New York City Transit, MTA Bridges and Tunnels, MTA Construction and Development, and MTAHQ.

MTA reflected a capital lease obligation, as of December 31, 2019 and 2018, of \$237 and \$234, respectively. The MTA made rent payments of \$28 and \$25 for the years ended December 31, 2019 and 2018, respectively. MTA pays the lease payments on behalf of MTA New York City Transit and MTA Bridges and Tunnels and subsequently makes monthly chargebacks in the form of rental payments. During 2019, the total of the rental payments charged to MTA New York City Transit and MTA Bridges and Tunnels was \$5.01 and \$2.24 less, respectively, than the lease payment made by MTA on behalf of MTA New York City Transit and MTA Bridges and Tunnels.

The adjusted capital lease for the aforementioned building is being amortized over the remaining life of the lease. The cost of the building and related accumulated amortization at December 31, 2019 and 2018, is as follows (in millions):

| | December 31, 2019 | December 31, 2018 |
|--------------------------------|----------------------|----------------------|
| Capital lease - building | \$196 | \$196 |
| Less accumulated amortization | (95) | (92) |
| Capital lease - building - net | \$101 | \$104 |

On April 8, 1994, the MTA amended its lease for the Harlem/Hudson line properties, including Grand Central Terminal. This amendment initially extends the lease term, previously expiring in 2031, an additional 110 years and, pursuant to several other provisions, an additional 133 years. In addition, the amendment grants the MTA an option to purchase the leased property after the 25th anniversary of the amended lease, subject to the owner's right to postpone such purchase option exercise date for up to an additional 15 years if the owner has not yet closed the sale, transfer or conveyance of an aggregate amount of 1,000,000 square feet or more of development rights appurtenant to Grand Central Terminal and the associated zoning lots. The amended lease comprises both operating (for the lease of land) and capital (for the lease of buildings and track structure) elements.

In August 1988, the MTA entered into a 99-year lease agreement with Amtrak for Pennsylvania Station. This agreement, with an option to renew, is for rights to the lower concourse level and certain platforms.

The \$45 paid to Amtrak by the MTA under this agreement is included in other assets. This amount is being amortized over 30 years.

Total rent expense under operating leases approximated \$72.9 and \$67.4 for the years ended December 31, 2019 and 2018, respectively.

At December 31, 2019, the future minimum lease payments under non-cancelable leases are as follows (in millions):

| Years | Operating | Capital |
|---|-----------|---------|
| 2020 | \$ 76 | \$ 33 |
| 2021 | 77 | 24 |
| 2022 | 84 | 75 |
| 2023 | 84 | 19 |
| 2024 | 85 | 21 |
| 2025–2029 | 435 | 112 |
| 2030–2034 | 464 | 562 |
| 2035–2039 | 283 | 162 |
| 2040–2044 | 279 | 178 |
| 2045–2049 | 206 | 136 |
| Thereafter | 260 | 200 |
| Future minimum lease payments | \$ 2,333 | 1,522 |
| Amount representing interest | | (1,070) |
| Total present value of capital lease obligations | | 452 |
| Less current present value of capital lease obligations | | 14 |
| Noncurrent present value of capital lease obligations | | \$ 438 |

Capital Leases Schedule

For the Year Ended December 31, 2019
(in millions)

| Description | December 31, 2018 | Increase | Decrease | December 31, 2019 |
|--|----------------------|--------------|-------------|----------------------|
| Sumitomo | \$ 15 | \$ - | \$ - | \$ 15 |
| Met Life | 6 | - | - | 6 |
| Met Life Equity | 19 | - | - | 19 |
| Bank of New York | 22 | - | - | 22 |
| Bank of America | 39 | 3 | - | 42 |
| Bank of America Equity | 16 | - | - | 16 |
| Sumitomo | 27 | 1 | 4 | 24 |
| Met Life Equity | 55 | 3 | - | 58 |
| Grand Central Terminal & Harlem Hudson Railroad Lines | 14 | - | 1 | 13 |
| 2 Broadway Lease Improvement | 177 | 2 | - | 179 |
| 2 Broadway | 57 | 1 | - | 58 |
| Total MTA Capital Lease | \$ 447 | \$ 10 | \$ 5 | \$ 452 |
| Current Portion Obligations under Capital Lease | 4 | | | 14 |
| Long Term Portion Obligations under Capital Lease | <u>\$ 443</u> | | | <u>\$ 438</u> |

Capital Leases Schedule

For the Year Ended December 31, 2018
(in millions)

| Description | December 31, 2017 | Increase | Decrease | December 31, 2018 |
|--|----------------------|--------------|-------------|----------------------|
| Sumitomo | \$ 15 | \$ - | \$ - | \$ 15 |
| Met Life | 6 | - | - | 6 |
| Met Life Equity | 19 | - | - | 19 |
| Bank of New York | 22 | - | - | 22 |
| Bank of America | 37 | 2 | - | 39 |
| Bank of America Equity | 16 | - | - | 16 |
| Sumitomo | 31 | 1 | 5 | 27 |
| Met Life Equity | 52 | 3 | - | 55 |
| Grand Central Terminal & Harlem Hudson Railroad Lines | 14 | - | - | 14 |
| 2 Broadway Lease Improvement | 173 | 4 | - | 177 |
| 2 Broadway | 55 | 2 | - | 57 |
| Total MTA Capital Lease | \$ 440 | \$ 12 | \$ 5 | \$ 447 |
| Current Portion Obligations under Capital Lease | 4 | | | 4 |
| Long Term Portion Obligations under Capital Lease | <u>\$ 436</u> | | | <u>\$ 443</u> |

9. FUTURE OPTION

In 2010, MTA and MTA Long Island Railroad entered into an Air Space Parcel Purchase and Sale Agreement (“Agreement”) with Atlantic Yards Development Company, LLC (“AADC”) pursuant to which AADC has obtained an exclusive right to purchase fee title to a parcel (subdivided into six sub-parcels) of air space above the MTA Long Island Railroad Vanderbilt Yard in Brooklyn, New York. Initial annual payments of \$2 (covering all six sub-parcels) commenced on June 1, 2012 and were paid on the following three anniversaries of that date. Starting on June 1, 2016, and continuing on each anniversary thereof through and including June 1, 2031, an annual option payment in the amount of \$11 is due. The Agreement provides that all such payments are (i) fully earned by MTA as of the date due in consideration of the continuing grant to AADC of the rights to purchase the air space sub-parcels, (ii) are non-refundable except under certain limited circumstances and (iii) shall be deemed to be payments on account of successive annual options granted to AADC.

After AADC and its affiliates have completed the new yard and transit improvements to be constructed by them at and in the vicinity of the site, AADC has the right from time to time until June 1, 2031, to close on the purchase of any or all of the six air rights sub-parcels. The purchase price for the six sub-parcels is an amount, when discounted at 6.5% per annum from the date of each applicable payment that equals a present value of \$80 as of January 1, 2010. The purchase price of any particular air space sub-paragraph is equal to a net present value as of January 1, 2010 (calculated based on each applicable payment) of the product of that sub-paragraph's percentage of the total gross square footage of permissible development on all six air space sub-parcels multiplied by \$80.

10. ESTIMATED LIABILITY ARISING FROM INJURIES TO PERSONS

A summary of activity in estimated liability as computed by actuaries arising from injuries to persons, including employees, and damage to third-party property for the years ended December 31, 2019 and 2018 is presented below (in millions):

| | December 31, 2019 | December 31, 2018 |
|--|----------------------|----------------------|
| Balance - beginning of year | \$ 4,254 | \$ 3,851 |
| Activity during the year: | | |
| Current year claims and changes in estimates | 884 | 870 |
| Claims paid | (551) | (467) |
| Balance - end of year | 4,587 | 4,254 |
| Less current portion | (501) | (454) |
| Long-term liability | \$ 4,086 | \$ 3,800 |

See Note 2 for additional information on MTA's liability and property disclosures.

11. COMMITMENTS AND CONTINGENCIES

The MTA Group monitors its properties for the presence of pollutants and/or hazardous wastes and evaluates its exposure with respect to such matters. When the expense, if any, to clean up pollutants and/or hazardous wastes is estimable it is accrued by the MTA (see Note 12).

Management has reviewed with counsel all actions and proceedings pending against or involving the MTA Group, including personal injury claims. Although the ultimate outcome of such actions and proceedings cannot be predicted with certainty at this time, management believes that losses, if any, in excess of amounts accrued resulting from those actions will not be material to the financial position, results of operations, or cash flows of the MTA.

Under the terms of federal and state grants, periodic audits are required and certain costs may be questioned as not being appropriate expenditures under the terms of the grants. Such audits could lead to reimbursements to the grantor agencies. While there have been some questioned costs in recent years, ultimate repayments required of the MTA have been infrequent.

Financial Guarantee — Moynihan Station Development Project - On May 22, 2017, the MTA Board approved entering into various agreements, including a Joint Services Agreement ("JSA"), necessary to effectuate Phase 2 of the Moynihan Station Development Project (the "Project"), which will entail the redevelopment of the James A. Farley Post Office Building to include a new world-class train hall to be shared by National Railroad Passenger Corporation ("Amtrak"), the Long Island Rail Road and Metro-North Commuter Railroad (the "Train Hall"), as well as retail and commercial space (Retail and Commercial Space).

On July 21, 2017, New York State Urban Development Corporation d/b/a Empire State Development ("ESD") executed a TIFIA Loan Agreement with the United States Department of Transportation (the "TIFIA Lender") in an amount of up to \$526 (the "TIFIA Loan"), with a final maturity date of the earlier of (1) October 30, 2055 and (2) the last semi-annual payment date occurring no later than the date that is thirty-five (35) years following the date on which the Train Hall is substantially completed. The proceeds of the TIFIA Loan are being used to pay for costs of the construction of the Train Hall. The TIFIA Loan is secured by a mortgage on the Train Hall property. The principal and interest on the TIFIA Loan is payable from a pledged revenue stream that primarily consists of PILOT payments to be paid by certain tenants in the Retail and Commercial Space. The amount of the PILOT payments is fixed through September, 2030 and is thereafter calculated based upon the assessed value of the properties as determined by the City. The TIFIA Loan is further supported by a TIFIA Debt Service Reserve Account, which is funded in an amount equal to the sum of the highest aggregate TIFIA debt service amounts that will become due and payable on any two consecutive semi-annual payment dates in a five-year prospective period.

Simultaneously with the execution of the TIFIA Loan Agreement, the JSA was entered into by and among the MTA, the TIFIA Lender, ESD, and Manufacturers and Traders Trust Company (as Pilot trustee). Under the JSA, MTA is obligated to satisfy semi-annual deficiencies in the TIFIA Debt Service Reserve Account. MTA's obligations under the JSA are secured by the same moneys available to MTA for the payment of the operating and maintenance expenses of the operating agencies.

MTA's obligation under the JSA remains in effect until the earliest to occur of (a) the MTA JSA Release Date (as defined in the JSA and generally summarized below), (b) the date on which the TIFIA Loan has been paid in full and (c) foreclosure by the TIFIA Lender under the Mortgage (as defined in the TIFIA Loan Agreement).

The obligations of the MTA under the JSA will be terminated and released on the date (the "MTA JSA Release Date") on which each of the following conditions have been satisfied: (a) substantial completion of (1) the Train Hall Project and initiation by LIRR and Amtrak of transportation operations therein, and (2) the Retail and Commercial Space; (b) all material construction claims have been discharged or settled; (c) the PILOT payments have been calculated based upon assessed value for at least three years (i.e., 2033); (d) certain designated defaults or events of default under the TIFIA Loan Agreement have not occurred and are continuing; and (e) either of the following release tests shall have been satisfied:

- Release Test A: (a) certain debt service coverage ratios have equaled or exceeded levels set forth in the JSA, taking into consideration assessment appeals; (b) occupancy levels have equaled or exceeded levels set forth in the JSA; and (c) the TIFIA Loan is rated no lower than "BBB-" or "Baa3" by one rating agency, all as more fully described in the JSA; or
- Release Test B: the TIFIA Loan is rated no lower than "A-" or "A3" by two rating agencies, all as more fully described in the JSA.

On the date the JSA was executed and delivered, MTA deposited \$20 into an account, which MTA invests, to be used in accordance with the JSA to reimburse MTA in the event it is obligated under the JSA to make semi-annual deficiency payments to the TIFIA Debt Service Reserve Account.

On June 12, 2017, the MTA entered into a Memorandum of Understanding with ESD and the New York State Division of the Budget (the "Division") whereby the Division agreed that in the event in any given year during the term of the JSA (i) the MTA is required to make a semi-annual deficiency payment to the TIFIA Debt Service Reserve Account, and (ii) the Division has determined that the MTA has incurred an expense that would otherwise have been incurred by the State of New York (the "State Expense"), the Division will consider entering into a cost recovery agreement with the MTA pursuant to subdivision 4 of Section 2975 of the Public Authorities Law (the "PAL") for such year that will provide that in lieu of paying the full assessment pursuant to subdivisions 2 and 3 of Section 2975 of the PAL in any such year, any such assessment shall be reduced by the State Expense.

12. POLLUTION REMEDIATION COST

In accordance with GASB Statement No. 49, *Accounting and Financial Reporting for Pollution Remediation Obligations*, an operating expense provision and corresponding liability measured at its current value using the expected cash flow method is recognized when an obligatory event occurs. Pollution remediation obligations are estimates and subject to changes resulting from price increase or reductions, technology, or changes in applicable laws or regulations. The MTA does not expect any recoveries of cost that would have a material effect on the recorded obligations.

The MTA recognized pollution remediation expenses of \$42 and \$106 for the years ended December 31, 2019 and 2018, respectively. A summary of the activity in pollution remediation liability at December 31, 2019 and 2018 were as follows:

| | December 31, 2019 | December 31, 2018 |
|--|----------------------|----------------------|
| Balance at beginning of year | \$ 139 | \$ 79 |
| Current year expenses/changes in estimates | 42 | 106 |
| Current year payments | (30) | (46) |
| Balance at end of year | 151 | 139 |
| Less current portion | 31 | 31 |
| Long-term liability | \$ 120 | \$ 108 |

The MTA's pollution remediation liability primarily consists of future remediation activities associated with asbestos removal, lead abatement, ground water contamination, arsenic contamination and soil remediation.

13. CURRENT AND NON-CURRENT LIABILITIES

Changes in the activity of current and non-current liabilities for the years ended December 31, 2019 and 2018 are presented below:

| | Balance December 31, 2017 | | | Balance December 31, 2018 | | | Balance December 31, 2019 | | |
|---|---------------------------------|---------------|-----------------|---------------------------------|---------------|-----------------|---------------------------------|------------|--|
| | Additions | Reductions | Additions | Reductions | Additions | Reductions | Additions | Reductions | |
| Current liabilities: | | | | | | | | | |
| Accounts payable | \$ 607 | \$ - | \$ (137) | \$ 470 | \$ - | \$ (27) | \$ 443 | | |
| Interest | 204 | 6 | - | 210 | 77 | - | 287 | | |
| Salaries, wages and payroll taxes | 307 | 20 | - | 327 | 23 | - | 350 | | |
| Vacation and sick pay benefits | 988 | 32 | - | 1,020 | 20 | - | 1,040 | | |
| Current portion — retirement and death benefits | 14 | 2 | - | 16 | - | (1) | 15 | | |
| Capital accrual | 412 | 325 | - | 737 | 48 | - | 785 | | |
| Unearned premiums | 255 | 9 | - | 264 | - | (59) | 205 | | |
| Other accrued expenses | 606 | 87 | - | 693 | 81 | - | 774 | | |
| Unearned revenues | 594 | 210 | - | 804 | - | (81) | 723 | | |
| Total current liabilities | \$ 3,987 | \$ 691 | \$ (137) | \$ 4,541 | \$ 249 | \$ (168) | \$ 4,622 | | |
| Non-current liabilities: | | | | | | | | | |
| Contract retainage payable | \$ 376 | \$ 30 | \$ - | \$ 406 | \$ 29 | \$ - | \$ 435 | | |
| Other long-term liabilities | 347 | 29 | - | 376 | - | (4) | 372 | | |
| Total non-current liabilities | \$ 723 | \$ 59 | \$ - | \$ 782 | \$ 29 | \$ (4) | \$ 807 | | |

14. FUEL HEDGE

MTA partially hedges its fuel cost exposure using financial hedges. All MTA fuel hedges provide for up to 24 monthly settlements. The table below summarizes the active ultra-low sulfur diesel (“ULSD”) hedges in whole dollars:

| | | | | | | | | |
|----------------------------|---------------|---------------|---------------|----------------------|---------------|---------------|---------------|---------------|
| Counterparty | Goldman Sachs | Goldman Sachs | Goldman Sachs | Macquarie Energy LLC | Goldman Sachs | Goldman Sachs | BOA_Merrill | Goldman Sachs |
| Trade Date | 1/31/2018 | 2/28/2018 | 3/28/2018 | 4/24/2018 | 5/29/2018 | 6/26/2018 | 7/31/2018 | 8/29/2018 |
| Effective Date | 1/1/2019 | 2/1/2019 | 3/1/2019 | 4/1/2019 | 5/1/2019 | 6/1/2019 | 7/1/2019 | 8/1/2019 |
| Termination Date | 12/31/2019 | 1/31/2020 | 2/29/2020 | 3/31/2020 | 4/30/2020 | 5/31/2020 | 6/30/2020 | 7/31/2020 |
| Price/Gal | \$1.9570 | \$1.8815 | \$1.9805 | \$2.0795 | \$2.1590 | \$2.1755 | \$2.1730 | \$2.2145 |
| Original Notional Quantity | 2,870,565 | 2,786,237 | 2,853,500 | 2,799,258 | 2,841,090 | 2,841,069 | 2,820,856 | 2,831,924 |
| Counterparty | Goldman Sachs | Cargill | BOA_Merrill | BOA_Merrill | Cargill | Cargill | Goldman Sachs | Goldman Sachs |
| Trade Date | 9/25/2018 | 10/30/2018 | 11/27/2018 | 1/3/2019 | 1/29/2019 | 2/28/2019 | 3/28/2019 | 4/30/2019 |
| Effective Date | 9/1/2019 | 10/1/2019 | 11/1/2019 | 12/1/2019 | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 |
| Termination Date | 8/31/2020 | 9/30/2020 | 10/31/2020 | 11/30/2020 | 12/31/2020 | 1/31/2021 | 2/28/2021 | 3/31/2021 |
| Price/Gal | \$2.2885 | \$2.2455 | \$1.9213 | \$1.7885 | \$1.9390 | \$2.0518 | \$2.0045 | \$2.0650 |
| Original Notional Quantity | 2,831,922 | 2,831,934 | 3,023,197 | 2,856,019 | 2,856,014 | 2,793,123 | 2,849,714 | 2,874,889 |
| Counterparty | Goldman Sachs | Goldman Sachs | Goldman Sachs | Macquarie Energy LLC | BOA_Merrill | Goldman Sachs | Goldman Sachs | BOA_Merrill |
| Trade Date | 5/28/2019 | 6/25/2019 | 7/30/2019 | 8/27/2019 | 9/30/2019 | 10/29/2019 | 11/26/2019 | 12/30/2019 |
| Effective Date | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 | 10/1/2020 | 11/1/2020 | 12/1/2020 |
| Termination Date | 4/30/2021 | 5/31/2021 | 6/30/2021 | 7/31/2021 | 8/31/2021 | 9/30/2021 | 10/31/2021 | 11/30/2021 |
| Price/Gal | \$1.9675 | \$1.9200 | \$1.8875 | \$1.7790 | \$1.8075 | \$1.8420 | \$1.8600 | \$1.9040 |
| Original Notional Quantity | 2,851,286 | 2,851,258 | 2,788,533 | 2,842,790 | 2,844,946 | 2,839,784 | 2,839,778 | 2,839,796 |

The monthly settlements are based on the daily prices of the respective commodities whereby MTA will either receive a payment, or make a payment to the various counterparties, depending on the average monthly price of the commodities in relation to the contract prices. At a contract’s termination date, the MTA will take delivery of the fuel. As of December 31, 2019, the total outstanding notional value of the ULSD contracts was 52.5 million gallons with a negative fair market value of \$1.3. The valuation of each trade was based on discounting future net cash flows to a single current amount (the income approach) using observable commodity futures prices (Level 2 inputs).

15. CONDENSED COMPONENT UNIT INFORMATION

The following tables present condensed financial information for MTA's component units (in millions).

| | Metro - North MTA | Long Island Railroad | New York City Transit Authority | Triborough Bridge and Tunnel Authority | Eliminations | Consolidated Total | |
|---|-------------------------|----------------------------|---------------------------------------|---|-------------------|-----------------------|-------------------|
| December 31, 2019 | | | | | | | |
| Current assets | \$ 6,050 | \$ 225 | \$ 228 | \$ 651 | \$ 702 | \$ (53) | \$ 7,803 |
| Capital assets | 12,067 | 5,477 | 7,881 | 45,323 | 6,661 | - | 77,409 |
| Other Assets | 12,948 | 4 | - | 1 | 4 | (11,904) | 1,053 |
| Intercompany receivables | 724 | 90 | 167 | 1,372 | 739 | (3,092) | - |
| Deferred outflows of resources | 1,643 | 426 | 559 | 2,323 | 527 | (178) | 5,300 |
| Total assets and deferred outflows of resources | \$ 33,432 | \$ 6,222 | \$ 8,835 | \$ 49,670 | \$ 8,633 | \$ (15,227) | \$ 91,565 |
| Current liabilities | \$ 6,474 | \$ 306 | \$ 258 | \$ 1,974 | \$ 823 | \$ (77) | \$ 9,758 |
| Non-current liabilities | 36,748 | 2,171 | 3,771 | 21,867 | 10,318 | (148) | 74,727 |
| Intercompany payables | 2,306 | 140 | 125 | - | 499 | (3,070) | - |
| Deferred inflows of resources | 256 | 145 | 264 | 1,855 | 109 | - | 2,629 |
| Total liabilities and deferred inflows of resources | \$ 45,784 | \$ 2,762 | \$ 4,418 | \$ 25,696 | \$ 11,749 | \$ (3,295) | \$ 87,114 |
| Net investment in capital assets | \$ (29,362) | \$ 5,464 | \$ 7,882 | \$ 45,144 | \$ 2,097 | \$ 46 | \$ 31,271 |
| Restricted | 1,668 | - | - | - | 1,026 | (857) | 1,837 |
| Unrestricted | 15,342 | (2,004) | (3,465) | (21,170) | (6,239) | (11,121) | (28,657) |
| Total net position | \$ (12,352) | \$ 3,460 | \$ 4,417 | \$ 23,974 | \$ (3,116) | \$ (11,932) | \$ 4,451 |
| For the year ended December 31, 2019 | | | | | | | |
| Fare revenue | \$ 231 | \$ 757 | \$ 769 | \$ 4,594 | \$ - | \$ - | \$ 6,351 |
| Vehicle toll revenue | - | - | - | - | 2,071 | - | 2,071 |
| Rents, freight and other revenue | 76 | 56 | 40 | 467 | 24 | (42) | 621 |
| Total operating revenue | 307 | 813 | 809 | 5,061 | 2,095 | (42) | 9,043 |
| Total labor expenses | 1,216 | 1,014 | 1,222 | 7,309 | 287 | - | 11,048 |
| Total non-labor expenses | 493 | 399 | 397 | 2,130 | 247 | (41) | 3,625 |
| Depreciation | 88 | 242 | 379 | 1,994 | 167 | - | 2,870 |
| Total operating expenses | 1,797 | 1,655 | 1,998 | 11,433 | 701 | (41) | 17,543 |
| Operating (deficit) surplus | (1,490) | (842) | (1,189) | (6,372) | 1,394 | (1) | (8,500) |
| Subsidies and grants | 1,281 | 136 | - | 654 | 8 | (422) | 1,657 |
| Tax revenue | 5,090 | - | - | 3,270 | 159 | (2,719) | 5,800 |
| Interagency subsidy | 779 | 406 | 2,061 | 334 | - | (3,580) | - |
| Interest expense | (1,239) | - | - | (4) | (318) | 4 | (1,557) |
| Other | (2,310) | - | - | (7) | 9 | 2,108 | (200) |
| Total non-operating revenues (expenses) | 3,601 | 542 | 2,061 | 4,247 | (142) | (4,609) | 5,700 |
| Loss before appropriations | 2,111 | (300) | 872 | (2,125) | 1,252 | (4,610) | (2,800) |
| Appropriations, grants and other receipts externally restricted for capital projects | (3,196) | 566 | - | 3,174 | (767) | 3,521 | 3,298 |
| Change in net position | (1,085) | 266 | 872 | 1,049 | 485 | (1,089) | 498 |
| Net position, beginning of year | (11,267) | 3,194 | 3,545 | 22,925 | (3,601) | (10,843) | 3,953 |
| Restatement of beginning net position | | | | | | | - |
| Net position, end of year | \$ (12,352) | \$ 3,460 | \$ 4,417 | \$ 23,974 | \$ (3,116) | \$ (11,932) | \$ 4,451 |
| For the year ended December 31, 2019 | | | | | | | |
| Net cash (used in) / provided by operating activities | \$ (1,137) | \$ (457) | \$ (626) | \$ (3,527) | \$ 1,601 | \$ (203) | \$ (4,349) |
| Net cash provided by / (used in) non-capital financing activities | 6,909 | 536 | 653 | 4,274 | (791) | (4,136) | 7,445 |
| Net cash (used in) / provided by capital and related financing activities | (4,594) | (68) | (29) | (958) | (546) | 4,135 | (2,060) |
| Net cash provided by / (used in) investing activities | (1,296) | - | - | 194 | (125) | 204 | (1,023) |
| Cash at beginning of year | 430 | 26 | 9 | 66 | 10 | - | 541 |
| Cash at end of year | \$ 312 | \$ 37 | \$ 7 | \$ 49 | \$ 149 | \$ - | \$ 554 |

| December 31, 2018 | MTA | Metro- North Railroad | Long Island Railroad | New York City Transit Authority | Triborough Bridge and Tunnel Authority | Eliminations | Consolidated Total |
|---|--------------------|-----------------------------|----------------------------|---------------------------------------|---|--------------------|-----------------------|
| Current assets | \$ 5,337 | \$ 206 | \$ 244 | \$ 633 | \$ 461 | \$ (116) | \$ 6,765 |
| Capital assets | 11,032 | 5,092 | 6,826 | 43,195 | 6,366 | - | 72,511 |
| Other Assets | 11,825 | 5 | - | - | 4 | (10,772) | 1,062 |
| Intercompany receivables | 696 | 95 | 153 | 1,627 | 730 | (3,301) | - |
| Deferred outflows of resources | 1,528 | 315 | 435 | 1,738 | 487 | (143) | 4,360 |
| Total assets and deferred outflows of resources | \$ 30,418 | \$ 5,713 | \$ 7,658 | \$ 47,193 | \$ 8,048 | \$ (14,332) | \$ 84,698 |
| Current liabilities | \$ 4,374 | \$ 316 | \$ 272 | \$ 1,900 | \$ 836 | \$ (89) | \$ 7,609 |
| Non-current liabilities | 34,509 | 2,070 | 3,705 | 21,609 | 10,249 | (120) | 72,022 |
| Intercompany payables | 2,655 | 65 | 48 | - | 512 | (3,280) | - |
| Deferred inflows of resources | 147 | 68 | 88 | 759 | 52 | - | 1,114 |
| Total liabilities and deferred inflows of resources | \$ 41,685 | \$ 2,519 | \$ 4,113 | \$ 24,268 | \$ 11,649 | \$ (3,489) | \$ 80,745 |
| Net investment in capital assets | \$ (26,670) | \$ 5,079 | \$ 6,826 | \$ 43,018 | \$ 2,026 | \$ (279) | \$ 30,000 |
| Restricted | 1,716 | - | - | - | 902 | (728) | 1,890 |
| Unrestricted | 13,687 | (1,885) | (3,281) | (20,093) | (6,529) | (9,836) | (27,937) |
| Total net position | \$ (11,267) | \$ 3,194 | \$ 3,545 | \$ 22,925 | \$ (3,601) | \$ (10,843) | \$ 3,953 |
| For the year ended December 31, 2018 | | | | | | | |
| Fare revenue | \$ 228 | \$ 740 | \$ 740 | \$ 4,447 | \$ - | \$ - | \$ 6,155 |
| Vehicle toll revenue | - | - | - | - | 1,976 | - | 1,976 |
| Rents, freight and other revenue | 78 | 52 | 49 | 446 | 24 | (44) | 605 |
| Total operating revenue | 306 | 792 | 789 | 4,893 | 2,000 | (44) | 8,736 |
| Total labor expenses | 1,119 | 1,044 | 1,205 | 6,853 | 275 | - | 10,496 |
| Total non-labor expenses | 525 | 409 | 416 | 2,118 | 242 | (44) | 3,666 |
| Depreciation | 105 | 230 | 362 | 1,833 | 149 | - | 2,679 |
| Total operating expenses | 1,749 | 1,683 | 1,983 | 10,804 | 666 | (44) | 16,841 |
| Operating (deficit) surplus | (1,443) | (891) | (1,194) | (5,911) | 1,334 | - | (8,105) |
| Subsidies and grants | 1,359 | 135 | - | 825 | 9 | (793) | 1,535 |
| Tax revenue | 4,760 | - | - | 3,252 | - | (2,580) | 5,432 |
| Interagency subsidy | 702 | 422 | 1,906 | 285 | - | (3,315) | - |
| Interest expense | (1,169) | - | - | (17) | (293) | 19 | (1,460) |
| Other | (2,449) | (1) | - | (115) | 4 | 2,707 | 146 |
| Total non-operating revenues (expenses) | 3,203 | 556 | 1,906 | 4,230 | (280) | (3,962) | 5,653 |
| Loss before appropriations | 1,760 | (335) | 712 | (1,681) | 1,054 | (3,962) | (2,452) |
| Appropriations, grants and other receipts externally restricted for capital projects | (3,253) | 441 | - | 2,652 | (600) | 3,062 | 2,302 |
| Change in net position | (1,493) | 106 | 712 | 971 | 454 | (900) | (150) |
| Net position, beginning of the year | (10,023) | 3,838 | 4,246 | 21,148 | (4,042) | (9,943) | 5,224 |
| Restatement of beginning net position | 249 | (750) | (1,413) | 806 | (13) | - | (1,121) |
| Net position, end of year | \$ (11,267) | \$ 3,194 | \$ 3,545 | \$ 22,925 | \$ (3,601) | \$ (10,843) | \$ 3,953 |
| For the year ended December 31, 2018 | | | | | | | |
| Net cash (used in) / provided by operating activities | \$ (1,305) | \$ (457) | \$ (834) | \$ (3,359) | \$ 1,517 | \$ 154 | \$ (4,284) |
| Net cash provided by / (used in) non-capital financing activities | 6,427 | 542 | 825 | 4,224 | (693) | (4,275) | 7,050 |
| Net cash (used in) / provided by capital and related financing activities | (6,095) | (74) | 13 | (811) | (600) | 4,233 | (3,334) |
| Net cash provided by / (used in) investing activities | 1,204 | - | - | (44) | (222) | (112) | 826 |
| Cash at beginning of year | 199 | 15 | 5 | 56 | 8 | - | 283 |
| Cash at end of year | \$ 430 | \$ 26 | \$ 9 | \$ 66 | \$ 10 | \$ - | \$ 541 |

16. SUBSEQUENT EVENTS

On January 8, 2020, MTA issued \$1.5 billion MTA Transportation Revenue Bond Anticipation Notes, Series 2020A (“the Series 2020A Notes”), with \$800 Subseries 2020A-1 maturing February 1, 2023 and \$700 Subseries 2020A-2S maturing February 1, 2022. The Series 2020A Notes were issued to (i) finance existing approved transit and commuter projects, (ii) pay capitalized interest on the Series 2020A Notes accruing through maturity, and (iii) pay certain financing, legal, and miscellaneous expenses.

On January 16, 2020, MTA issued \$925 MTA Transportation Revenue Green Bonds, Series 2020A (“the Series 2020A Bonds”), with \$687 Subseries 2020A-1, maturing each November 15 from 2040 through 2054, and \$238 Subseries 2020A-2 maturing on May 15, 2024. The Series 2020A Bonds were issued to (i) retire the outstanding MTA Transportation Revenue Bond Anticipation Notes, Series 2019A, (ii) refund the MTA Transportation Revenue Bonds, Subseries 2016C-2b, and (iii) pay certain financing, legal, and miscellaneous expenses.

On January 24, 2020, MTA effectuated a mandatory tender and remarketed \$102 MTA Triborough Bridge and Tunnel Authority General Revenue Variable Rate Bonds, Series 2005A, to bear interest in the Weekly Mode as described in the Remarketing Circular.

On January 30, 2020, MTA executed a 2,839,808 gallon ultra-low sulfur diesel fuel hedge with Merrill Lynch at an all-in price of \$1.7100 (whole dollars) per gallon. The hedge covers the period from January 2021 through December 2021.

On February 3, 2020, MTA effectuated a mandatory tender and remarketed \$75 Transportation Revenue Variable Rate Refunding Bonds, Subseries 2012G-3 (Libor Floating Rate Tender Notes), which will bear interest in the Term Rate Mode at a variable rate equal to the Adjusted SIFMA Rate, as described in the Remarketing circular.

On February 25, 2020, MTA executed a 2,841,331 gallon ultra-low sulfur diesel fuel hedge with Goldman, Sachs & Co./J. Aron at an all-in price of \$1.6750 (whole dollars) per gallon. The hedge covers the period from February 2021 through January 2022.

On March 20, 2020, MTA drew down the remaining \$792 of its \$800 Revolving Credit Agreement with J.P.Morgan Chase Bank, National Association and the full \$200 of its Revolving Credit Agreement with Bank of America, National Association.

On March 24, 2020, MTA executed a 2,819,772 gallon ultra-low sulfur diesel fuel hedge with Cargill at an all-in price of \$1.3473 (whole dollars) per gallon. The hedge covers the period from March 2021 through February 2022.

On March 24, 2020, S&P Global Ratings lowered its issuer rating to ‘A-’ from ‘A’ on the MTA’s Transportation Revenue Bonds (“TRBs”) and assigned its ‘A-’ long-term rating to the MTA’s proposed \$800 series 2020C transportation revenue bonds. The outlook is negative.

On March 24, 2020, S&P downgraded MTA’s Enhanced Transportation Revenue Bond Subseries 2002G-1g, 2005E-2, 2012A-2, 2012G-2, 2015E-1, and 2015E-3 to ‘AA’ as result of its downgrade of MTA’s Transportation Revenue Bonds on the same day.

On March 24, 2020, S&P Global Ratings downgraded MTA’s Transportation Revenue Bonds from ‘A’ to ‘A-’ with a negative outlook, under its Mass Transit Enterprise Ratings criteria.

On April 2, 2020, Fitch Ratings downgraded MTA’s Transportation Revenue Bonds from ‘AA-’ to ‘A+’, and Transportation Revenue BANs from ‘F1+’ to ‘F1’, and put the TRB on a Negative Outlook.

On April 3, 2020 Fitch downgraded Enhanced Transportation Revenue Bond Subseries 2005E-1, 2005E-3, 2015E-4, 2005D-2, 2012G-1 to ‘AA’, as result of its downgrade of MTA’s Transportation Revenue Bonds on the prior day.

On April 9, 2020, Fitch Ratings downgraded Enhanced DTF Subseries 2002B-1 (CUSIP 59259N2Z5) to ‘AA’ from ‘AAA’ as result of its downgrade of the LOC provider MUFG Bank, Ltd. the prior day.

On April 16, 2020, Moody’s downgraded MTA’s Transportation Revenue Bonds from ‘A1’ to ‘A2’, and Transportation Revenue BANs from ‘MIG 1’ to ‘MIG 2’, and put the TRB on a Negative Outlook.

On April 20, 2020, MTA drew down \$244 of its \$967 RRIF Loan, bringing the total outstanding to \$663.

On April 30, 2020, MTA executed a 2,819,762 gallon ultra-low sulfur diesel fuel hedge with Macquarie Energy LLC at an all-in price of \$1.1800 (whole dollars) per gallon. The hedge covers the period from April 2021 through March 2022.

On May 4, 2020, S&P Global Ratings placed the following ratings on MTA’s debt with negative implications: (1) ‘AA/A-1+’ dual rating on the MTA’s series 2012G-2 and 2002G-1G variable-rate Transportation Revenue Bonds, with enhancement by letters of credit from Toronto Dominion Bank, and on the MTA’s series 2015E-1 variable-rate Transportation Revenue Bonds, with enhancement by a letter of credit from U.S. Bank N.A.; (2) ‘AA/A-1’ dual rating on the MTA’s series 2005E-2 and 2015E-3 variable-rate Transportation Revenue Bonds, with enhancement by letters of credit from Bank of America N.A., and on the MTA’s series 2012A-2 variable-rate Transportation Revenue Bonds, with enhancement by a letter of credit from

Bank of Montreal; (3) ‘AA/A-1’ dual rating on various other variable-rate Transportation Revenue Bond with enhancement by letters of credit from Barclays Bank PLC, PNC Bank, N.A., MUFG Bank Ltd., and Landesbank Hessen-Thüringen Girozentrale; (4) ‘A-’ long-term rating to the MTA’s \$250 million series 2015A-2 remarketed Transportation Revenue Bonds (mandatory tender bonds).

Assessment of Impacts from the COVID-19 Pandemic on MTA and MTA Bridges and Tunnels Finances and Operations

- ***Background Relating to the Global Coronavirus Pandemic.*** The novel coronavirus (“COVID-19”) outbreak is continuing to have an adverse and severe impact on MTA’s financial condition and operating results. The outbreak of COVID-19, a respiratory disease caused by a new strain of coronavirus was first detected in China and has since spread globally, including to the United States and to New York State. On March 12, 2020, the World Health Organization declared the COVID-19 outbreak to be a pandemic in the face of the global spread of the virus. The COVID-19 pandemic has dramatically altered the behavior of businesses and people in a manner that is having negative effects on global and local economies. In addition, stock markets in the U.S. and globally, have seen significant declines and volatility attributed to concerns over COVID-19, and capital markets remain disrupted. These adverse impacts have intensified and continue to evolve daily globally, nationally, and particularly within the State and MTA’s service area, which has become the most severely impacted region in the United States, with the most confirmed cases of infection and regrettably the most fatalities from COVID-19. On March 7, 2020 Governor Cuomo declared a Disaster Emergency in the State of New York and on March 13, 2020 President Trump declared a national state of emergency as a result of the COVID-19 pandemic. In addition, by order of Governor Cuomo (“New York State on PAUSE”), as of Sunday, March 22nd, all non-essential businesses Statewide were required to be closed, among other restrictive social distancing and related measures. These related measures, most recently, include by Governor’s Executive Order, that effective at 8 p.m. on Friday, April 17, 2020 any individual who is over age two and able to medically tolerate a face-covering shall be required to cover their nose and mouth with a mask or cloth face-covering when in a public place and unable to maintain, or when not maintaining, social distance. New York State on PAUSE restrictions remain in place at least through May 15, 2020. This intervention to fight the aggressive spread of the COVID-19 pandemic has further eroded already severely diminished public transportation and bridge and tunnel usage during the duration of the COVID-19 pandemic.
- ***Currently Adopted Federal Legislative and Administrative Actions.*** The Federal government has taken several actions which are expected to provide flexibility and substantial additional funding to MTA. The Federal Transit Administration (“FTA”) has given transit grantees, including MTA, the flexibility to apply certain existing grant program proceeds, previously only available for capital expenditures, to be applied for operating expenses or other purposes to address COVID-19 pandemic impacts.

In addition, Federal emergency legislation, the “Coronavirus Aid, Relief and Economic Security Act” or “CARES Act”, received final passage by Congress and was signed into law by the President on March 27, 2020. The CARES Act through FTA’s formula funding provisions is expected to provide approximately \$3.8 billion to MTA. Funding will be provided at a 100 percent Federal share, with no local match required, and will be available to support operating, capital and other expenses generally eligible under those programs and incurred beginning on January 20, 2020, to prevent, prepare for, and respond to the COVID-19 pandemic, including operating service for essential workers, such as medical personnel and first responders.

MTA is also eligible for FEMA payments in addition to the CARES Act funding. FEMA will cover expenses that are over and above normal costs that are related to COVID-19, such as sanitizing MTA facilities and safety at job sites to ensure COVID -19 regulations are being adhered to.

- ***Updated Assessment of 2020 Impacts of the COVID-19 Pandemic and Economic Study Analysis.*** On April 16, 2020, MTA Chairman and Chief Executive Officer Patrick J. Foye wrote to the New York State Congressional delegation, urging Congressional action to provide an additional \$3.9 billion in Federal grant assistance “to stem the immediate hemorrhaging in the MTA’s 2020 operating budget”. Such aid would be supplemental to the approximately \$3.8 billion contained in the CARES Act, and would have to be included in any upcoming new Congressional COVID-19 aid package, and is also exclusive of any capital infrastructure stimulus funding to be considered by Congress and the Administration.

The CARES Act funding amounts for MTA derived from a conservative estimate based on the information MTA management had at the time. A clearer picture of the impact of the crisis has emerged over the last few weeks, and now with the aid of a detailed economic study led by McKinsey & Company (the “McKinsey Report”), MTA management projects the full 2020 financial impact of the COVID-19 crisis to the MTA to be between \$7.0 and \$8.5 billion. After the receipt of the expected \$3.8 billion under the CARES Act, the net financial impact in 2020 is estimated to be between \$3.2 and \$4.7 billion. The \$3.9 billion request is the midpoint of this range.

Compared to 2019 results, ridership has now declined 93 percent on the subways, 95 percent on MTA Metro-North Railroad, and 97 percent on the Long Island Rail Road, with equally reduced ridership on buses. Crossings at MTA Bridges and Tunnels facilities are down by an estimated 62% from 2019 figures. Based on the current ridership and reasonable forecasts of a slow return to higher (but not pre-COVID-19 pandemic) levels in 2020, MTA, based upon

projections in the McKinsey Report, expects to see combined losses in fare and toll revenues of between \$4.7 and \$5.9 billion in 2020, and additional impacts in 2021. Projections for 2021 are of necessity more speculative at this time and were beyond the scope of the McKinsey Report.

Moreover, the McKinsey Report, based upon limited available data, forecasts losses of between \$1.6 and \$1.8 billion in State and local taxes dedicated to MTA in 2020 as a result of the extraordinary economic downturn facing the region and nation.

Finally, MTA is also incurring additional expenses related to ensuring the safety of employees and riders, by disinfecting stations, rolling stock and work spaces to a new, even more costly level. The McKinsey Report estimates these incremental operational expenses for 2020 to be between \$700 and \$800 (inclusive of a portion of the \$300 COVID-19 annualized costs estimate referred to in the March 25th Supplement). The dedication of MTA workers has come at the highest cost in illness and loss of life. Sixty-eight MTA employees have tragically passed away due to COVID-19. MTA New York City Transit alone has more than 2,400 subway and bus employees who have tested positive for COVID-19. Another 4,400 are on home quarantine and thousands more are calling out sick. MTA does not expect those overhead costs to decline, but instead to increase as ridership returns.

The McKinsey Report provided an estimate of the shortfalls discussed below through the end of calendar year 2020, ranging between \$3.2 and \$4.7 billion after accounting for the \$3.8 billion the MTA is expected to receive through the CARES Act.

By way of background to the McKinsey Report forecasts, on March 17, 2020, five days before the stay-at-home order went into effect for New York State, MTA projected that it would face a 2020 budget shortfall of at least \$4 billion in fare and toll revenues, based upon then current ridership and bridge and tunnel crossings declines. This estimate explicitly did not take into account the impact of the COVID-19 pandemic on taxes and other dedicated revenue streams that support MTA's operations. Approximately, one month later, it is now clear that the COVID-19 pandemic is more severe and of longer duration than had been anticipated. The impact to MTA's finances is material and leaves a gap that must be filled in order to sustain normal operations. MTA has begun refining the fare and toll revenue loss projections to reflect these changes, as well as projecting losses in the tax and other subsidy revenues that generally make up approximately one-half of MTA's total revenue sources. McKinsey & Company was contracted by MTA to analyze the potential impact of the COVID-19 pandemic on MTA's 2020 calendar year revenues.

As noted above, this analysis did not attempt to capture the impact of the COVID-19 pandemic on MTA finances in 2021. A view of 2021 will need to be developed when the key factors that influence it; the course of the virus, public health responses, including social isolation measures, and the trajectory of the economic recovery, can be seen with greater clarity. The McKinsey Report focused on operating costs and did not make any assumptions related to additional capital expenditures that MTA may incur over the course of the COVID-19 pandemic. It is limited to giving an initial view of additional operating costs.

In general, the McKinsey Report reviewed two scenarios for how revenues may be affected in the full calendar year 2020. The scenarios developed reflected different assumptions for how transit and commuter rail ridership and bridge and tunnel traffic will behave across several variables. The report further analyzed MTA's dedicated revenue streams and the impact of the COVID-19 pandemic on the variety of economic activity that generates much of the dedicated tax component of this revenue stream. The estimated incremental negative revenue impacts on MTA, after accounting for the CARES Act assistance of \$3.8 billion, ranged from \$3.2 billion to \$4.7 billion. The midpoint between these two scenarios, \$3.9 billion, was selected as the basis of MTA's April 16th request to Congress.

There is substantial risk that the higher end of the range could materialize based on uncertainties in the course of the COVID-19 pandemic, the speed of development and mass promulgation of high-volume clinical testing and protocols, the availability of medical supplies and equipment, continued public adherence to protective policies, and Federal policy response.

- **MTA Liquidity Resources.** MTA currently has liquidity resources, consisting of a current running cash balance, internal available flexible funds, OPEB resources and commercial bank lines of credit totaling \$1.201 billion (\$1.0 billion of which has been drawn). These funds provide a temporary funding "bridge" to a permanent solution to the lost revenue and higher expenses. They must be repaid or replaced. Use of these monies will leave MTA with a significant gap in funding for both the operating budget and capital plan over the longer term and will likely result in additional debt issuance and unfunded operating needs.

Longer-term resource options to address the COVID-19 pandemic impacts, may include, but are not limited to, (i) approximately \$4 billion in federal emergency transit grants pursuant to the CARES Act, (ii) replacing programmed pay-as-you-go capital funds with long term bonding, (iii) various debt restructuring options generating potential resources depending upon market conditions and other matters, and (iv) applying new, federal FTA grant flexibility rules to use in the current federal fiscal year for operating relief in the emergency. The MTA Board on March 25, 2020 authorized MTA to secure an additional \$2 billion in commercial bank lines of credit market conditions permitting. Also, see the

additional significant financial assistance and flexibility provided in the State's FY 2020-21 Enacted Budget. There can be no assurance that MTA will be successful in securing additional lines of credit.

As noted above, exercising these options would come at a cost, including increased longer-term borrowing and potential adverse impacts on the timing of MTA initiatives to improve its systems. The loss of farebox and toll revenues, potential declines in State and local, as well as reprogramming of available federal and possibly State generated funding support for capital purposes, to urgent financial needs, will result in delays and shortfalls in implementing Capital Plan projects. The full impact of the COVID-19 pandemic on Capital Plan implementation cannot be determined at this time.

Finally, as is provided in the February Plan, MTA relies in State and local subsidies and dedicated taxes. The financial stress which MTA is experiencing as a result of the COVID-19 pandemic is being similarly felt at all levels of the government and in the social and financial lives of MTA patrons and State and local residents. This can be expected to have a substantial adverse impact on State and local revenues, on dedicated tax collections, and thus on the capacity of the State and local governments to maintain or raise the level of financial support to MTA during this crisis.

- **NY Essential Service Plan.** On March 24, 2020, MTA management announced the implementation of the "NY Essential Service Plan ("Service Plan")." The Service Plan is designed to ensure healthcare workers, first responders and essential personnel are able to get to and from work by public transportation. MTA New York City Transit, MTA Long Island Rail Road and MTA Metro-North Railroad have implemented temporary reduced service schedules.

The Service Plan includes the following specific measures:

- **Subways and Buses:** On the subways, beginning March 25, 2020, service reductions were implemented. The service changes preserve MTA New York City Transit's a.m. and p.m. peak service to get first responders and essential personnel to their destinations. Some lines will not run Monday through Friday, including the B, W and Z lines, which will be covered by other local service. Some express services and branches on some lines will operate only local service. MTA New York City Transit will continue to undertake a line-by-line, hour-by-hour analysis of ridership, retaining flexibility to increase service as necessary.

The Service Plan for buses started on March 26, 2020. The plan retains 75 percent of normal bus service, allows the MTA to serve essential workers and reduce crowding on transit and in crew facilities. Customers who still need to use buses for essential activities will continue to be accommodated. At the same time, the maximum number of buses needed will be substantially reduced, requiring fewer operators and lessening crowding of depot facilities.

- **Long Island Rail Road and Metro-North:** MTA Long Island Rail Road will have over 500 weekday trains running, compared to a normal weekday of over 740 trains, beginning March 27, 2020. MTA Long Island Rail Road will also have crews and equipment on standby to supplement service if necessary.

Beginning on March 27, 2020, MTA Metro-North Railroad will provide hourly service on the Harlem, Hudson and New Haven lines, with extra trains added during peak times. Normal weekday capacity will be reduced by approximately 50 percent when compared to a normal weekday. The reduced schedule will run 424 trains, down from 713 during a normal schedule.

Beginning the weekend of April 4/April 5, MTA Metro-North Railroad will provide hourly service while also suspending shuttle service between Wassaic and Southeast on the Upper Harlem line.

- **Paratransit:** The paratransit program has eliminated shared rides, in accordance with the recommended public health guidance, and extended eligibility for existing Access-A-Ride customers. The paratransit system continues to have capacity to serve demand.

All of the foregoing service changes are described on MTA website, the MYmta app and on countdown clocks in stations and on platforms.

The schedule changes follow the Governor's "New York State on PAUSE" order, which directed New Yorkers use of public transportation for only essential travel and attempts to limit potential exposure by spacing out riders by six feet. MTA New York City Transit, MTA Bus Company, MTA Long Island Rail Road and MTA Metro-North Railroad continue their aggressive disinfecting procedures at each of its stations twice daily, and continue daily sanitization of its fleet of rolling stock with the full fleet of train cars and buses disinfected every 72 hours or less. The Access-A-Ride dedicated fleet is disinfected daily. Surfaces frequently used by customers in stations, such as turnstiles, MetroCard and ticket vending machines, and handrails, will be disinfected twice daily with EPA-approved and National Centers for Disease Control-endorsed disinfectants.

MTA is employing its pandemic plan, which is updated regularly, and serves as a blueprint guiding the MTA's response in accordance with Federal, State and local authorities. Through the end of March, MTA has distributed the following resources to operating employees: masks, gloves to those whose jobs require it, bottles of hand sanitizer, gallons of cleaning supplies and boxes of sanitizing wipes. Additionally, MTA continues to replenish and maintain a stockpile of these essential items so that MTA can continue to distribute them as needed. In addition, to these actions,

MTA has taken a number of aggressive steps to ensure worker safety, including reducing the number of crews that need to report to work, implementing rear-door boarding to ensure social distance for bus operators, eliminating cash transactions and, as detailed above, disinfecting workplaces, trains, business and all rolling stock, among other actions. MTA is also working closely with the National Centers for Disease Control, the State Department of Health, and other government agencies during this time.

- **Capital Plan Procurement and Construction Contract Delays.** MTA Construction and Development Company (“MTACDC”) is currently evaluating the impacts of the COVID-19 pandemic on MTA’s Capital Plans. MTACDC expects to reassess a path forward for implementation of the Capital Plans in the face of the COVID-19 pandemic in 60 days. In the meantime, MTACDC will cease the award of new Capital Plan construction or consulting contracts and, with few exceptions, MTACDC is, effective April 1, 2020, suspending action on open solicitations for all such contracts. With limited exceptions, the dates for submission of bids, requests for qualification and requests for proposals for open solicitations for MTACDC, or for any other capital budget-funded MTA projects, will be adjourned until further notice. Similarly, currently scheduled qualification hearings and pre-bid conferences have been cancelled and will be rescheduled as appropriate. The full impact of the COVID-19 pandemic on Capital Plan implementation cannot be determined at this time.
- **New York State Fiscal Year 2020-21 Budget Provisions of Importance to MTA.** Several provisions in the State’s fiscal year 2020-21 budget (as passed by both the State Assembly and State Senate and signed by the Governor on April 3, 2020 the “State FY 2020-21 Enacted Budget”), are intended to provide significant financial assistance and flexibility to aid MTA in addressing the adverse impacts caused by the COVID-19 pandemic. Among the provisions in the State FY 2020-21 Enacted Budget addressing MTA’s needs are the following:
 - (i) amends existing law to allow MTA to use monies in the Central Business District Tolling Lockbox Fund (the “CBD Tolling Lockbox Fund”) for two years (2020 and 2021) to offset decreases in revenue (i.e. lost taxes, fees, charges, fares and tolls) or increases in operating costs due in whole or in part to the State emergency disaster caused by the COVID-19 pandemic. The CBD Tolling Lockbox Fund currently includes Internet sales tax revenue and mansion tax revenue that will be used for operations. In the future, CBD tolling revenue will be added when that program is up and running, although CBD tolling revenue may be restricted under Federal law to capital expenses. All revenues deposited in such fund were under prior law only available for capital costs of MTA’s 2020-24 Capital Plan and successor capital plans, and costs of the Central Business District tolling program. This provision also provides that if MTA receives funds/reimbursements from Federal government or insurance due to the COVID-19 pandemic, MTA must repay the CBD Tolling Lockbox Fund, but only after it has first fully repaid any COVID-19 pandemic related public or private borrowings, draws on lines of credit; issuances of revenue anticipation notes, internal loans; or use of corpus of MTA’s OPEB trust;
 - (ii) amends existing law to increase MTA’s bond cap from \$55.497 billion to \$90.1 billion through 2024;
 - (iii) creates new authorization for MTA to issue up to \$10 billion of bonds for three years (2020-2022) to offset decreases in revenue (i.e. lost taxes, fees, charges, fares and tolls) or increases in operating costs of the MTA and its Related Entities due in whole or in part to the State disaster emergency caused by the COVID-19 pandemic;
 - (iv) commits the State and the City to each pay \$3 billion to fund capital costs of the MTA’s 2020-2024 Capital Plan. Additionally,
 - State’s Director of the Budget will determine schedule for the City’s payments of its \$3 billion share to MTA,
 - if the City does not pay in full any of its scheduled payments, the Director of the Budget shall require the State Comptroller to intercept aid to localities appropriations to the City, or any other revenue source of the City, including sales and use tax, in an amount equal to the City’s unpaid balance and deposit it into a newly established State-held fund, the MTA Capital Assistance Fund, and
 - the State Comptroller must pay monies deposited in the MTA Capital Assistance Fund to MTA without appropriation, and
 - (v) requires the City, beginning on July 1, 2020, to pay one-half of the MTA’s net paratransit operating expenses for four years: 2020, 2021, 2022, and 2023, and provides a statutory mechanism to intercept funds otherwise available to the City to insure payment of the City’s share, if necessary. The City’s contribution for each of those years is capped in the law as follows: 2020: \$215; 2021: \$277; 2022: \$290; and 2023: \$310.
- **Dedication of 341-7 Madison Avenue Redevelopment Proceeds to MTA Capital Program.** MTA and the City of New York announced on April 2, 2020, an agreement on a site-specific value capture strategy to speed development of 341-7 Madison Avenue, the site of the MTA’s former headquarters in midtown Manhattan. Real estate taxes and other revenue generated from the future ground lease for the redevelopment of the property will be dedicated to the MTA capital program. The redevelopment plan is projected to generate more than \$1 billion over the life of the ground lease to fund approved MTA New York City Transit projects. The agreement is part of the City of New York’s commitment

to provide \$600 from alternative non-tax-levy revenue sources as part of its \$2.66 billion contribution to MTA's 2015-2019 Capital Plan.

- **COVID-19 Family Benefits Agreement.** On April 14, 2020, the MTA, Transport Workers Union Local 100 (TWU), the International Association of Sheet Metal, Air, Rail and Transportation Workers (SMART), and International Brotherhood of Teamsters Local 808 (IBT) reached an agreement on COVID-19 family benefits for transportation workers tragically lost in the pandemic. The benefits include a payment of \$500,000 (whole dollars) from the MTA to the surviving family of any worker who lost their life as a result of COVID-19, in addition to providing health insurance to the spouse and dependents to the age of 26 of the surviving family for three years. The MTA continues to have ongoing discussions with all labor partners to extend the COVID-19 family benefits agreement to all members of its represented workforce. The agreement will also be extended to all non-represented employees. The agreement is subject to Board ratification on April 22, 2020.

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Changes in the MTA's Net Pension Liability and Related Ratios for Single Employer Pension Plans

(\$ in thousands)

| Plan Measurement Date (December 31): | Additional Plan | | | | | MaBSTOA Plan | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------|---------------------|
| | 2018 | 2017 | 2016 | 2015 | 2014 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Total pension liability: | | | | | | | | | | |
| Service cost | \$ 1,057 | \$ 1,874 | \$ 2,752 | \$ 3,441 | \$ 3,813 | \$ 86,979 | \$ 84,394 | \$ 82,075 | \$ 77,045 | \$ 72,091 |
| Interest | 97,611 | 101,477 | 104,093 | 106,987 | 110,036 | 256,084 | 246,284 | 236,722 | 232,405 | 223,887 |
| Effect of economic / demographic (gains) or losses | 213 | 1,890 | 15,801 | 6,735 | - | 5,412 | 11,826 | 13,784 | (68,997) | - |
| Effect of assumption changes or inputs | - | - | - | - | - | - | 6,347 | - | - | - |
| Differences between expected and actual experience | - | - | - | - | - | - | - | - | - | (1,596) |
| Benefit payments and withdrawals | (159,565) | (159,717) | (158,593) | (157,071) | (156,974) | (213,827) | (209,122) | (187,823) | (179,928) | (175,447) |
| Net change in total pension liability | (60,684) | (54,476) | (35,947) | (39,908) | (43,125) | 134,648 | 139,729 | 144,758 | 60,525 | 118,935 |
| Total pension liability—beginning | 1,471,828 | 1,526,304 | 1,562,251 | 1,602,159 | 1,645,284 | 3,676,476 | 3,536,747 | 3,391,989 | 3,331,464 | 3,212,529 |
| Total pension liability—ending (a) | 1,411,144 | 1,471,828 | 1,526,304 | 1,562,251 | 1,602,159 | 3,811,124 | 3,676,476 | 3,536,747 | 3,391,989 | 3,331,464 |
| Plan fiduciary net position: | | | | | | | | | | |
| Employer contributions | 59,500 | 76,523 | 81,100 | 100,000 | 407,513 | 205,433 | 202,684 | 220,697 | 214,881 | 226,374 |
| Nonemployer contributions | - | 145,000 | 70,000 | - | - | - | - | - | - | - |
| Member contributions | 333 | 760 | 884 | 1,108 | 1,304 | 21,955 | 19,713 | 18,472 | 16,321 | 15,460 |
| Net investment income | (31,098) | 112,614 | 58,239 | 527 | 21,231 | (87,952) | 350,186 | 212,260 | (24,163) | 105,084 |
| Benefit payments and withdrawals | (159,565) | (159,717) | (158,593) | (157,071) | (156,974) | (213,827) | (209,122) | (187,823) | (179,928) | (175,447) |
| Administrative expenses | (1,180) | (1,070) | (611) | (1,218) | (975) | (196) | (208) | (186) | (88) | (74) |
| Net change in plan fiduciary net position | (132,010) | 174,110 | 51,019 | (56,654) | 272,099 | (74,587) | 363,253 | 263,420 | 27,023 | 171,397 |
| Plan fiduciary net position—beginning | 951,327 | 777,217 | 726,198 | 782,852 | 510,753 | 2,918,989 | 2,555,736 | 2,292,316 | 2,265,293 | 2,093,896 |
| Plan fiduciary net position—ending (b) | 819,317 | 951,327 | 777,217 | 726,198 | 782,852 | 2,844,402 | 2,918,989 | 2,555,736 | 2,292,316 | 2,265,293 |
| Employer's net pension liability—ending (a)-(b) | \$ 591,827 | \$ 520,501 | \$ 749,087 | \$ 836,053 | \$ 819,307 | \$ 966,722 | \$ 757,487 | \$ 981,011 | \$ 1,099,673 | \$ 1,066,171 |
| Plan fiduciary net position as a percentage of the total pension liability | 58.06% | 64.64% | 50.92% | 46.48% | 48.86% | 74.63% | 79.40% | 72.26% | 67.58% | 68.00% |
| Covered payroll | \$ 13,076 | \$ 20,500 | \$ 29,312 | \$ 39,697 | \$ 43,267 | \$ 776,200 | \$ 749,666 | \$ 716,527 | \$ 686,674 | \$ 653,287 |
| Employer's net pension liability as a percentage of covered payroll | 4526.06% | 2539.03% | 2555.56% | 2106.09% | 1893.61% | 124.55% | 101.04% | 136.91% | 160.14% | 163.20% |

Note: Information was not readily available for periods prior to 2014. This schedule is intended to show information for ten years. Additional years will be displayed as they become available.

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Changes in the MTA's Net Pension Liability and Related Ratios for Single Employer Pension Plans

(continued)

(\$ in thousands)

| Plan Measurement Date (December 31): | MNR Cash Balance Plan | | | | | MTA Defined Benefit Plan | | | | |
|---|-----------------------|---------------|----------------|-----------------|-----------------|--------------------------|---------------------|---------------------|---------------------|---------------------|
| | 2018 | 2017 | 2016 | 2015 | 2014 | 2018 | 2017 | 2016 | 2015 | 2014 |
| Total pension liability: | | | | | | | | | | |
| Service cost | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 162,273 | \$ 148,051 | \$ 138,215 | \$ 124,354 | \$ 121,079 |
| Interest | 20 | 21 | 24 | 29 | 32 | 358,118 | 335,679 | 308,009 | 288,820 | 274,411 |
| Effect of economic / demographic (gains) or losses | (11) | 12 | (15) | (10) | - | 75,744 | (27,059) | 86,809 | 121,556 | 2,322 |
| Effect of assumption changes or inputs | - | - | - | 18 | - | - | 10,731 | - | (76,180) | - |
| Effect of plan changes | - | - | - | - | - | 61,890 | 76,511 | 73,521 | 6,230 | - |
| Benefit payments and withdrawals | (58) | (71) | (77) | (113) | (88) | (242,349) | (232,976) | (209,623) | (199,572) | (191,057) |
| Net change in total pension liability | (49) | (38) | (68) | (76) | (56) | 415,676 | 310,937 | 396,931 | 265,208 | 206,755 |
| Total pension liability—beginning | 528 | 566 | 634 | 710 | 766 | 5,072,814 | 4,761,877 | 4,364,946 | 4,099,738 | 3,892,983 |
| Total pension liability—ending (a) | 479 | 528 | 566 | 634 | 710 | 5,488,490 | 5,072,814 | 4,761,877 | 4,364,946 | 4,099,738 |
| Plan fiduciary net position: | | | | | | | | | | |
| Employer contributions | 5 | - | 23 | 18 | - | 338,967 | 321,861 | 280,768 | 221,694 | 331,259 |
| Member contributions | - | - | - | - | - | 29,902 | 31,027 | 29,392 | 34,519 | 26,006 |
| Net investment income | 1 | 20 | 16 | 6 | 41 | (150,422) | 516,153 | 247,708 | (45,122) | 102,245 |
| Benefit payments and withdrawals | (58) | (71) | (77) | (113) | (88) | (242,349) | (232,976) | (209,623) | (199,572) | (191,057) |
| Administrative expenses | - | - | - | 3 | (3) | (3,152) | (4,502) | (3,051) | (1,962) | (9,600) |
| Net change in plan fiduciary net position | (52) | (51) | (38) | (86) | (50) | (27,054) | 631,563 | 345,194 | 9,557 | 258,853 |
| Plan fiduciary net position—beginning | 523 | 574 | 612 | 698 | 748 | 4,051,534 | 3,419,971 | 3,074,777 | 3,065,220 | 2,806,367 |
| Plan fiduciary net position—ending (b) | 471 | 523 | 574 | 612 | 698 | 4,024,480 | 4,051,534 | 3,419,971 | 3,074,777 | 3,065,220 |
| Employer's net pension liability—ending (a)-(b) | \$ 8 | \$ 5 | \$ (8) | \$ 22 | \$ 12 | \$ 1,464,010 | \$ 1,021,280 | \$ 1,341,906 | \$ 1,290,169 | \$ 1,034,518 |
| Plan fiduciary net position as a percentage of the total pension liability | 98.33% | 99.05% | 101.41% | 96.53% | 98.36% | 73.33% | 79.87% | 71.82% | 70.44% | 74.77% |
| Covered payroll | \$ 268 | \$ 471 | \$ 846 | \$ 1,474 | \$ 2,274 | \$ 2,030,695 | \$ 1,857,026 | \$ 1,784,369 | \$ 1,773,274 | \$ 1,679,558 |
| Employer's net pension liability as a percentage of covered payroll | 2.99% | 1.06% | -0.95% | 1.49% | 0.53% | 72.09% | 55.00% | 75.20% | 72.76% | 61.59% |

Note: Information was not readily available for periods prior to 2014. This schedule is intended to show information for ten years. Additional years will be displayed as they become available.

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of the MTA's Proportionate Share of the Net Pension Liabilities of Cost-Sharing Multiple-Employer Pension Plans

(\$ in thousands)

| | NYCERS Plan | | | | |
|---|---------------------|----------------|----------------|----------------|----------------|
| | June 30, 2019 | June 30, 2018 | June 30, 2017 | June 30, 2016 | June 30, 2015 |
| Plan Measurement Date: | | | | | |
| MTA's proportion of the net pension liability | 24.493% | 23.682% | 24.096% | 23.493% | 23.585% |
| MTA's proportionate share of the net pension liability | \$ 4,536,510 | \$ 4,176,941 | \$ 5,003,811 | \$ 5,708,052 | \$ 4,773,787 |
| MTA's actual covered payroll | \$ 3,385,743 | \$ 3,216,837 | \$ 3,154,673 | \$ 3,064,007 | \$ 2,989,480 |
| MTA's proportionate share of the net pension liability as a percentage of the MTA's covered payroll | 113.989% | 129.846% | 158.616% | 186.294% | 159.686% |
| Plan fiduciary net position as a percentage of the total pension liability | 78.836% | 78.826% | 74.805% | 69.568% | 73.125% |
| | | | | | |
| | NYSLERS Plan | | | | |
| | March 31, 2019 | March 31, 2018 | March 31, 2017 | March 31, 2016 | March 31, 2015 |
| Plan Measurement Date: | | | | | |
| MTA's proportion of the net pension liability | 0.345% | 0.327% | 0.311% | 0.303% | 0.289% |
| MTA's proportionate share of the net pension liability | \$ 24,472 | \$ 10,553 | \$ 29,239 | \$ 48,557 | \$ 9,768 |
| MTA's actual covered payroll | \$ 109,252 | \$ 105,269 | \$ 96,583 | \$ 87,670 | \$ 87,315 |
| MTA's proportionate share of the net pension liability as a percentage of the MTA's covered payroll | 22.400% | 10.025% | 30.273% | 55.386% | 11.187% |
| Plan fiduciary net position as a percentage of the total pension liability | 96.267% | 98.240% | 94.703% | 90.685% | 97.947% |

Note: Information was not readily available for periods prior to 2015. This schedule is intended to show information for ten years. Additional years will be displayed as they become available. The data provided in this schedule is based on the measurement date used by NYCERS and NYSLERS for the net pension liability.

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of the MTA's Contributions for All Pension Plans for the Year Ended December 31,

(\$ in thousands)

| | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 |
|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------------------|-------------------|-------------------|-------------------|
| Additional Plan* | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 62,774 | \$ 59,196 | \$ 76,523 | \$ 83,183 | \$ 82,382 | \$ 112,513 | \$ - | \$ - | \$ - | \$ - |
| Actual Employer Contribution | 62,774 | 59,500 | 221,523 | 151,100 | 100,000 | 407,513 | - | - | - | - |
| Contribution Deficiency (Excess) | <u>\$ -</u> | <u>\$ (304)</u> | <u>\$ (145,000)</u> | <u>\$ (67,917)</u> | <u>\$ (17,618)</u> | <u>\$ (295,000)</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Covered Payroll | <u>\$ 7,236</u> | <u>\$ 13,076</u> | <u>\$ 20,500</u> | <u>\$ 29,312</u> | <u>\$ 39,697</u> | <u>\$ 43,267</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Contributions as a % of Covered Payroll | 480.09% | 466.49% | 1080.62% | 515.49% | 251.91% | 941.87% | N/A | N/A | N/A | N/A |
| MaBSTOA Plan | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 209,314 | \$ 202,509 | \$ 202,924 | \$ 220,697 | \$ 214,881 | \$ 226,374 | \$ 234,474 | \$ 228,918 | \$ 186,454 | \$ 200,633 |
| Actual Employer Contribution | 206,390 | 205,434 | 202,684 | 220,697 | 214,881 | 226,374 | 234,474 | 228,918 | 186,454 | 200,633 |
| Contribution Deficiency (Excess) | <u>\$ 2,924</u> | <u>\$ (2,925)</u> | <u>\$ 240</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Covered Payroll | <u>\$ 786,600</u> | <u>\$ 776,200</u> | <u>\$ 749,666</u> | <u>\$ 716,527</u> | <u>\$ 686,674</u> | <u>\$ 653,287</u> | <u>\$ 582,081</u> | <u>\$ 575,989</u> | <u>\$ 579,696</u> | <u>\$ 591,073</u> |
| Contributions as a % of Covered Payroll | 26.59% | 26.47% | 27.04% | 30.80% | 31.29% | 34.65% | 40.28% | 39.74% | 32.16% | 33.94% |
| Metro-North Cash Balance Plan* | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 8 | \$ 5 | \$ - | \$ 23 | \$ - | \$ 5 | \$ - | \$ - | \$ - | \$ - |
| Actual Employer Contribution | - | 5 | - | 23 | 14 | - | - | - | - | - |
| Contribution Deficiency (Excess) | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ (14)</u> | <u>\$ 5</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Covered Payroll | <u>\$ 278</u> | <u>\$ 268</u> | <u>\$ 471</u> | <u>\$ 846</u> | <u>\$ 1,474</u> | <u>\$ 2,274</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Contributions as a % of Covered Payroll | 2.99% | 2.03% | 0.00% | 2.68% | 0.96% | 0.00% | N/A | N/A | N/A | N/A |
| MTA Defined Benefit Plan* | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 349,928 | \$ 331,566 | \$ 316,916 | \$ 290,415 | \$ 273,700 | \$ 271,523 | \$ - | \$ - | \$ - | \$ - |
| Actual Employer Contribution | 343,862 | 339,800 | 321,861 | 280,767 | 221,694 | 331,259 | - | - | - | - |
| Contribution Deficiency (Excess) | <u>\$ 6,066</u> | <u>\$ (8,234)</u> | <u>\$ (4,945)</u> | <u>\$ 9,648</u> | <u>\$ 52,006</u> | <u>\$ (59,736)</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Covered Payroll | <u>\$ 2,052,657</u> | <u>\$ 2,030,695</u> | <u>\$ 1,857,026</u> | <u>\$ 1,784,369</u> | <u>\$ 1,773,274</u> | <u>\$ 1,679,558</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> | <u>\$ -</u> |
| Contributions as a % of Covered Payroll | 16.19% | 16.83% | 17.33% | 15.73% | 12.50% | 19.72% | N/A | N/A | N/A | N/A |

* For the MTA Defined Benefit Plan, Additional Plan and Metro-North Cash Balance Plan, information was not readily available for periods prior to 2014. This schedule is intended to show information for ten years. Additional years will be displayed as they become available.

REQUIRED SUPPLEMENTARY INFORMATION

Schedule of the MTA's Contributions for All Pension Plans for the Year Ended December 31,

(continued)

(\$ in thousands)

| | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| NYCERS | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 952,616 | \$ 807,097 | \$ 800,863 | \$ 797,845 | \$ 736,212 | \$ 741,223 | \$ 736,361 | \$ 731,983 | \$ 657,771 | \$ 574,555 |
| Actual Employer Contribution | 952,616 | 807,097 | 800,863 | 797,845 | 736,212 | 741,223 | 736,361 | 731,983 | 657,771 | 574,555 |
| Contribution Deficiency (Excess) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Covered Payroll | \$ 3,948,283 | \$ 3,974,494 | \$ 3,768,885 | \$ 3,523,993 | \$ 3,494,907 | \$ 3,617,087 | \$ 2,943,195 | \$ 2,925,834 | \$ 2,900,630 | \$ 2,886,789 |
| Contributions as a % of Covered Payroll | 23.97% | 20.31% | 21.25% | 22.64% | 21.07% | 20.49% | 25.02% | 25.02% | 22.68% | 19.90% |
| NYSLERS ** | | | | | | | | | | |
| Actuarially Determined Contribution | \$ 14,851 | \$ 14,501 | \$ 13,969 | \$ 12,980 | \$ 15,792 | \$ 13,816 | \$ - | \$ - | \$ - | \$ - |
| Actual Employer Contribution | 14,851 | 14,501 | 13,969 | 12,980 | 15,792 | 13,816 | - | - | - | - |
| Contribution Deficiency (Excess) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Covered Payroll | \$ 106,913 | \$ 109,210 | \$ 103,787 | \$ 94,801 | \$ 86,322 | \$ 84,041 | \$ - | \$ - | \$ - | \$ - |
| Contributions as a % of Covered Payroll | 13.60% | 13.28% | 13.46% | 13.69% | 18.29% | 16.44% | N/A | N/A | N/A | N/A |

** For the NYSLERS plan, information was not readily available for periods prior to 2014. This schedule is intended to show information for ten years. Additional years will be displayed as they become available.

REQUIRED SUPPLEMENTARY INFORMATION

Notes to Schedule of the MTA's Contributions for All Pension Plans

| | Additional Plan | | | | |
|---|--|--|--|--|---|
| Valuation Dates: | January 1, 2018 | January 1, 2017 | January 1, 2016 | January 1, 2015 | January 1, 2014 |
| Measurement Date: | December 31, 2018 | December 31, 2017 | December 31, 2016 | December 31, 2015 | December 31, 2014 |
| Actuarial cost method: | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost |
| Amortization method: | Period specified in current valuation report (closed 17 year period beginning January 1, 2016) with level dollar payments. | Period specified in current valuation report (closed 17 year period beginning January 1, 2016) with level dollar payments. | Period specified in current valuation report (closed 17 year period beginning January 1, 2016) with level dollar payments. | Period specified in current valuation report (closed 18 year period beginning January 1, 2015) with level dollar payments. | Period specified in current valuation report (closed 19 year period beginning January 1, 2014) with level dollar payments. |
| Asset Valuation Method: | Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets. |
| Salary increases: | 3.00% | 3.00% | 3.00% | 3.00% | 3.00% |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Investment rate of return : | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. |
| Mortality: | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. As generational tables, they reflect mortality improvements both before and after the measurement date. Mortality assumption is based on a 2012 experience study for all MTA plans. |
| Pre-retirement: | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. |
| Post-retirement Healthy Lives: | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. |
| Post-retirement Disabled Lives: | N/A | N/A | N/A | N/A | N/A |
| Inflation/Railroad Retirement Wage Base: | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.50% |
| Cost-of-Living Adjustments: | N/A | N/A | N/A | N/A | N/A |

REQUIRED SUPPLEMENTARY INFORMATION

Notes to Schedule of the MTA's Contributions for All Pension Plans

| | MaBSTOA Plan | | | | |
|---|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Valuation Dates: | January 1, 2018 | January 1, 2017 | January 1, 2016 | January 1, 2015 | January 1, 2014 |
| Measurement Date: | December 31, 2018 | December 31, 2017 | December 31, 2016 | December 31, 2015 | December 31, 2014 |
| Actuarial cost method: | Frozen Initial Liability (FIL) | Frozen Initial Liability (FIL) | Frozen Initial Liability (FIL) | Frozen Initial Liability (FIL) | Frozen Initial Liability (FIL) |
| Amortization method: | <p>For FIL bases, period specified in current valuation 30-year level dollar. Future gains/losses are amortized through the calculation of the normal cost in accordance with the FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population.</p> | | | | |
| Asset Valuation Method: | <p>Actuarial value equals market value less unrecognized gains/losses over a 5-year period. Gains/losses are based on market value of assets.</p> | | | | |
| Salary increases: | <p>Varies by years of employment and employment type.</p> | | | | |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Investment rate of return : | 7.00%, net of investment expenses. | | | | |
| Mortality: | <p>Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA.</p> | | | | |
| Pre-retirement: | <p>RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments.</p> | | | | |
| Post-retirement Healthy Lives: | <p>95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females.</p> | | | | |
| Post-retirement Disabled Lives: | <p>RP-2014 Disabled Annuitant mortality table for males and females.</p> | | | | |
| Inflation/Railroad Retirement Wage Base: | 2.50% | 2.50% | 2.50% | 2.50% | 2.50% |
| Cost-of-Living Adjustments: | 1.375% per annum | | | | |

REQUIRED SUPPLEMENTARY INFORMATION
Notes to Schedule of the MTA's Contributions for All Pension Plans
(continued)

| | MNR Cash Balance Plan | | | | |
|---|--|--|--|--|---|
| Valuation Dates: | January 1, 2019 | January 1, 2018 | January 1, 2017 | January 1, 2016 | January 1, 2014 |
| Measurement Date: | December 31, 2018 | December 31, 2017 | December 31, 2016 | December 31, 2015 | December 31, 2014 |
| Actuarial cost method: | Unit Credit Cost | Unit Credit Cost | Unit Credit Cost | Unit Credit Cost | Unit Credit Cost |
| Amortization method: | One-year amortization of the unfunded liability, if any. | One-year amortization of the unfunded liability, if any. | One-year amortization of the unfunded liability, if any. | One-year amortization of the unfunded liability, if any. | Period specified in current valuation report (closed 10 year period beginning January 1, 2008 - 4 year period for the January 1, 2014 valuation). |
| Asset Valuation Method: | Actuarial value equals market value. | Actuarial value equals market value. | Actuarial value equals market value. | Actuarial value equals market value. | Effective January 1, 2015, the Actuarially Determined Contribution (ADC) will reflect one-year amortization of the unfunded accrued liability in accordance with the funding policy adopted by the MTA. |
| Salary increases: | N/A | N/A | N/A | N/A | There were no projected salary increase assumptions used in the January 1, 2014 valuation as the participants of the Plan were covered under the Management Plan effective January 1, 1989. For participants of the Plan eligible for additional benefits, these benefits were not valued as the potential liability is de minimus. |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 4.00% | 4.00% | 4.00% | 4.00% | 4.50% |
| Investment rate of return : | 4.00%, net of investment expenses. | 4.00%, net of investment expenses. | 4.00%, net of investment expenses. | 4.00%, net of investment expenses. | 4.50%, net of investment expenses. |
| Mortality: | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. Mortality assumption is based on a 2017 experience study for all MTA plans. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. Mortality assumption is based on a 2017 experience study for all MTA plans. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. Mortality assumption is based on a 2012 experience study for all MTA plans. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. Mortality assumption is based on a 2012 experience study for all MTA plans. | Based on experience of all MTA members reflecting mortality improvement on a generational basis using scale AA. As generational tables, they reflect mortality improvements both before and after the measurement date. Mortality assumption is based on a 2012 experience study for all MTA plans. |
| Pre-retirement: | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. |
| Post-retirement Healthy Lives: | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. |
| Post-retirement Disabled Lives: | N/A | N/A | N/A | N/A | N/A |
| Inflation/Railroad Retirement Wage Base: | 2.50% | 2.50% | 2.30% | 2.30% | 2.50% |
| Cost-of-Living Adjustments: | N/A | N/A | N/A | N/A | N/A |

REQUIRED SUPPLEMENTARY INFORMATION
Notes to Schedule of the MTA's Contributions for All Pension Plans
(continued)

| | MTA Defined Benefit Plan | | | | |
|---|--|--|--|--|--|
| Valuation Dates: | January 1, 2018 | January 1, 2017 | January 1, 2016 | January 1, 2015 | January 1, 2014 |
| Measurement Date: | December 31, 2018 | December 31, 2017 | December 31, 2016 | December 31, 2015 | December 31, 2014 |
| Actuarial cost method: | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost |
| Amortization method: | For Frozen Initial Liability ("FIL") bases, period specified in current valuation report. Future gains/ losses are amortized through the calculation of the normal cost in accordance with FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population for each group. | For Frozen Initial Liability ("FIL") bases, period specified in current valuation report. Future gains/ losses are amortized through the calculation of the normal cost in accordance with FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population for each group. | For Frozen Initial Liability ("FIL") bases, period specified in current valuation report. Future gains/ losses are amortized through the calculation of the normal cost in accordance with FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population for each group. | For Frozen Initial Liability ("FIL") bases, period specified in current valuation report. Future gains/ losses are amortized through the calculation of the normal cost in accordance with FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population for each group. | For Frozen Initial Liability ("FIL") bases, period specified in current valuation report. Future gains/ losses are amortized through the calculation of the normal cost in accordance with FIL cost method amortized based on expected working lifetime, weighted by salary, of the projected population for each group. |
| Asset Valuation Method: | Actuarial value equals market value less unrecognized gains/ losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/ losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/ losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/ losses over a 5-year period. Gains/losses are based on market value of assets. | Actuarial value equals market value less unrecognized gains/ losses over a 5-year period. Gains/losses are based on market value of assets. |
| Salary increases: | Varies by years of employment, and employee group. 3.5% for MTA Bus hourly employees. | Varies by years of employment, and employee group. 3.5% for MTA Bus hourly employees. | Varies by years of employment, and employee group. 3.5% for MTA Bus hourly employees. | Varies by years of employment, and employee group. 3.5% for MTA Bus hourly employees. | Varies by years of employment, and employee group. |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Investment rate of return : | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Mortality: | Pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA. As a general table, it reflects mortality improvements both before and after the measurement date. | Pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA. As a general table, it reflects mortality improvements both before and after the measurement date. | Pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA. As a general table, it reflects mortality improvements both before and after the measurement date. | Pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA. As a general table, it reflects mortality improvements both before and after the measurement date. | Pre-retirement and post-retirement healthy annuitant rates are projected on a generational basis using Scale AA, as recommended by the Society of Actuaries Retirement Plans Experience Committee. Orality assumption is based on a 2012 experience study for all MTA plans. |
| Pre-retirement: | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. | RP-2000 Employee Mortality Table for Males and Females with blue collar adjustments. |
| Post-retirement Healthy Lives: | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. | 95% of the rates from the RP-2000 Healthy Annuitant mortality table for males with blue collar adjustments and 116% of the rates from the RP-2000 Healthy Annuitant mortality table for females. |
| Post-retirement Disabled Lives: | RP-2014 Disabled Annuitant mortality table for males and females | RP-2014 Disabled Annuitant mortality table for males and females | 75% of the rates from the RP-2000 Healthy Annuitant mortality table for males and females. At age 85 and later for males and age 77 and later for females, the disability rates are set to the male and females healthy rates, respectively. | 75% of the rates from the RP-2000 Healthy Annuitant mortality table for males and females. At age 85 and later for males and age 77 and later for females, the disability rates are set to the male and females healthy rates, respectively. | 75% of the rates from the RP-2000 Healthy Annuitant mortality table for males and females. At age 85 and later for males and age 77 and later for females, the disability rates are set to the male and females healthy rates, respectively. |
| Inflation/Railroad Retirement Wage Base: | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.50% | 2.50%; 3.00% |
| Cost-of-Living Adjustments: | 55% of inflation assumption or 1.375%, if applicable. | 55% of inflation assumption or 1.375%, if applicable. | 55% of inflation assumption or 1.375%, if applicable. | 55% of inflation assumption or 1.375%, if applicable. | 55% of inflation assumption or 1.375%, if applicable. |

REQUIRED SUPPLEMENTARY INFORMATION
Notes to Schedule of the MTA's Contributions for All Pension Plans
(continued)

| | NYCERS Plan | | | | |
|---|---|---|---|---|---|
| Valuation Dates: | June 30, 2018 | June 30, 2016 | June 30, 2015 | June 30, 2014 | June 30, 2013 |
| Measurement Date: | June 30, 2019 | June 30, 2018 | June 30, 2017 | June 30, 2016 | June 30, 2015 |
| Actuarial cost method: | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost | Entry Age Normal Cost |
| Amortization method: | Increasing Dollar for Initial Unfunded; Level Dollar for Post 2010 Unfunded. | Increasing Dollar for Initial Unfunded; Level Dollar for Post 2010 Unfunded. | Increasing Dollar for Initial Unfunded; Level Dollar for Post 2010 Unfunded. | Increasing Dollar for Initial Unfunded; Level Dollar for Post 2010 Unfunded. | Increasing Dollar for Initial Unfunded; Level Dollar for Post 2010 Unfunded. |
| Asset Valuation Method: | Modified six-year moving average of market values with a Market Value Restart as of June 30, 2011. | Modified six-year moving average of market values with a Market Value Restart as of June 30, 2011. | Modified six-year moving average of market values with a Market Value Restart as of June 30, 2011. | Modified six-year moving average of market values with a Market Value Restart as of June 30, 2011. | Modified six-year moving average of market values with a Market Value Restart as of June 30, 2011. |
| Salary increases: | 3% per annum. | 3% per annum. | 3% per annum. | 3% per annum. | 3% per annum. |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 7.00% | 7.00% | 7.00% | 7.00% | 7.00% |
| Investment rate of return : | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. |
| Mortality: | Mortality tables for service and disability pensioners were developed from an experience study of NYCERS's pensioners. The mortality tables for beneficiaries were developed from an experience review of NYCERS' beneficiaries. The most recently completed study was published by Gabriel Roeder & Company ("GRS"), dated October 2015, and analyzed experience for Fiscal Years 2010 through 2013. | Mortality tables for service and disability pensioners were developed from an experience study of NYCERS's pensioners. The mortality tables for beneficiaries were developed from an experience review of NYCERS' beneficiaries. The most recently completed study was published by Gabriel Roeder & Company ("GRS"), dated October 2015, and analyzed experience for Fiscal Years 2010 through 2013. | Mortality tables for service and disability pensioners were developed from an experience study of NYCERS's pensioners. The mortality tables for beneficiaries were developed from an experience review of NYCERS' beneficiaries. The most recently completed study was published by Gabriel Roeder & Company ("GRS"), dated October 2015, and analyzed experience for Fiscal Years 2010 through 2013. | Mortality tables for service and disability pensioners were developed from an experience study of NYCERS's pensioners. The mortality tables for beneficiaries were developed from an experience review of NYCERS' beneficiaries. The most recently completed study was published by Gabriel Roeder & Company ("GRS"), dated October 2015, and analyzed experience for Fiscal Years 2010 through 2013. | Mortality tables for service and disability pensioners were developed from an experience study of NYCERS's pensioners. The mortality tables for beneficiaries were developed from an experience review of NYCERS' beneficiaries. The most recently completed study was published by Gabriel Roeder & Company ("GRS"), dated October 2015, and analyzed experience for Fiscal Years 2010 through 2013. |
| Pre-retirement: | N/A | N/A | N/A | N/A | N/A |
| Post-retirement Healthy Lives: | N/A | N/A | N/A | N/A | N/A |
| Post-retirement Disabled Lives: | N/A | N/A | N/A | N/A | N/A |
| Inflation/Railroad Retirement Wage Base: | 2.50% | 2.50% | 2.50% | 2.50% | 2.50% |
| Cost-of-Living Adjustments: | 1.5% per annum for Auto COLA and 2.5% per annum for Escalation. | 1.5% per annum for Auto COLA and 2.5% per annum for Escalation. | 1.5% per annum for Auto COLA and 2.5% per annum for Escalation. | 1.5% per annum for Auto COLA and 2.5% per annum for Escalation. | 1.5% per annum for Auto COLA and 2.5% per annum for Escalation. |

REQUIRED SUPPLEMENTARY INFORMATION

Notes to Schedule of the MTA's Contributions for All Pension Plans

(continued)

| | NYSLERS Plan | | | | |
|---|--|--|--|--|--|
| Valuation Dates: | April 1, 2018 | April 1, 2017 | April 1, 2016 | April 1, 2015 | April 1, 2014 |
| Measurement Date: | March 31, 2019 | March 31, 2018 | March 31, 2017 | March 31, 2016 | March 31, 2015 |
| Actuarial cost method: | Aggregate Cost method | Aggregate Cost method | Aggregate Cost method | Aggregate Cost method | Aggregate Cost method |
| Amortization method: | Evenly over the remaining working lifetimes of the active membership. | Evenly over the remaining working lifetimes of the active membership. | Evenly over the remaining working lifetimes of the active membership. | Evenly over the remaining working lifetimes of the active membership. | Evenly over the remaining working lifetimes of the active membership. |
| Asset Valuation Method: | 5 year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return. | 5 year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return. | 5 year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return. | 5 year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return. | 5-year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return. |
| Salary increases: | 3.80% | 3.80% | 3.80% | 3.80% | 4.90% |
| Actuarial assumptions: | | | | | |
| Discount Rate: | 7.00% | 7.00% | 7.00% | 7.00% | 7.50% |
| Investment rate of return : | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.00%, net of investment expenses. | 7.5%, net of investment expenses. |
| Mortality: | Annuitant mortality rates are based on NYSLERS's 2015 experience study of the period April 1, 2010 through March 31, 2015 with adjustments for mortality improvements based on the Society of Actuaries's Scale MP-2014. | Annuitant mortality rates are based on NYSLERS's 2015 experience study of the period April 1, 2010 through March 31, 2015 with adjustments for mortality improvements based on the Society of Actuaries's Scale MP-2014. | Annuitant mortality rates are based on NYSLERS's 2010 experience study of the period April 1, 2005 through March 31, 2010 with adjustments for mortality improvements based on the Society of Actuaries's Scale MP-2014. | Annuitant mortality rates are based on NYSLERS's 2010 experience study of the period April 1, 2005 through March 31, 2010 with adjustments for mortality improvements based on the Society of Actuaries's Scale MP-2014. | Annuitant mortality rates are based on NYSLERS's 2010 experience study of the period April 1, 2005 through March 31, 2010 with adjustments for mortality improvements based on the Society of Actuaries's Scale MP-2014. |
| Pre-retirement: | N/A | N/A | N/A | N/A | N/A |
| Post-retirement Healthy Lives: | N/A | N/A | N/A | N/A | N/A |
| Post-retirement Disabled Lives: | N/A | N/A | N/A | N/A | N/A |
| Inflation/Railroad Retirement Wage Base: | 2.50% | 2.50% | 2.50% | 2.50% | 2.70% |
| Cost-of-Living Adjustments: | 1.3% per annum. | 1.3% per annum. | 1.3% per annum. | 1.3% per annum. | 1.4% per annum. |

REQUIRED SUPPLEMENTARY INFORMATION

Notes to Schedule of MTA's Contributions for All Pension Plans

(concluded)

Significant methods and assumptions used in calculating the actuarially determined contributions of an employer's proportionate share in Cost Sharing, Multiple-Employer pension plans, the NYCERS plan and the NYSLERS plan, are presented as notes to the schedule.

Factors that significantly affect trends in the amounts reported are changes of benefit terms, changes in the size or composition of the population covered by the benefit terms, or the use of different assumptions. Following is a summary of such factors:

Changes of Benefit Terms:

There were no significant legislative changes in benefit for the June 30, 2018 valuation for the NYCERS plan.

There were no significant legislative changes in benefit for the April 1, 2018 valuation for the NYSLERS plan.

Changes of Assumptions:

There were no significant changes in the economic and demographic used in the June 30, 2018 valuation for the NYCERS plan.

There were no significant changes in the economic and demographic assumptions used in the April 1, 2018 valuation for the NYSLERS plan.

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REQUIRED SUPPLEMENTARY INFORMATION

Schedule of Changes in the MTA's Net OPEB Liability and Related Ratios and Notes to Schedule

(\$ in thousands)

| Plan Measurement Date (December 31): | 2018 | 2017 |
|--|---------------|---------------|
| Total OPEB liability: | | |
| Service cost | \$ 1,002,930 | \$ 884,548 |
| Interest on total OPEB liability | 734,968 | 731,405 |
| Effect of plan changes | 1,580 | 27,785 |
| Effect of economic/demographic (gains) or losses | (19,401) | 13,605 |
| Effect of assumption changes or inputs | (1,800,135) | 911,465 |
| Benefit payments | (691,122) | (650,994) |
| Net change in total OPEB liability | (771,180) | 1,917,814 |
| Total OPEB liability—beginning | 20,705,068 | 18,787,254 |
| Total OPEB liability—ending (a) | 19,933,888 | 20,705,068 |
| Plan fiduciary net position: | | |
| Employer contributions | 691,122 | 650,994 |
| Net investment income | (18,916) | 47,370 |
| Benefit payments | (691,122) | (650,994) |
| Administrative expenses | (56) | - |
| Net change in plan fiduciary net position | (18,972) | 47,370 |
| Plan fiduciary net position—beginning | 370,352 | 322,982 |
| Plan fiduciary net position—ending (b) | 351,380 | 370,352 |
| Net OPEB liability—ending (a)-(b) | \$ 19,582,508 | \$ 20,334,716 |
| Plan fiduciary net position as a percentage of the total OPEB liability | 1.76% | 1.79% |
| Covered payroll | \$ 6,903,700 | \$ 5,394,332 |
| Net OPEB liability as a percentage of covered payroll | 283.65% | 376.96% |

Notes to Schedule:

Changes of benefit terms: In the July 1, 2017 actuarial valuation, there were no changes to the benefit terms.

Changes of assumptions: In the July 1, 2017 actuarial valuation, there was a change in assumptions. The discount rate used to measure liabilities was updated to incorporate GASB 75 guidance and changed to reflect the current municipal bond rate.

Note: This schedule is intended to show information for ten years. However, until a full 10-year trend has been compiled, information is presented only for the years for which the required supplementary information is available.

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REQUIRED SUPPLEMENTARY INFORMATION

Schedule of the MTA's Contributions to the OPEB Plan for the years ended December 31:

| (\$ in thousands) | 2019 | 2018 | 2017 |
|--|--------------|--------------|--------------|
| Actuarially Determined Contribution | N/A | N/A | N/A |
| Actual Employer Contribution (1) | \$ 737,297 | \$ 691,122 | \$ 650,994 |
| Contribution Deficiency (Excess) | N/A | N/A | N/A |
| Covered Payroll | \$ 6,901,690 | \$ 6,903,700 | \$ 5,394,200 |
| Actual Contribution as a Percentage of Covered Payroll | 10.68% | 10.01% | 12.07% |

⁽¹⁾ Actual employer contribution includes the implicit rate of subsidy adjustment of \$76,758 and \$74,484 for the years ended December 31, 2019 and 2018, respectively.

Note: This schedule is intended to show information for ten years. However, until a full 10-year trend has been compiled, information is presented only for the years for which the required supplementary information is available.

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REQUIRED SUPPLEMENTARY INFORMATION

Notes to Schedule of the MTA's Contributions to the OPEB Plan:

| | | |
|-----------------------------|--|--|
| Valuation date | July 1, 2017 | July 1, 2017 |
| Measurement date | December 31, 2018 | December 31, 2017 |
| Discount rate | 4.10%, net of expenses | 3.44%, net of expenses |
| Inflation | 2.50% | 2.50% |
| Actuarial cost method | Entry Age Normal | Entry Age Normal |
| Amortization method | Level percentage of payroll | Level percentage of payroll |
| Normal cost increase factor | 4.50% | 4.50% |
| Investment rate of return | 6.50% | 6.50% |
| Salary increases | 3%. Varies by years of service and differs for members of the various pension plans. | 3%. Varies by years of service and differs for members of the various pension plans. |

Note: This schedule is intended to show information for ten years. However, until a full 10-year trend has been compiled, information is presented only for the years for which the required supplementary information is available.

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SUPPLEMENTARY INFORMATION

Pension And Other Employee Benefit Trust Funds

Combining Statement of Fiduciary Net Position as of December 31, 2019

| (\$ in thousands) | Pension Funds | | | Other Employee Benefit Trust Funds | | Total |
|---|------------------------------|---|---------------------|------------------------------------|---------------------------------|----------------------|
| | Defined Benefit Pension Plan | LIRR Company Plan for Additional Pensions | MaBSTOA Plan | Other Post-employment Benefit Plan | Deferred Compensation 401K Plan | |
| ASSETS: | | | | | | |
| Cash | \$ 6,891 | \$ 1,114 | \$ 6,494 | \$ - | \$ - | \$ 14,499 |
| Receivables: | | | | | | |
| Employee loans | - | - | 40,092 | - | 168,314 | 208,406 |
| Participant and union contributions | - | 21 | - | - | - | 21 |
| Investment securities sold | - | 104 | 1,036 | - | - | 1,140 |
| Accrued interest and dividends | 2,950 | 477 | 1,419 | 20 | - | 4,866 |
| Other receivables | 2,149 | 33 | - | - | - | 2,182 |
| Total receivables | <u>5,099</u> | <u>635</u> | <u>42,547</u> | <u>20</u> | <u>168,314</u> | <u>216,615</u> |
| Investments at fair value: | | | | | | |
| Investments measured at readily determined fair value | 999,705 | 161,582 | 531,619 | - | - | 1,692,906 |
| Investments measured at net asset value | 3,776,051 | 676,685 | 2,730,245 | 414,929 | 2,887,279 | 10,485,189 |
| Investments at contract value | - | - | - | - | 1,435,218 | 1,435,218 |
| Total investments | <u>4,775,756</u> | <u>838,267</u> | <u>3,261,864</u> | <u>414,929</u> | <u>4,322,497</u> | <u>13,613,313</u> |
| Total assets | <u>\$ 4,787,746</u> | <u>\$ 840,016</u> | <u>\$ 3,310,905</u> | <u>\$ 414,949</u> | <u>\$ 4,490,811</u> | <u>\$ 13,844,427</u> |
| LIABILITIES: | | | | | | |
| Accounts payable and accrued liabilities | \$ 4,067 | \$ (342) | \$ 1,629 | \$ - | \$ 837 | \$ 6,191 |
| Payable for investment securities purchased | 3,594 | 581 | 3,425 | - | - | 7,600 |
| Accrued benefits payable | - | - | 19 | 122 | - | 141 |
| Accrued postretirement death benefits (PRDB) payable | - | - | 3,360 | - | - | 3,360 |
| Accrued 55/25 Additional Members Contribution (AMC) payable | - | - | 5,787 | - | - | 5,787 |
| Other liabilities | 516 | 69 | - | - | - | 585 |
| Total liabilities | <u>8,177</u> | <u>308</u> | <u>14,220</u> | <u>122</u> | <u>837</u> | <u>23,664</u> |
| NET POSITION: | | | | | | |
| Restricted for pensions | 4,779,569 | 839,708 | 3,296,685 | - | - | 8,915,962 |
| Restricted for postemployment benefits other than pensions | - | - | - | 414,827 | - | 414,827 |
| Restricted for other employee benefits | - | - | - | - | 4,489,974 | 4,489,974 |
| Total net position | <u>4,779,569</u> | <u>839,708</u> | <u>3,296,685</u> | <u>414,827</u> | <u>4,489,974</u> | <u>13,820,763</u> |
| Total liabilities and net position | <u>\$ 4,787,746</u> | <u>\$ 840,016</u> | <u>\$ 3,310,905</u> | <u>\$ 414,949</u> | <u>\$ 4,490,811</u> | <u>\$ 13,844,427</u> |

See Independent Auditors' Review Report and notes to the consolidated interim financial statements.

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SUPPLEMENTARY INFORMATION

Pension And Other Employee Benefit Trust Funds

Combining Statement of Fiduciary Net Position as of December 31, 2018

| (\$ in thousands) | Pension Funds | | | Other Employee Benefit Trust Funds | | Total |
|---|------------------------------|---|--------------|------------------------------------|---------------------------------|---------------|
| | Defined Benefit Pension Plan | LIRR Company Plan for Additional Pensions | MaBSTOA Plan | Other Post-employment Benefit Plan | Deferred Compensation 401K Plan | |
| ASSETS: | | | | | | |
| Cash | \$ 13,224 | \$ 2,484 | \$ 5,977 | \$ - | \$ - | \$ 21,685 |
| Receivables: | | | | | | |
| Employee loans | - | - | 36,804 | - | 159,462 | 196,266 |
| Participant and union contributions | - | - | - | - | - | - |
| Investment securities sold | - | 58 | 672 | - | - | 730 |
| Accrued interest and dividends | 2,745 | 516 | 1,331 | 14 | - | 4,606 |
| Other receivables | 1,845 | 92 | - | - | - | 1,937 |
| Total receivables | 4,590 | 666 | 38,807 | 14 | 159,462 | 203,539 |
| Investments at fair value: | | | | | | |
| Investments measured at readily determined fair value | 787,191 | 147,855 | 433,543 | - | - | 1,368,589 |
| Investments measured at net asset value | 3,228,219 | 669,902 | 2,379,443 | 351,538 | 2,286,394 | 8,915,496 |
| Investments at contract value | - | - | - | - | 1,313,496 | 1,313,496 |
| Total investments | 4,015,410 | 817,757 | 2,812,986 | 351,538 | 3,599,890 | 11,597,581 |
| Total assets | \$ 4,033,224 | \$ 820,907 | \$ 2,857,770 | \$ 351,552 | \$ 3,759,352 | \$ 11,822,805 |
| LIABILITIES: | | | | | | |
| Accounts payable and accrued liabilities | 5,752 | 1,035 | 1,380 | - | 721 | 8,888 |
| Payable for investment securities purchased | 2,699 | 507 | 2,148 | - | - | 5,354 |
| Accrued benefits payable | - | - | 937 | 172 | - | 1,109 |
| Accrued postretirement death benefits (PRDB) payable | - | - | 2,921 | - | - | 2,921 |
| Accrued 55/25 Additional Members Contribution (AMC) payable | - | - | 5,982 | - | - | 5,982 |
| Other liabilities | 293 | 48 | - | - | - | 341 |
| Total liabilities | 8,744 | 1,590 | 13,368 | 172 | 721 | 24,595 |
| NET POSITION: | | | | | | |
| Restricted for pensions | 4,024,480 | 819,317 | 2,844,402 | - | - | 7,688,199 |
| Restricted for postemployment benefits other than pensions | - | - | - | 351,380 | - | 351,380 |
| Restricted for other employee benefits | - | - | - | - | 3,758,631 | 3,758,631 |
| Total net position | 4,024,480 | 819,317 | 2,844,402 | 351,380 | 3,758,631 | 11,798,210 |
| Total liabilities and net position | \$ 4,033,224 | \$ 820,907 | \$ 2,857,770 | \$ 351,552 | \$ 3,759,352 | \$ 11,822,805 |

See Independent Auditors' Review Report and notes to the consolidated interim financial statements.

(A Component Unit of the State of New York)

SUPPLEMENTARY INFORMATION

Pension And Other Employee Benefit Trust Funds

Combining Statement of Changes in Fiduciary Net Position for the year ended December 31, 2019

| (\$ in thousands) | Pension Funds | | | Other Employee Benefit Trust Funds | | Total |
|--|------------------------------|----------------------|---------------------|------------------------------------|---------------------------------|----------------------|
| | Defined Benefit Pension Plan | LIRR Additional Plan | MaBSTOA Plan | Other Post-employment Benefit Plan | Deferred Compensation 401K Plan | |
| ADDITIONS: | | | | | | |
| Contributions: | | | | | | |
| Employer contributions | \$ 344,713 | \$ 62,774 | \$ 206,389 | \$ 660,539 | \$ 4,402 | \$ 1,278,817 |
| NonEmployer contributions | - | - | - | - | - | - |
| Implicit rate subsidy contribution | - | - | - | 69,618 | - | 69,618 |
| Participant rollovers | - | - | - | - | 23,941 | 23,941 |
| Member contributions | 31,504 | 249 | 23,552 | - | 298,185 | 353,490 |
| Total contributions | <u>376,217</u> | <u>63,023</u> | <u>229,941</u> | <u>730,157</u> | <u>326,528</u> | <u>1,725,866</u> |
| Investment income: | | | | | | |
| Net (depreciation) / appreciation in fair value of investments | 604,139 | 108,457 | 429,415 | 60,104 | 609,308 | 1,811,423 |
| Dividend income | 48,512 | 8,308 | 31,364 | 5,078 | - | 93,262 |
| Interest income | 12,628 | 2,216 | 10,534 | 248 | - | 25,626 |
| Less: Investment expenses | 18,015 | 3,642 | 27,530 | 1,783 | - | 50,970 |
| Investment income, net | <u>647,264</u> | <u>115,339</u> | <u>443,783</u> | <u>63,647</u> | <u>609,308</u> | <u>1,879,341</u> |
| Other additions: Loan repayments - interest | 0 | 0 | 0 | 0 | 8,979 | 8,979 |
| Total additions | <u>1,023,481</u> | <u>178,362</u> | <u>673,724</u> | <u>793,804</u> | <u>944,815</u> | <u>3,614,186</u> |
| DEDUCTIONS: | | | | | | |
| Benefit payments and withdrawals | 264,878 | 157,254 | 221,221 | 660,539 | - | 1,303,892 |
| Implicit rate subsidy payments | - | - | - | 69,618 | - | 69,618 |
| Transfer to other plans | 106 | - | - | - | 98,450 | 98,556 |
| Distribution to participants | - | - | - | - | 107,396 | 107,396 |
| Administrative expenses | 3,408 | 717 | 220 | 200 | 837 | 5,382 |
| Other deductions | - | - | - | - | 6,789 | 6,789 |
| Total deductions | <u>268,392</u> | <u>157,971</u> | <u>221,441</u> | <u>730,357</u> | <u>213,472</u> | <u>1,591,633</u> |
| Net increase (decrease) in fiduciary net position | 755,089 | 20,391 | 452,283 | 63,447 | 731,343 | 2,022,553 |
| NET POSITION: | | | | | | |
| Restricted for Benefits: | | | | | | |
| Beginning of year | 4,024,480 | 819,317 | 2,844,402 | 351,380 | 3,758,631 | 11,798,210 |
| End of year | <u>\$ 4,779,569</u> | <u>\$ 839,708</u> | <u>\$ 3,296,685</u> | <u>\$ 414,827</u> | <u>\$ 4,489,974</u> | <u>\$ 13,820,763</u> |

See Independent Auditors' Review Report and notes to the consolidated interim financial statements.

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SUPPLEMENTARY INFORMATION

Pension And Other Employee Benefit Trust Funds

Combining Statement of Changes in Fiduciary Net Position for the year ended December 31, 2018

| (\$ in thousands) | Pension Funds | | | Other Employee Benefit Trust Funds | | Total |
|---|------------------------------|----------------------|---------------------|------------------------------------|---------------------------------|----------------------|
| | Defined Benefit Pension Plan | LIRR Additional Plan | MaBSTOA Plan | Other Post-employment Benefit Plan | Deferred Compensation 401K Plan | |
| ADDITIONS: | | | | | | |
| Contributions: | | | | | | |
| Employer contributions | \$ 338,967 | \$ 59,500 | \$ 205,433 | \$ 616,638 | \$ 4,392 | \$ 1,224,930 |
| Implicit rate subsidy contribution | - | - | - | 74,484 | - | 74,484 |
| Participant rollovers | - | - | - | - | 21,673 | 21,673 |
| Member contributions | 29,902 | 333 | 21,955 | - | 283,818 | 336,008 |
| Total contributions | <u>368,869</u> | <u>59,833</u> | <u>227,388</u> | <u>691,122</u> | <u>309,883</u> | <u>1,657,095</u> |
| Investment income: | | | | | | |
| Net appreciation/ (depreciation) in fair value of investments | (169,255) | (35,344) | (97,896) | (22,591) | (139,054) | (464,140) |
| Dividend income | 56,670 | 11,441 | 37,259 | 5,203 | - | 110,573 |
| Interest income | 9,254 | 1,715 | 7,891 | 161 | - | 19,021 |
| Less: Investment expenses | 47,091 | 8,910 | 35,206 | 1,689 | - | 92,896 |
| Investment income, net | <u>(150,422)</u> | <u>(31,098)</u> | <u>(87,952)</u> | <u>(18,916)</u> | <u>(139,054)</u> | <u>(427,442)</u> |
| Other additions: Loan repayments - interest | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>7,529</u> | <u>7,529</u> |
| Total additions | <u>218,447</u> | <u>28,735</u> | <u>139,436</u> | <u>672,206</u> | <u>178,358</u> | <u>1,237,182</u> |
| DEDUCTIONS: | | | | | | |
| Benefit payments and withdrawals | 242,149 | 159,565 | 213,827 | 616,638 | - | 1,232,179 |
| Implicit rate subsidy payments | - | - | - | 74,484 | - | 74,484 |
| Transfer to other plans | 200 | - | - | - | 93,187 | 93,387 |
| Distribution to participants | - | - | - | - | 87,379 | 87,379 |
| Administrative expenses | 3,152 | 1,180 | 196 | 56 | 721 | 5,305 |
| Other deductions | - | - | - | - | 5,410 | 5,410 |
| Total deductions | <u>245,501</u> | <u>160,745</u> | <u>214,023</u> | <u>691,178</u> | <u>186,697</u> | <u>1,498,144</u> |
| Net increase (decrease) in fiduciary net position | <u>(27,054)</u> | <u>(132,010)</u> | <u>(74,587)</u> | <u>(18,972)</u> | <u>(8,339)</u> | <u>(260,962)</u> |
| NET POSITION: | | | | | | |
| Restricted for Benefits: | | | | | | |
| Beginning of year | <u>4,051,534</u> | <u>951,327</u> | <u>2,918,989</u> | <u>370,352</u> | <u>3,766,970</u> | <u>12,059,172</u> |
| End of year | <u>\$ 4,024,480</u> | <u>\$ 819,317</u> | <u>\$ 2,844,402</u> | <u>\$ 351,380</u> | <u>\$ 3,758,631</u> | <u>\$ 11,798,210</u> |

See Independent Auditors' Review Report and notes to the consolidated interim financial statements.

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SUPPLEMENTARY INFORMATION
**SCHEDULE OF CONSOLIDATED RECONCILIATION BETWEEN FINANCIAL PLAN
 AND FINANCIAL STATEMENTS FOR THE YEAR ENDED DECEMBER 31, 2019**

(\$ in millions)

| Category | Financial Plan | Statement | Variance |
|--|-------------------|-------------------|---------------|
| | Actual | GAAP Actual | |
| REVENUE: | | | |
| Farebox revenue | \$ 6,346 | \$ 6,351 | \$ 5 |
| Vehicle toll revenue | 2,078 | 2,071 | (7) |
| Other operating revenue | 689 | 621 | (68) |
| Total revenue | 9,113 | 9,043 | (70) |
| OPERATING EXPENSES: | | | |
| Labor: | | | |
| Payroll | 5,334 | 5,331 | (3) |
| Overtime | 978 | 979 | 1 |
| Health and welfare | 1,342 | 1,263 | (79) |
| Pensions | 1,274 | 1,511 | 237 |
| Other fringe benefits | 898 | 848 | (50) |
| Postemployment benefits | 2,112 | 1,613 | (499) |
| Reimbursable overhead | (490) | (497) | (7) |
| Total labor expenses | 11,448 | 11,048 | (400) |
| Non-labor: | | | |
| Electric power | 452 | 444 | (8) |
| Fuel | 176 | 174 | (2) |
| Insurance | 7 | 1 | (6) |
| Claims | 418 | 494 | 76 |
| Paratransit service contracts | 488 | 477 | (11) |
| Maintenance and other | 815 | 686 | (129) |
| Professional service contract | 588 | 437 | (151) |
| Pollution remediation project costs | 6 | 42 | 36 |
| Materials and supplies | 632 | 647 | 15 |
| Other business expenses | 229 | 222 | (7) |
| Total non-labor expenses | 3,811 | 3,624 | (187) |
| Depreciation | 2,777 | 2,870 | 93 |
| Other expenses adjustment | 158 | - | (158) |
| Net expenses related to asset impairment | - | 1 | 1 |
| Total operating expenses | 18,194 | 17,543 | (651) |
| NET OPERATING LOSS | \$ (9,081) | \$ (8,500) | \$ 581 |

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SUPPLEMENTARY INFORMATION

**SCHEDULE OF CONSOLIDATED SUBSIDY ACCRUAL RECONCILIATION BETWEEN
FINANCIAL PLAN AND FINANCIAL STATEMENTS FOR THE YEAR ENDED DECEMBER 31, 2019**

(\$ in millions)

| Accrued Subsidies | Financial Plan Actual | Financial Statement GAAP Actual | Variance | |
|---|-----------------------------|---------------------------------------|-------------------|-----|
| Mass transportation operating assistance | \$ 1,824 | \$ 1,824 | \$ - | |
| Mass transit trust fund subsidies | 640 | 649 | 9 | {1} |
| Mortgage recording tax 1 and 2 | 447 | 468 | 21 | {1} |
| MRT transfer | (6) | (10) | (4) | {1} |
| Urban tax | 626 | 641 | 15 | {1} |
| State and local operating assistance | 376 | 429 | 53 | {1} |
| Station maintenance | 175 | 171 | (4) | {1} |
| Connecticut Department of Transportation (CDOT) | 130 | 136 | 6 | {1} |
| Subsidy from New York City for MTA Bus and SIRTOA | 622 | 564 | (58) | {1} |
| Build American Bonds Subsidy | - | 89 | 89 | {1} |
| Mobility tax | 2,114 | 2,133 | 19 | {1} |
| Assistance Fund (For hire vehicle) | 342 | 375 | 33 | {1} |
| Real Property Transfer Tax Surcharge (Mansion Tax) | 137 | 74 | (63) | {1} |
| Internet Marketplace Tax | 71 | 85 | 14 | {1} |
| Transfer to Central Business District Capital Lockbox | (208) | - | 208 | {1} |
| Other non-operating income | (3) | (371) | (368) | {2} |
| Total accrued subsidies | 7,287 | 7,257 | (30) | |
| Net operating deficit before subsidies and debt service | (9,081) | (8,500) | 581 | |
| Debt Service | (2,664) | (1,557) | 1,107 | |
| Conversion to Cash basis: Depreciation | 2,777 | - | (2,777) | |
| Conversion to Cash basis: OPEB Obligation | 1,457 | - | (1,457) | |
| Conversion to Cash basis: GASB 68 pension adjustment | (221) | - | 221 | |
| Conversion to Cash basis: Pollution & Remediation | 6 | - | (6) | |
| Total net operating surplus/(deficit) before appropriations, grants and other receipts restricted for capital projects | <u>\$ (439)</u> | <u>\$ (2,800)</u> | <u>\$ (2,361)</u> | |

{1} The Financial Plan records on a cash basis while the Financial Statement records on an accrual basis.

{2} The Financial Plan records do not include other non-operating income or changes in market value.

{3} The Financial Plan records do not include other non-operating subsidy or expense for the refunding of NYS Service Contract Bonds.

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SUPPLEMENTARY INFORMATION

**SCHEDULE OF FINANCIAL PLAN TO FINANCIAL STATEMENTS RECONCILIATION
RECONCILING ITEMS**

FOR THE YEAR ENDED DECEMBER 31, 2019

(\$ in millions)

| | |
|---|--------------------------|
| Financial Plan Actual Operating Loss at December 31, 2019 | \$ (9,081) |
| | |
| The Financial Plan Actual Includes: | |
| 1 Higher other operating revenues | (70) |
| 2 Higher labor expense primarily from higher OPEB expense projections, | 400 |
| 3 Higher non-labor expense primarily from higher professional service contracts | 187 |
| 4 Other expense adjustments | 64 |
| Total operating reconciling items | <u>581</u> |
| | |
| Financial Statements Operating Loss at December 31, 2019 | <u>(8,500)</u> |
| | |
| Financial Plan Deficit after Subsidies and Debt Service | (439) |
| | |
| The Financial Plan Actual Includes: | |
| 1 Debt service bond principal payments | 1,107 |
| 2 Adjustments for non-cash liabilities: | |
| Depreciation | (2,777) |
| Unfunded OPEB expense | (1,457) |
| Unfunded GASB No. 68 pension adjustment | 221 |
| Other non-cash liability adjustment | <u>(6)</u> |
| | (4,019) |
| The Financial Statement includes: | |
| 3 Lower subsidies and other non-operating revenues and expenses | (30) |
| 4 Total operating reconciling items (from above) | <u>581</u> |
| | |
| Financial Statement Loss Before Capital Appropriations | <u>\$ (2,800)</u> |

FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY

2020 Annual Board Meeting

May 20, 2020

New York State Insurance Captive of



FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY

ANNUAL BOARD MEETING

May 20, 2020

NOTICE

The 2020 Board of Directors of First Mutual Transportation Assurance Company (“FMTAC”) will be held at 2 Broadway, 20th Floor, New York, NY on May 20, 2020.

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FMTAC NEWSLETTER



First Mutual Transportation Assurance Company 2020 Annual Meeting Update

MTA Risk and Insurance Management presents the following update for First Mutual Transportation Assurance Company (“FMTAC”) for the year ended December 31, 2019. The comparative financial statements and supporting schedules as of the same date accompany this report.

REGULATORY COMPLIANCE

CURRENT BUSINESS PLAN – The First Mutual Transportation Assurance Company (“FMTAC”) is a New York captive insurance company. FMTAC is approved to insure and reinsure the risks of the Metropolitan Transportation Authority (“MTA”) and its family of agencies. FMTAC provides the following lines of coverage to the MTA and its agencies:

| | |
|--|------------------------------|
| General Liability | Stations and Force Liability |
| Auto Liability – Paratransit and Non Revenue | Property and Terrorism |
| All Agency Protective Liability | All Agency Excess Liability |
| Owner Controlled Insurance Program (“OCIP”) | Builder’s Risk |

FMTAC CALENDAR:

| <i>Description</i> | <i>Completion / Due Date</i> | <i>Comments</i> |
|---|----------------------------------|---------------------------------|
| 2019 New York Annual Statement | 28-Feb-20 | Filed with NYSDFS |
| 2019 Loss Reserve Certification | 28-Feb-20 | Filed with NYSDFS |
| 2019 Audited Financial Statements | TBD | To be filed with NYSDFS |
| 2020 NY Insurance License | In progress | To be filed with NYSDFS |
| 2020 NY Annual Meeting | 20-May-20 | Scheduled |
| 2020 Actuarial Reserve Review - Initial | 30-Sep-20 | To be performed by Oliver Wyman |
| 2020 Actuarial Reserve Review - Final | 31-Dec-20 | To be performed by Oliver Wyman |
| 2020 Policy Issuance | Ongoing | Various Renewal dates |
| 2020 Monthly Accounting Submission | 5 days | After Month End |
| NY Premium Tax Return | N/A | Exempted * |
| NY Section 206 Assessments | N/A | Exempted * |

(*) - FMTAC is excluded from all state premium tax and assessments levied by the New York State Department of Financial Services ("NYSDFS")

FINANCIAL ACTIVITY

Summary of Selected Financial Information

(in thousands), except ratios

| Period Ended | 12/31/19 | 12/31/18 | 12/31/17 | 12/31/16 |
|---|----------------|----------------|----------------|------------------|
| Balance Sheet: | | | | |
| Cash and Invested Assets | \$ 883,114 | \$ 810,767 | \$ 685,006 | \$ 637,688 |
| Reinsurance Recoverable | 12,601 | 12,174 | 12,245 | 298,490 |
| Other Assets | 75,213 | 155,386 | 196,944 | 120,476 |
| Total Assets | 970,928 | 978,327 | 894,195 | 1,056,654 |
| Insurance Reserves | 542,709 | 495,628 | 450,623 | 419,430 |
| Other Liabilities | 209,515 | 276,553 | 262,026 | 459,291 |
| Total Liabilities | 752,224 | 772,181 | 712,649 | 878,721 |
| Total Equity | 218,704 | 206,146 | 181,546 | 177,933 |
| Unrealized Gain / (Loss) on Invt | 21,884 | (597) | 12,178 | 8,020 |
| Income Statement: | | | | |
| Premium Written | \$ 115,852 | \$ 208,131 | \$ 280,459 | \$ 238,127 |
| Premium Earned | 128,623 | 154,268 | 133,826 | 162,559 |
| Net Investment Income | 24,665 | 25,351 | 13,998 | 10,111 |
| Losses and LAE Incurred Exp | 146,434 | 126,929 | 129,227 | 124,134 |
| Other Underwriting and Operating Exp. | 16,737 | 15,315 | 19,142 | 15,464 |
| Net Income / (Net Loss) | (9,883) | 37,375 | (545) | 33,072 |
| Mov't in Unrealized Gain / (Loss) on Invt | 22,441 | (12,775) | 4,158 | 2,693 |
| Ratios: | | | | |
| Loss Ratio | 113.8% | 82.3% | 96.6% | 76.4% |
| Expense Ratio | 13.0% | 9.9% | 14.3% | 9.5% |
| Combined Ratio | 126.9% | 92.2% | 110.9% | 85.9% |

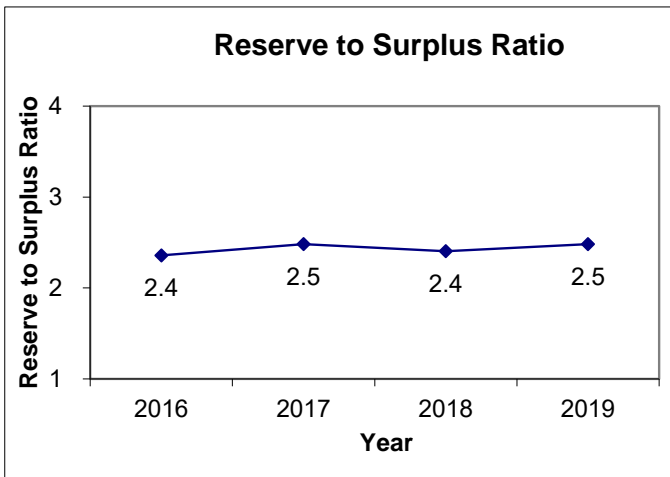
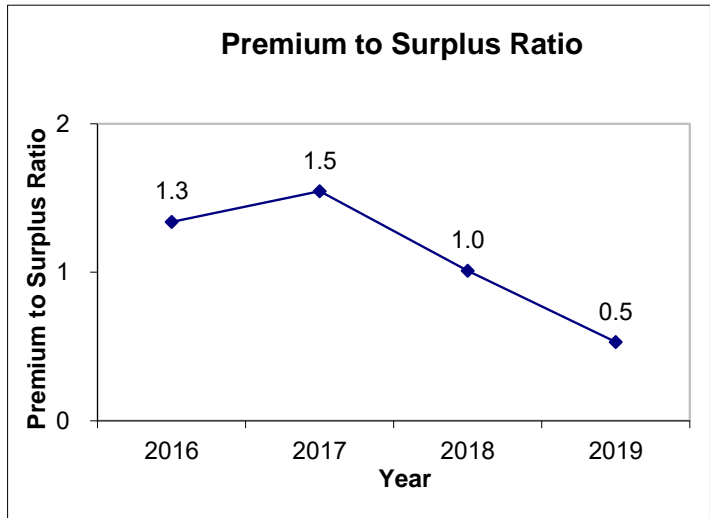
- **Total assets** have decreased by \$7.4 million (.8%) and **Total liabilities** have decreased by \$20.0 million (2.6%) during 2019. The fluctuation in the total assets was the net result of an increase in investments offset by a decrease in premium receivable due from affiliates. Investments increased primarily due to collateral funding of Owner Controlled Insurance Program (“OCIP”) trust accounts and unrealized gains. This was offset by a decrease in premium receivable due to payment of the OCIP premiums. The decrease in liabilities is primarily due to a decrease in unearned premium offset by an increase to the actuarial determined loss and loss adjustment expense liability. Loss and loss adjustment expense liability increased primarily due to additional reserves related to the paratransit, OCIP and excess loss programs and partially offset by a decrease in the LIRR stations program..
- **Total equity** was \$218.7 million at year end 2019, which included a \$21.9 million unrealized gain on investments. Total equity increased \$12.6 million (6.1%) from 2018. Net Income decreased \$47.3 million and unrealized gain/loss on investments increased by \$22.4 million.
- **Premium written** was \$115.9 million, which decreased \$92.3 million (44.3%) from 2018. The decrease is primarily due to no OCIP casualty and builder’s risk programs being written in 2019. **Premium earned** was \$128.6 million for 2019, which was \$25.6 million (16.6%) lower than 2018. The decrease is a result of lower earned premium on OCIP policies. The OCIP policies earn premium based on percentage of completion of construction projects.
- **Net investment income earned** was \$24.7 million for 2019, which was \$0.7 million (2.7%) less than 2018.
- **Losses and LAE incurred expenses (“incurred expense”)** were \$146.4 million for 2019 which increased by \$19.5 million (15.4%) when compared to 2018. The increase is attributable to increased expense for the OCIP policies.

KEY RATIOS

➤ **Premium-to-Surplus Ratio** is a measure of an insurer's financial strength and future solvency. It measures the adequacy of an insurer's surplus, relative to its operating exposure. A 5:1 ratio or lower is suggested in the captive industry. A low ratio indicates there is surplus to support future premium written.

Calculation: Premium Written divided by Total Equity. The terms "Equity" and "Surplus" are used interchangeably.

Conclusion: FMTAC, with a Premium-to-Surplus ratio of 0.5:1 in 2019, is operating well within the industry recommended accepted range of 5:1 or lower.



➤ **Reserves-to-Surplus Ratio** measures how much the insurer's surplus and capital may be impaired if loss reserves are undervalued. A 10:1 ratio or lower is suggested in the captive industry. A low ratio indicates there is surplus to support future negative fluctuations in loss reserves.

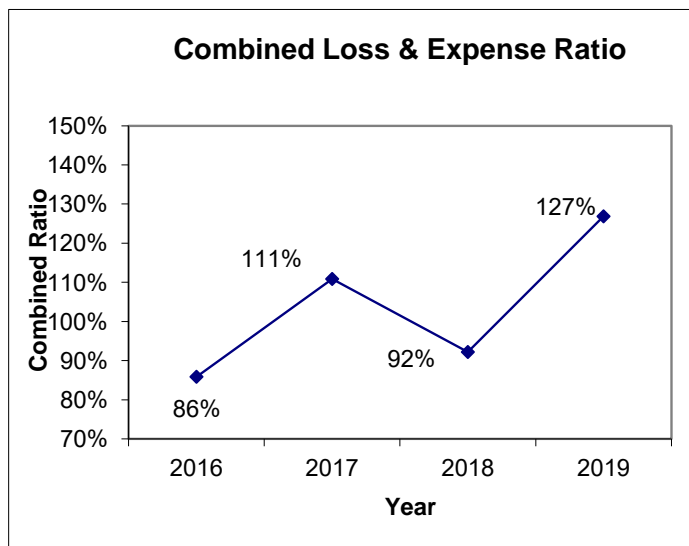
Calculation: Total Insurance Reserves divided by Total Equity.

Conclusion: FMTAC, with a Reserve-to-Surplus ratio of 2.5:1 in 2019, remains within the industry recommended accepted range of 10:1 or lower.

➤ **Combined Claim Loss and Operating Expense Ratio** measures the percentage of premium dollars spent on claim losses and operating expenses. When the combined ratio is under 100%, incurred losses and operating expenses are at or under expected levels. When the ratio is over 100%, incurred losses and expenses are higher than expected.

Calculation: Losses and LAE Incurred plus Other Underwriting and Operating Expense divided by Premium Earned.

Conclusion: In 2019, there was an increase in the ratio to 127%, which is due to an increase in Losses and LAE Incurred (numerator) and a decrease in Premium Earned from the OCIP (denominator).

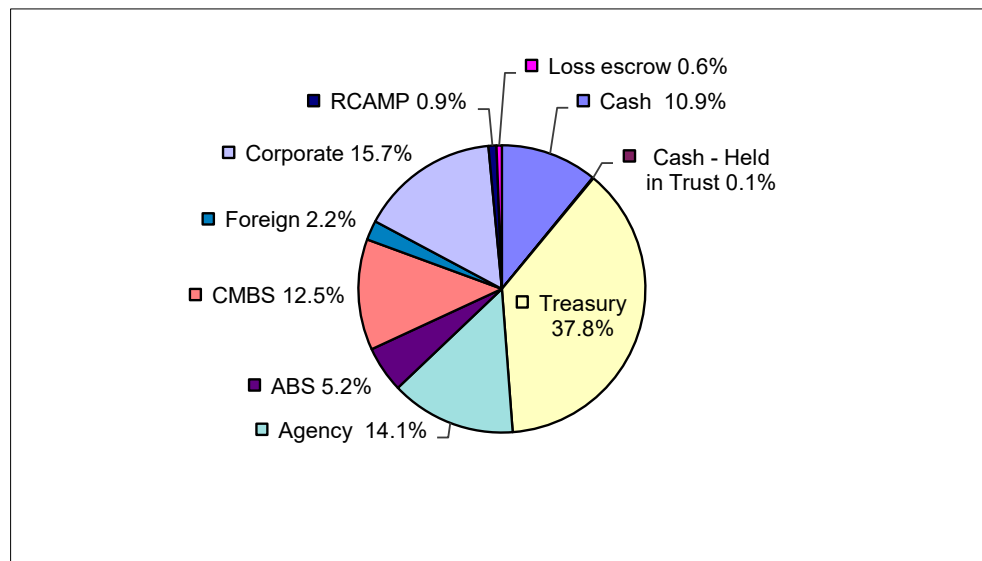


INVESTMENTS

At December 31, 2019, FMTAC held \$883.1 million in cash, investments, loss trust or escrow accounts. At December 31, 2019, BlackRock Financial Management, Inc. assumed the investment advisory services to FMTAC. For a detailed investment report, please see “Investment Report” section of the meeting book.

| Investment Type | MV % | Dec 31, 2019 Market Value (in thousands) |
|---------------------------------------|---------------|--|
| Cash and Cash Equivalents | 11.0% | 97,347 |
| Cash - Held in Trust | 0.1% | 1,220 |
| Treasury | 37.7% | 333,441 |
| Agency | 14.1% | 124,448 |
| Asset Backed Securities | 5.2% | 45,852 |
| Commercial Mortgage Backed Securities | 12.5% | 110,422 |
| Foreign Bonds | 2.2% | 18,995 |
| Corporate Bonds | 15.7% | 138,267 |
| OCIP Collateral ("RCAMP Trust") | 0.9% | 7,513 |
| Loss Escrows | 0.6% | 5,608 |
| Total | 100.0% | 883,113 |

Cash and Invested Assets at 12/31/19 Market Values



FINANCIAL STATEMENTS – MULTI YEAR COMPARATIVES

TAB 2

FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY
(A NEW YORK STATE WHOLLY OWNED INSURANCE SUBSIDIARY OF MTA)
COMPARATIVE BALANCE SHEET - AUDITED
FOR THE YEARS ENDED DECEMBER 31, 2019 TO DECEMBER 31, 2016

| | <u>Dec 31, 2019</u> | <u>Dec 31, 2018</u> | <u>Dec 31, 2017</u> | <u>Dec 31, 2016</u> |
|---|------------------------------|------------------------------|------------------------------|--------------------------------|
| ASSETS | | | | |
| Cash & Cash Equivalents | \$ 89,244,652 | \$ 97,894,023 | \$ 101,440,152 | \$ 74,003,750 |
| Cash & Investments - LOC Collateral | - | 11,470,576 | 13,253,527 | 18,105,522 |
| Investments & Security Trusts | 787,040,286 | 695,073,283 | 564,482,958 | 540,970,672 |
| Premium Receivable | 70,833,420 | 147,197,378 | 190,420,575 | 114,348,699 |
| Reinsurance Premium Deposit - MetroCat | 1,220,486 | 1,220,486 | 1,220,486 | - |
| Reinsurance Recoverable Receivable | - | - | - | 292,221,255 |
| Reinsurance Recoverable Reserve | 12,601,146 | 12,174,422 | 12,244,649 | 6,268,409 |
| Escrow Paid Loss Deposit Funds | 5,608,399 | 5,108,399 | 4,608,399 | 4,608,399 |
| Interest Income Receivable | 3,778,815 | 3,417,870 | 2,367,702 | 2,089,214 |
| Deferred Incentive Award Receivable | - | 4,736,809 | 3,912,607 | 4,010,649 |
| Deferred Losses Receivable - RCAMP | 599,169 | - | - | - |
| Prepaid Losses | - | - | 206,668 | - |
| Deferred Policy Acquisition Costs | 1,612 | 34,249 | 37,435 | 26,658 |
| TOTAL ASSETS | \$ <u>970,927,985</u> | \$ <u>978,327,498</u> | \$ <u>894,195,159</u> | \$ <u>1,056,653,227</u> |
| LIABILITIES | | | | |
| IBNR Loss Reserves | \$ 283,513,345 | 233,722,506 | \$ 240,689,713 | \$ 242,955,264 |
| Case Loss Reserves | 239,338,553 | 247,955,620 | 192,011,521 | 161,107,329 |
| Reserves - Deemed Recoverable | 12,601,145 | 12,174,422 | 12,244,649 | 6,268,409 |
| Deferred Losses Payable - RCAMP | 7,256,128 | 1,775,743 | 5,676,699 | 9,100,109 |
| Losses & LAE Payable | - | 6,461,546 | - | 305,669,616 |
| Unearned Premium Reserve (net of Deferred Reinsurance Premium) | 202,295,243 | 258,108,362 | 243,893,686 | 147,853,125 |
| Other Due | 5,711,286 | 5,650,571 | 7,007,211 | 4,904,332 |
| Ceded Premium Payable | 1,508,139 | 6,332,289 | 11,125,787 | 863,712 |
| TOTAL LIABILITIES | <u>752,223,839</u> | <u>772,181,059</u> | <u>712,649,266</u> | <u>878,721,896</u> |
| STOCKHOLDER'S EQUITY | | | | |
| Contributed Surplus - Cash | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 |
| Additional Policyholder Surplus | 77,668,919 | 77,668,919 | 77,668,919 | 77,668,919 |
| Retained Earnings | 126,074,507 | 88,699,005 | 89,242,507 | 56,171,856 |
| Net Income / (Net Loss) | (9,882,974) | 37,375,502 | (543,503) | 33,070,651 |
| Unrealized Gain / (Loss) on Investments | 21,843,694 | (596,987) | 12,177,970 | 8,019,904 |
| TOTAL STOCKHOLDER'S EQUITY | <u>218,704,146</u> | <u>206,146,439</u> | <u>181,545,893</u> | <u>177,931,331</u> |
| TOTAL LIABILITIES AND STOCKHOLDER'S EQUITY | \$ <u>970,927,985</u> | \$ <u>978,327,498</u> | \$ <u>894,195,159</u> | \$ <u>1,056,653,227</u> |

FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY
(A NEW YORK STATE WHOLLY OWNED INSURANCE SUBSIDIARY OF MTA)
COMPARATIVE INCOME STATEMENTS - AUDITED
FOR THE YEARS ENDED DECEMBER 31, 2019 TO DECEMBER 31, 2016

| | <u>Dec 31, 2019</u> | <u>Dec 31, 2018</u> | <u>Dec 31, 2017</u> | <u>Dec 31, 2016</u> |
|--|------------------------------|-----------------------------|----------------------------|-----------------------------|
| UNDERWRITING INCOME | | | | |
| Gross Written Premiums | | | | |
| Direct | \$ 115,628,466 | \$ 203,315,690 | \$ 275,353,926 | \$ 234,491,659 |
| Assumed | 223,488 | 4,815,411 | 5,104,688 | 3,635,119 |
| Total Written Premium | <u>115,851,954</u> | <u>208,131,101</u> | <u>280,458,614</u> | <u>238,126,778</u> |
| Premium Ceded | (43,075,054) | (39,887,195) | (51,278,683) | (52,255,886) |
| Net Retained Premium | <u>72,776,900</u> | <u>168,243,906</u> | <u>229,179,931</u> | <u>185,870,892</u> |
| Change in Unearned Premium - Net | 55,845,895 | (13,976,330) | (95,354,147) | (23,311,995) |
| Net Earned Premium | <u>128,622,795</u> | <u>154,267,576</u> | <u>133,825,784</u> | <u>162,558,897</u> |
| LOSS & LOSS ADJUSTMENT EXPENSES: | | | | |
| Paid Losses & LAE | 105,260,223 | 78,650,266 | 100,672,060 | 88,441,231 |
| Change in Case Reserves | (8,190,344) | 56,070,867 | 29,328,992 | (10,273,273) |
| Change in IBNR Loss Reserves | 49,364,117 | (7,792,359) | (773,844) | 45,965,963 |
| Total Incurred Losses & LAE | <u>146,433,996</u> | <u>126,928,774</u> | <u>129,227,208</u> | <u>124,133,921</u> |
| UNDERWRITING EXPENSES: | | | | |
| Safety & Loss Control | 9,165,589 | 5,968,555 | 9,965,025 | 3,340,802 |
| Commissions | (1,503,773) | (99,246) | 897,719 | 851,319 |
| Change in Deferred Acquisition Costs | 42,470 | 215,064 | 213,830 | 158,150 |
| Total Underwriting Expenses | <u>7,704,286</u> | <u>6,084,373</u> | <u>11,076,574</u> | <u>4,350,271</u> |
| NET UNDERWRITING INCOME / (LOSS) | (25,515,487) | 21,254,429 | (6,477,998) | 34,074,704 |
| OTHER EXPENSES | | | | |
| Risk Management Fees | 8,289,431 | 8,501,872 | 7,260,406 | 10,493,815 |
| Other Misc. Charges | 742,843 | 727,885 | 803,792 | 620,526 |
| Total Other Expenses | <u>9,032,274</u> | <u>9,229,757</u> | <u>8,064,198</u> | <u>11,114,341</u> |
| INCOME / (LOSS) BEFORE INVESTMENT INCOME | (34,547,761) | 12,024,672 | (14,542,196) | 22,960,364 |
| INVESTMENT INCOME | | | | |
| Investment Income | 24,664,787 | 25,350,830 | 13,998,693 | 10,110,288 |
| Total Investment Income | <u>24,664,787</u> | <u>25,350,830</u> | <u>13,998,693</u> | <u>10,110,288</u> |
| NET INCOME / (NET LOSS) | \$ <u>(9,882,974)</u> | \$ <u>37,375,502</u> | \$ <u>(543,503)</u> | \$ <u>33,070,651</u> |
| Mov't Unrealized Gain/(Losses) on Investments | 22,440,681 | (12,774,957) | 4,158,066 | 2,692,926 |
| Net Income / (Net Loss) per Audited Financial Statements | <u>\$ 12,557,707</u> | <u>\$ 24,600,545</u> | <u>\$ 3,614,563</u> | <u>\$ 35,763,578</u> |

DRAFT AUDITED FINANCIAL STATEMENTS

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**First Mutual Transportation
Assurance Company**

(Component Unit of the Metropolitan Transportation
Authority)

Financial Statements as of and for the Years
Ended December 31, 2019 and 2018, and
Independent Auditors' Report

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

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| FINANCIAL STATEMENTS AS OF AND FOR THE YEARS ENDED DECEMBER 31, 2019 AND 2018: | |
| Statements of Net Position | 8 |
| Statements of Revenues, Expenses and Changes in Net Position | 9 |
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INDEPENDENT AUDITORS' REPORT

To the Members of the Board of
Metropolitan Transportation Authority:

Report on the Financial Statements

We have audited the accompanying statements of net position of the First Mutual Transportation Assurance Company (the "Company"), a component unit of the Metropolitan Transportation Authority ("MTA"), as of December 31, 2019 and 2018, and the related statements of revenues, expenses and changes in net position and cash flows for the years then ended, and the related notes to the financial statements, which collectively comprise the Company's financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purposes of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

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Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the net position of the Company as of December 31, 2019 and 2018, and the respective changes in net position and cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, as listed in the table of contents, be presented to supplement the financial statements. Such information, although not a part of the financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the financial statements, and other knowledge we obtained during our audits of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

_____, 2020

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

MANAGEMENT'S DISCUSSION AND ANALYSIS (UNAUDITED) YEARS ENDED DECEMBER 31, 2019 AND 2018 (In thousands, except as noted)

OVERVIEW OF THE FINANCIAL STATEMENTS

Introduction—The following is a narrative overview and analysis of the financial activities of the First Mutual Transportation Assurance Company (the “Company” or “FMTAC”) for the years ended December 31, 2019 and 2018. This discussion and analysis is intended to serve as an introduction to the Company’s financial statements which have the following components: (1) Management’s Discussion and Analysis (“MD&A”), (2) Financial Statements and (3) Notes to the Financial Statements.

Management’s Discussion and Analysis—This MD&A provides an assessment of how the Company’s position has improved or deteriorated and identifies the factors that, in management’s view, significantly affected the Company’s overall financial position. It may contain opinions, assumptions or conclusions by the Company’s management that should not be considered a replacement for, and must be read in conjunction with, the financial statements.

The Financial Statements Include—The Statements of Net Position provide information about the nature and amounts of resources with present service capacity that FMTAC presently controls (assets), consumption of net assets by FMTAC that is applicable to a future reporting period (deferred outflow of resources), present obligations to sacrifice resources that FMTAC has little or no discretion to avoid (liabilities), and acquisition of net assets by FMTAC that is applicable to a future reporting period (deferred inflow of resources) with the difference between assets/deferred outflows of resources and liabilities/deferred inflows of resources being reported as net position.

The Statements of Revenues, Expenses and Changes in Net Position show how the Company’s net position changed during each year and accounts for all of the revenues and expenses, measures the success of the Company’s operations from an accounting perspective over the past year, and can be used to determine how the Company has funded its costs.

The Statements of Cash Flows provide information about the Company’s cash receipts, cash payments, and net changes in cash resulting from operations, noncapital financing, capital and related financing, and investing activities.

The Notes to the Financial Statements—The notes to the financial statements provide additional information that is essential for a full understanding of the information provided in the financial statements.

FINANCIAL REPORTING ENTITY

On December 5, 1997, the Metropolitan Transportation Authority (“MTA”) began its operation of its newly incorporated captive insurance company, FMTAC. FMTAC was created by the MTA to engage in the business of acting as a pure captive insurance company under Section 7005, Article 70 of the Insurance Law and Section 1266 Subdivision 5 of the Public Authorities Law of the State of New York. FMTAC’s mission is to continue, develop, and improve the insurance and risk management needs as required by the MTA. The MTA is a component unit of the State of New York.

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CONDENSED FINANCIAL INFORMATION

The following sections will discuss the significant changes in the Company's financial position for the years ended December 31, 2019 and 2018. Additionally, examinations of major economic factors that have contributed to these changes are provided. It should be noted that for purposes of the MD&A, summaries of the financial statements and the various exhibits presented are extracted from the Company's financial statements, which are presented in accordance with accounting principles generally accepted in the United States of America.

| (In thousands) | As of December 31, | | | Increase/(Decrease) | |
|-------------------|--------------------|-------------------|-------------------|---------------------|------------------|
| | 2019 | 2018 | 2017 | 2019-2018 | 2018-2017 |
| ASSETS | | | | | |
| CURRENT ASSETS | \$ 318,792 | \$ 434,726 | \$ 429,191 | \$ (115,934) | \$ 5,535 |
| NONCURRENT ASSETS | <u>652,135</u> | <u>543,601</u> | <u>465,003</u> | <u>108,534</u> | <u>78,598</u> |
| TOTAL ASSETS | <u>\$ 970,927</u> | <u>\$ 978,327</u> | <u>\$ 894,194</u> | <u>\$ (7,400)</u> | <u>\$ 84,133</u> |

Significant Changes in Assets

December 31, 2019 versus December 31, 2018

Total assets have decreased by \$7,400 or 0.8 percent, from December 31, 2018 to December 31, 2019. The fluctuation in the total assets of FMTAC was the net result of an increase investments offset by a decrease in premium receivable due from affiliates. Investments increased primarily due to collateral funding of Owner Controlled Insurance Programs ("OCIP") trust accounts and unrealized gains. The decrease in premiums receivable was due to the receipt of OCIP premiums from affiliates.

December 31, 2018 versus December 31, 2017

Total assets have increased by \$84,133 or 9.4 percent, from December 31, 2017 to December 31, 2018. The fluctuation in the total assets of FMTAC was the net result of an increase investments offset by a decrease in premium receivable due from affiliates. Investments increased mostly due to collateral funding of OCIP trust accounts. The decrease in premiums receivable was due to the partial payment of the OCIP premiums by the affiliates.

| (In thousands) | As of December 31, | | | Increase/(Decrease) | |
|-------------------------------------|--------------------|-------------------|-------------------|---------------------|------------------|
| | 2019 | 2018 | 2017 | 2019-2018 | 2018-2017 |
| LIABILITIES AND NET POSITION | | | | | |
| CURRENT LIABILITIES | \$ 270,314 | \$ 321,252 | \$ 306,520 | \$ (50,938) | \$ 14,732 |
| NONCURRENT LIABILITIES | 481,908 | 450,929 | 406,129 | 30,979 | 44,800 |
| RESTRICTED NET POSITION | <u>218,705</u> | <u>206,146</u> | <u>181,545</u> | <u>12,559</u> | <u>24,601</u> |
| TOTAL LIABILITIES AND NET POSITION | <u>\$ 970,927</u> | <u>\$ 978,327</u> | <u>\$ 894,194</u> | <u>\$ (7,400)</u> | <u>\$ 84,133</u> |

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Significant Changes in Liabilities

December 31, 2019 versus December 31, 2018

Total liabilities from December 31, 2018 to December 31, 2019 have decreased by \$19,959 or 2.6 percent. The decrease in liabilities is primarily due to a decrease in unearned premium offset by an increase to the actuarial determined loss and loss adjustment expense liability. Loss and loss adjustment expense liability increased primarily due to additional reserves related to the paratransit, OCIP and excess loss programs and partially offset by a decrease in the LIRR stations program.

December 31, 2018 versus December 31, 2017

Total liabilities from December 31, 2017 to December 31, 2018 have increased by \$59,532 or 8.4 percent. The increase in liabilities is primarily due to an increase in unearned premium and an increase to the actuarial determined loss and loss adjustment expense liability. Loss and loss adjustment expense liability increase primarily due to additional reserves related to the excess loss program.

Significant Changes in Net Position

December 31, 2019 versus December 31, 2018

In 2019, the restricted net position increase of \$12,559 is comprised of operating revenues of \$128,623 and non-operating income of \$47,106, less operating expenses of \$163,170.

December 31, 2018 versus December 31, 2017

In 2018, the restricted net position increase of \$24,601 is comprised of operating revenues of \$154,268 and non-operating income of \$12,576, less operating expenses of \$142,243.

Condensed Statements of Revenues, Expenses and Changes in Net Position

| (In thousands) | 2019 | 2018 | 2017 | Increase/(Decrease) | |
|---|-------------------|-------------------|-------------------|---------------------|------------------|
| | | | | 2019-2018 | 2018-2017 |
| OPERATING REVENUES | \$ 128,623 | \$ 154,268 | \$ 133,826 | \$ (25,645) | \$ 20,442 |
| OPERATING EXPENSES | <u>163,170</u> | <u>142,243</u> | <u>148,371</u> | <u>20,927</u> | <u>(6,128)</u> |
| OPERATING INCOME/(LOSS) | (34,547) | 12,025 | (14,545) | (46,572) | 26,570 |
| NON-OPERATING INCOME / (LOSS) | <u>47,106</u> | <u>12,576</u> | <u>18,157</u> | <u>34,530</u> | <u>(5,581)</u> |
| CHANGE IN NET POSITION | 12,559 | 24,601 | 3,612 | (12,042) | 20,989 |
| RESTRICTED NET POSITION— Beginning of year | <u>206,146</u> | <u>181,545</u> | <u>177,933</u> | <u>24,601</u> | <u>3,612</u> |
| RESTRICTED NET POSITION— End of year | <u>\$ 218,705</u> | <u>\$ 206,146</u> | <u>\$ 181,545</u> | <u>\$ 12,559</u> | <u>\$ 24,601</u> |

Operating Revenues—The decrease of \$25,645 or 16.6 percent, over the 2018 operating revenues is primarily due to a decreased in earned premium from the OCIP casualty programs compared to prior years. Earned premium for OCIP casualty programs are based on completion of the project construction.

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The increase of \$20,442 or 15.3 percent, over the 2017 operating revenues is primarily due to an increased in earned premium from the OCIP casualty programs compared to prior years. Earned premium for OCIP casualty programs are based on completion of the project construction.

Operating Expenses—Operating expenses between 2018 and 2019 increased by 14.7 percent, or \$20,927. The increase was primarily due to an increase in loss and loss adjustment expenses primarily with the OCIP program.

Operating expenses between 2017 and 2018 decreased by 4.1 percent, or \$6,128. The decrease was primarily due to a decrease in underwriting expenses primarily due to the end of payments for safety expenses for the OCIP Second Avenue Subway project.

Non-operating Income—Non-operating income between 2018 and 2019 increased by 274.6 percent, or \$34,530. This is a result of an increase in income primarily from net unrealized gains on investments held by FMTAC.

Non-operating income between 2017 and 2018 decreased by 30.7 percent, or \$5,581. This is a result of a decrease in income primarily from net unrealized gains on investments held by FMTAC partially offset an increase in realized investment income.

OVERALL FINANCIAL POSITION AND RESULTS OF OPERATIONS AND IMPORTANT ECONOMIC CONDITIONS

Results of Operations—Operating as a pure captive insurance company domiciled in the State of New York requires that all business plans and changes to said plans be reviewed and approved by the New York Insurance Department. As of December 31, 2019, all programs administered by FMTAC have been reviewed and approved.

As of December 31, 2019 and 2018, FMTAC received its annual loss reserve certification. The actuary determined that reserves recorded by FMTAC were adequate and no adjustments were deemed necessary.

U.S. Insurance Market—A.M. Best estimates the US industry had net catastrophe losses of \$27.6 billion in 2019, down from \$37 billion in 2018. Best expects pre-tax operating income to rebound to nearly \$65 billion for 2019 driven by underwriting gains and moderately higher net investment income. Due to higher unrealized gains on the industry's equity holdings, they anticipate a \$93 billion increase in policyholders' surplus to \$858 billion.

CURRENTLY KNOWN FACTS, DECISIONS OR CONDITIONS

MTA Long Island Rail Road—New Hyde Park Collision. On October 8, 2016 while the MTA Long Island Rail Road was conducting track work east of the New Hyde Park Station on track placed out of service, a piece of track equipment derailed fouling live track and was struck by a train carrying passengers, causing the passenger train to derail. The majority of the personal injury claims appear to be soft-tissue, with a few fractures and Post Traumatic Stress Disorder claims. The most seriously injured claimant allegedly sustained two fractured legs, requiring five surgeries to date. The current outstanding reserves are \$4.9 million; which is in excess of the Force \$11 million policy limits.

MTA Long Island Rail Road - Atlantic Terminal Bumper Block Strike. An incident occurred on January 4, 2017 when an MTA Long Island Rail Road Far Rockaway Line train struck a bumper block in the Atlantic Terminal-Brooklyn Station. At this time, there does not appear to be any catastrophic injuries stemming from this incident with worst injuries seen so far are bone fractures and various trauma to the head/neck. If plaintiffs are successful in their claims against MTA Long Island Rail Road,

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damages could impact FMTAC and excess layers of insurance. The current outstanding reserves are \$9.1 million; which is in excess of the Stations \$11 million policy limits.

NYCTA Bicycle Case- On April 10, 2016, the Plaintiff rode his bicycle, through a cordoned off construction site beneath the elevated BMT line on Broadway in Bushwick, Brooklyn. The MTA New York City Transit Authority was replacing rotted cross ties and lowering them into a designated “drop zone.” Plaintiff was hit by a discarded tie that was being dropped to the ground per MTA New York City Transit Authority protocols. Plaintiff sustained severe and permanent injuries including paraplegia. A Kings County jury found the MTA New York City Transit Authority 100% liable and returned a \$110 million verdict. The Authority has a reasonable chance of persuading the trial court to order a new trial. FMTAC writes an all agency excess liability policy for \$50 million per occurrence in- excess of the MTA New York Transit Authority’s \$11 million self-insured retention. If the case is not settled, litigation is likely to continue for at least 3 years. The FMTAC excess liability policy covering October 31, 2015-October 31, 2016 would be responsible for any settlement up to \$40 million excess of the Agency retention of \$11 million.

Terrorism Risk Insurance Act—Effective November 26, 2002, the Terrorism Risk Insurance Act (“TRIA”) was signed in to law. Effective December 22, 2006, TRIA was extended through December 31, 2007. On December 31, 2007, the U.S. Treasury Department issued Interim Guidance Concerning the Terrorism Risk Insurance Program Reauthorization Act of 2007 (“TRIPRA”) which has been extended through December 31, 2014. On January 12, 2015, TRIA was extended through December 31, 2020. In December 2019, TRIA was extended through to December 31, 2027. For additional information, please refer to the property section under Note 5.

Impacts from Global Coronavirus Pandemic - On March 12, 2020, the World Health Organization declared the current novel coronavirus (“COVID-19”) outbreak to be a pandemic in the face of the global spread of the virus. By order of Governor Cuomo (“New York State on PAUSE”), effective March 2020, all non-essential businesses Statewide were required to be closed, among other restrictive social distancing and related measures.

- The initial impact of social distancing and Governor Cuomo’s PAUSE Executive Order resulted in a severe decline in the utilization of MTA services.
- Dramatic declines in MTA public transportation system ridership will have a negative impact on the Company’s revenue as some premiums are based on ridership, traffic on platforms and percentage of completion of construction projects. The steep fall in ridership volume, as well as the temporary suspension of certain construction projects reflects the initial impact of social distancing and subsequent State governmental orders limiting non-essential activities caused by the COVID-19 pandemic.
- Due to steep decrease in revenue of the MTA, there may be delays in the collection of premiums. The collectability of these premiums from the MTA still appear to be reasonably assured.
- The ultimate extent of the COVID-19 outbreak on the Company’s financial position cannot be reasonably estimated at this time.

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

STATEMENTS OF NET POSITION DECEMBER 31, 2019 AND 2018 (In thousands)

| | 2019 | 2018 |
|--|-------------------|-------------------|
| ASSETS | | |
| CURRENT ASSETS: | | |
| Cash and cash equivalents (Note 3) | \$ 104,175 | \$ 112,469 |
| Investments (Note 4) | 132,490 | 157,209 |
| Funds held by reinsurer (Note 5) | 7,513 | 14,399 |
| Premiums receivable due from affiliates (Note 7) | 70,833 | 147,197 |
| Interest income receivable (Note 4) | 3,779 | 3,418 |
| Other assets | <u>2</u> | <u>34</u> |
| Total current assets | <u>318,792</u> | <u>434,726</u> |
| NONCURRENT ASSETS: | | |
| Investments (Note 4) | 638,935 | 526,690 |
| Reinsurance recoverable | 12,601 | 12,174 |
| Incentive reward receivable | - | 4,737 |
| Owner Controlled Insurance Programs asset | <u>599</u> | <u>-</u> |
| Total noncurrent assets | <u>652,135</u> | <u>543,601</u> |
| TOTAL ASSETS | <u>\$ 970,927</u> | <u>\$ 978,327</u> |
| LIABILITIES AND NET POSITION | | |
| CURRENT LIABILITIES: | | |
| Unearned premiums | \$ 202,295 | \$ 258,108 |
| Ceded premium payable | 1,508 | 6,332 |
| Loss and loss adjustment expense liability (Note 6) | 53,545 | 49,385 |
| Losses payable | 7,256 | 1,776 |
| Due to affiliates | 4,130 | 4,088 |
| Accrued expenses | <u>1,580</u> | <u>1,563</u> |
| Total current liabilities | <u>270,314</u> | <u>321,252</u> |
| NONCURRENT LIABILITIES: | | |
| Loss and loss adjustment expense liability (Note 6) | 469,307 | 432,293 |
| Reinsurance recoverable reserves (Note 6) | 12,601 | 12,174 |
| Owner Controlled Insurance Programs liability (Note 5) | <u>-</u> | <u>6,462</u> |
| Total noncurrent liabilities | <u>481,908</u> | <u>450,929</u> |
| Total liabilities | 752,222 | 772,181 |
| RESTRICTED NET POSITION | <u>218,705</u> | <u>206,146</u> |
| TOTAL LIABILITIES AND NET POSITION | <u>\$ 970,927</u> | <u>\$ 978,327</u> |

See notes to financial statements.

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION YEARS ENDED DECEMBER 31, 2019 AND 2018 (In thousands)

| | 2019 | 2018 |
|---|-------------------|-------------------|
| OPERATING REVENUES: | | |
| Gross premiums written | \$ 115,852 | \$ 208,131 |
| Premiums ceded | (43,075) | (39,887) |
| Change in unearned premiums | <u>55,846</u> | <u>(13,976)</u> |
| Total operating revenues | <u>128,623</u> | <u>154,268</u> |
| OPERATING EXPENSES: | | |
| Loss and loss adjustment | 146,434 | 126,929 |
| Underwriting | 7,704 | 6,084 |
| General and administrative | <u>9,032</u> | <u>9,230</u> |
| Total operating expenses | <u>163,170</u> | <u>142,243</u> |
| OPERATING (LOSS)/INCOME | <u>(34,547)</u> | <u>12,025</u> |
| NON-OPERATING INCOME: | | |
| Net investment income | <u>47,106</u> | <u>12,576</u> |
| Total non-operating income | <u>47,106</u> | <u>12,576</u> |
| CHANGE IN NET POSITION | 12,559 | 24,601 |
| RESTRICTED NET POSITION—Beginning of year | <u>206,146</u> | <u>181,545</u> |
| RESTRICTED NET POSITION—End of year | <u>\$ 218,705</u> | <u>\$ 206,146</u> |

See notes to financial statements.

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

STATEMENTS OF CASH FLOWS YEARS ENDED DECEMBER 31, 2019 AND 2018 (In thousands)

| | 2019 | 2018 |
|--|-------------------|-------------------|
| CASH FLOWS FROM OPERATING ACTIVITIES: | | |
| Premiums and other receipts | \$ 144,349 | \$ 206,912 |
| Other operating expenses | <u>(111,862)</u> | <u>(94,354)</u> |
| Net cash provided by operating activities | <u>32,487</u> | <u>112,558</u> |
| CASH FLOWS FROM INVESTING ACTIVITIES: | | |
| Purchases of investments | (563,500) | (668,051) |
| Sales and maturities of investments | 501,864 | 498,767 |
| Earnings on investments | <u>20,855</u> | <u>24,300</u> |
| Net cash used in by investing activities | <u>(40,781)</u> | <u>(144,984)</u> |
| NET DECREASE IN CASH AND CASH EQUIVALENTS | (8,294) | (32,426) |
| CASH AND CASH EQUIVALENTS—Beginning of year | <u>112,469</u> | <u>144,895</u> |
| CASH AND CASH EQUIVALENTS—End of year | <u>\$ 104,175</u> | <u>\$ 112,469</u> |
| RECONCILIATION OF OPERATING (LOSS)/INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES: | | |
| Operating (loss)/income | \$ (34,547) | \$ 12,025 |
| Adjustments to reconcile to net cash used in operating activities: | | |
| Net (decrease)/increase in accounts payable, accrued expenses and other liabilities | (19,959) | 59,532 |
| Net decrease in receivables | <u>86,993</u> | <u>41,001</u> |
| Net cash provided by operating activities | <u>\$ 32,487</u> | <u>\$ 112,558</u> |

See notes to financial statements.

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FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY (Component Unit of the Metropolitan Transportation Authority)

NOTES TO FINANCIAL STATEMENTS YEARS ENDED DECEMBER 31, 2019 AND 2018 (In thousands, except as noted)

1. BASIS OF PRESENTATION

Reporting Entity—First Mutual Transportation Assurance Company (the “Company”), a component unit of the Metropolitan Transportation Authority (“MTA”), was incorporated under the laws of the State of New York (the “State”) as a pure captive insurance company on December 5, 1997, and commenced operations on that date. The Company was established to maximize the flexibility and effectiveness of the MTA’s insurance program and is governed by a Board of Directors consisting of members of the MTA. The Company’s financial position and results of operations are included in the MTA’s Comprehensive Annual Financial Report. The MTA is a component unit of the State of New York and is included in the State of New York’s Comprehensive Annual Financial Report of the Comptroller as a public benefit corporation.

FMTAC is operationally and legally independent of the MTA. FMTAC enjoys certain rights typically associated with separate legal status. However, FMTAC is included in the MTA’s consolidated financial statements as a blended component unit because of the MTA’s financial accountability, and FMTAC is under the direction of the MTA Board (a reference to “MTA Board” means the board of MTA and/or the boards of the FMTAC and other MTA component units that apply in the specific context, all of which are comprised of the same persons). Under accounting principles generally accepted in the United States of America (“GAAP”), the MTA is required to include FMTAC in its consolidated financial statements.

The New York captive insurance statute requires a \$250 minimum unimpaired paid-in-capital and surplus be maintained by a pure captive insurance company.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting—The accompanying financial statements are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America.

FMTAC applies Governmental Accounting Standards Board (“GASB”) Codification of Governmental Accounting and Financial Reporting Standards (“GASB Codification”) Section P80, *Proprietary Accounting and Financial Reporting*.

Use of Management’s Estimates—The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ significantly from those estimates.

Cash and Cash Equivalents—includes highly liquid investments with a maturity of three months or less when purchased. Cash equivalents are stated at amortized cost, which approximates fair value.

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Investments—Investments are recorded on the statement of net position at fair value, which is the amount at which a financial instrument could be exchanged in a current transaction between willing parties, other than in a forced or liquidation sale. All investment income, including changes in the fair value of investments, is reported as revenue (as either net investment income or unrealized gain (loss) on investments) on the statement of revenues, expenses and changes in net position.

Net Position—Net position is restricted for activities related to the payment of insurance claims.

Operating Revenues

Premiums—Earned premiums are determined over the term of their related policies, which approximates one year, or for certain Owner Controlled Insurance Programs (“OCIP”), as a percent of completed construction costs. Accordingly, an unearned premium liability is established for the portion of premiums written applicable to the unexpired period of policies in force or uncompleted construction projects. The Company does not directly pay premium taxes in accordance with its relationship with New York State.

Operating Expenses

Loss and Loss Adjustment Expenses—Loss and loss adjustment expenses are established for amounts estimated to settle incurred losses on individual cases and estimates for losses incurred but not reported.

Loss and loss adjustment expenses are based on loss estimates for individual claims and actuarial estimates and, therefore, the ultimate liabilities may vary from such estimates. Any adjustments to these estimates, which could be significant, will be reflected in income in the period in which the estimates are changed or payments are made.

Non-Operating Revenues and Expenses—Investment income and unrealized gain (loss) on investments account for FMTAC’s non-operating revenues and expenses.

Income Taxes—The Company is not subject to income taxes arising on profits since it is a component unit of the MTA. The MTA and its subsidiaries are exempt from income taxes.

3. CASH AND CASH EQUIVALENTS

At December 31, 2019 and 2018, cash and cash equivalents consisted of (in thousands):

| | 2019 | | 2018 | |
|--------------------|-------------------|-------------------|-------------------|-------------------|
| | Carrying Amount | Bank Balance | Carrying Amount | Bank Balance |
| Insured deposits | \$ 250 | \$ 250 | \$ 250 | \$ 250 |
| Loss escrows | 6,829 | 6,829 | 6,329 | 6,329 |
| Uninsured deposits | <u>97,096</u> | <u>97,096</u> | <u>105,890</u> | <u>105,890</u> |
| | <u>\$ 104,175</u> | <u>\$ 104,175</u> | <u>\$ 112,469</u> | <u>\$ 112,469</u> |

The Company is required to set aside funds in escrow accounts that are used to settle claims on behalf of the Company. The account balances of the loss escrow are \$6,829 and \$6,329 as of December 31, 2019 and 2018, respectively.

All other funds are invested by the Company as described in Note 4.

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4. INVESTMENTS

The fair value and cost basis of investments consist of the following at December 31, 2019 and 2018 (in thousands):

| | 2019 | | 2018 | |
|----------------------------|-------------------|-------------------|-------------------|-------------------|
| | Fair Value | Cost | Fair Value | Cost |
| Funds for claim payments | \$ 407,346 | \$ 393,437 | \$ 328,341 | \$ 328,942 |
| Security trust funds | 364,079 | 356,145 | 344,087 | 344,247 |
| Funds for letter of credit | - | - | 11,471 | 11,307 |
| | <u>\$ 771,425</u> | <u>\$ 749,582</u> | <u>\$ 683,899</u> | <u>\$ 684,496</u> |

All investments are registered and held by the Company or its agent in the Company's name.

The Company makes funds available to claims processors to allow for adequate funding for submitted claims. The funds, in the above table, are invested primarily in fixed income investments such as U.S. Government Bonds. All investments outlined above are restricted per the Statement of Net Position and are to be used to pay claims or pay administration expenses of the Company or as collateral for letter of credit obligations.

All funds of the Company not held as cash and cash equivalents are invested by the Company in accordance with the Company's investment guidelines. Investments may be further limited by individual security trust agreements. The Company's investment policies comply with the New York State Comptroller's guidelines for such policies. Those policies permit investments in fixed income securities that are investment grade or higher and the policy also allows for the investment in equities.

All investments are recorded on the Statements of Net Position at fair value and all investment income, including changes in the fair value of investments, is reported as revenue/(expense) on the Statements of Revenues, Expenses and Changes in Net Position. Fair values have been determined using quoted market values at December 31, 2019 and 2018.

The yield to maturity rate was 2.02% for the year ended December 31, 2019, and 3.05% for the year ended December 31, 2018. For the year ended December 31, 2019, the change in net unrealized gain/loss on investments was an increase of \$22,441. For the year ended December 31, 2018, the change in net unrealized gain/loss on investments was a decrease of \$12,775.

Interest Rate Risk and Investments at Fair Value

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of the investment. Duration is a measure of interest rate risk. The greater the duration of a bond or portfolio of bonds, the greater its price volatility will be in response to a change in interest rate risk and vice versa. Duration is an indicator of a bond price's sensitivity to 100 basis point change in interest rates. Duration is expressed as a number of years.

The Company categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure the fair value of the Company's investments. Level 1 inputs are quoted prices in active markets for identical assets. Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. Listed below are the recurring fair value measurements as of December 31, 2019 and 2018. Debt and equity securities classified in Level 1 of the fair value hierarchy are valued using prices quoted in active markets issued by pricing vendors for those securities.

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| (In thousands) | 2019 | | 2019 | | | |
|---------------------------------------|-------------------|------------------|-------------------|-------------------------|------------|----------|
| | Fair Value | Duration (years) | Total | Fair Value Measurements | | |
| Investment Type | | | | Level 1 | Level 2 | Level 3 |
| Treasury ⁽¹⁾ | \$ 335,057 | 4.18 | \$ 335,057 | \$ - | \$ 335,057 | \$ - |
| Agency ⁽²⁾ | 124,880 | 5.98 | 124,880 | - | 124,880 | - |
| Asset backed securities | 45,907 | 1.95 | 45,907 | - | 45,907 | - |
| Commercial mortgage backed securities | 110,704 | 3.85 | 110,704 | - | 110,704 | - |
| Foreign bonds | 19,166 | 6.25 | 19,166 | 19,166 | - | - |
| Corporate bonds | <u>139,490</u> | 4.56 | <u>139,490</u> | <u>139,490</u> | <u>-</u> | <u>-</u> |
| Total | 775,204 | | 775,204 | \$ 158,656 | \$ 616,548 | \$ - |
| Less accrued interest | <u>(3,779)</u> | | <u>(3,779)</u> | | | |
| Total investments | <u>\$ 771,425</u> | | <u>\$ 771,425</u> | | | |

Including but not limited to:

⁽¹⁾ U.S. Treasury Notes

⁽²⁾ Fannie Mae, Freddie Mac, Federal Home Loan Bank, Federal Home Loan Mortgage Corporation

| (In thousands) | 2018 | | 2018 | | | |
|---------------------------------------|-------------------|------------------|-------------------|-------------------------|------------|----------|
| | Fair Value | Duration (years) | Total | Fair Value Measurements | | |
| Investment Type | | | | Level 1 | Level 2 | Level 3 |
| Treasury ⁽¹⁾ | \$ 306,032 | 2.88 | \$ 306,032 | \$ - | \$ 306,032 | \$ - |
| Agency ⁽²⁾ | 105,233 | 5.90 | 105,233 | - | 105,233 | - |
| Asset backed securities | 45,302 | 1.94 | 45,302 | - | 45,302 | - |
| Commercial mortgage backed securities | 81,056 | 5.55 | 81,056 | - | 81,056 | - |
| Foreign bonds | 15,768 | 6.20 | 15,768 | 15,768 | - | - |
| Corporate bonds | <u>133,926</u> | 4.43 | <u>133,926</u> | <u>133,926</u> | <u>-</u> | <u>-</u> |
| Total | 687,317 | | 687,317 | \$ 149,694 | \$ 537,623 | \$ - |
| Less accrued interest | <u>(3,418)</u> | | <u>(3,418)</u> | | | |
| Total investments | <u>\$ 683,899</u> | | <u>\$ 683,899</u> | | | |

Including but not limited to:

⁽¹⁾ U.S. Treasury Notes

⁽²⁾ Fannie Mae, Freddie Mac, Federal Home Loan Bank, Federal Home Loan Mortgage Corporation

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Credit Risk—At December 31, 2019, the following credit quality rating has been assigned by a nationally recognized rating organization (in thousands):

| Quality Rating | Fair Value | Percentage of Fixed Income Portfolio |
|-------------------------------|-------------------|---|
| AAA | \$ 257,682 | 33.2 |
| AA | 33,246 | 4.3 |
| A | 88,234 | 11.4 |
| BBB | 41,392 | 5.3 |
| Not rated | <u>19,593</u> | <u>2.5</u> |
| Credit risk debt securities | 440,147 | 56.7 |
| U.S. Government bonds | <u>335,057</u> | <u>43.2</u> |
| Total fixed income securities | 775,204 | <u>100 %</u> |
| Less accrued interest | <u>(3,779)</u> | |
| Total investments | <u>\$ 771,425</u> | |

Credit Risk—At December 31, 2018, the following credit quality rating has been assigned by a nationally recognized rating organization (in thousands):

| Quality Rating | Fair Value | Percentage of Fixed Income Portfolio |
|-------------------------------|-------------------|---|
| AAA | \$ 224,702 | 32.7 % |
| AA | 31,381 | 4.6 |
| A | 75,953 | 11.1 |
| BBB | 38,442 | 5.6 |
| BB | 239 | - |
| Not rated | <u>10,568</u> | <u>1.5</u> |
| Credit risk debt securities | 381,285 | 55.5 |
| U.S. Government bonds | <u>306,032</u> | <u>44.5</u> |
| Total fixed income securities | 687,317 | <u>100 %</u> |
| Less accrued interest | <u>(3,418)</u> | |
| Total investments | <u>\$ 683,899</u> | |

5. INSURANCE PROGRAMS

Property Program—Effective May 1, 2019, FMTAC renewed the all-agency property insurance program. For the annual period commencing May 1, FMTAC directly insures property damage claims of the other MTA Group entities in excess of a \$25,000 per occurrence deductible, subject to an annual

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\$75,000 aggregate as well as certain exceptions summarized below. The total program is \$575,000 per occurrence covering property of the related entities collectively. FMTAC is reinsured in the domestic, Asian, London, European, and Bermuda marketplaces for this coverage. Losses occurring after the annual aggregate is exceeded are subject to a deductible of \$7,500 per occurrence. The property insurance policy provides replacement cost coverage for all risks (including Earthquake, Flood and Wind) of direct physical loss or damage to all real and personal property, with minor exceptions. The policy also provides extra expense and business interruption coverage.

FMTAC's property insurance program has been expanded to include a further layer of \$125,000 of fully collateralized earthquake coverage for an event of a certain index value and for storm surge coverage for losses from storm surges that surpass specified trigger levels in the New York Harbor or Long Island Sound and are associated with named storms that occur at any point in the three year period from May 23, 2017 to April 30, 2020. The expanded protection is reinsured by MetroCat Re Ltd. 2017-1, a Bermuda special purpose insurer independent from the MTA and formed to provide FMTAC with capital markets based property reinsurance. The MetroCat Re Ltd. 2017-1 reinsurance policy is fully collateralized by a Regulation 114 trust invested in U.S. Treasury Money Market Funds. The additional coverage provided is parametric and available for storm surge losses resulting from a storm that causes water levels that reach the specified index values, and also for an earthquake event of a certain index.

Terrorism Program—Effective May 1, 2016, FMTAC renewed the terrorism program. Commencing May 1, FMTAC directly insures certified terrorism claims of the other MTA Group entities in excess of a \$25,000 per occurrence self-insured retention, subject to an annual \$75,000 aggregate as well as certain exceptions summarized below. The total program is \$1,075,000 per occurrence covering property of the related entities collectively. FMTAC is reinsured in the domestic, London, and European marketplaces for this coverage. Losses occurring after the retention aggregate is exceeded are subject to a deductible of \$7,500 per occurrence. The direct and reinsurance policies are effective from May 1, 2016 to December 31, 2020.

With respect to acts of terrorism, FMTAC provides direct coverage that is reinsured by the United States Government for 81% of “certified” losses in 2019, as covered by the Terrorism Risk Insurance Act (“TRIA”) of 2015 (originally introduced in 2002). Under the 2015 extension, terrorism acts sponsored by both foreign and domestic organizations are covered. The remaining 19% of MTA Group losses arising from an act of terrorism would be covered under the additional terrorism policy described below. Additionally, no federal compensation will be paid unless the aggregate industry insured losses exceed \$180,000 (“trigger”) for 2019. In December 2019, the United States government’s reinsurance of TRIA was extended until December 31, 2027.

To supplement the reinsurance to FMTAC through the 2015 Terrorism Risk Insurance Program Reauthorization Act (“TRIPRA”) program, the MTA obtained an additional commercial reinsurance policy with various reinsurance carriers in the domestic, London and European marketplaces. That policy provides coverage for (1) 19% of any “certified” act of terrorism in 2019—up to a maximum recovery of \$204,250 for any one occurrence and in the annual aggregate, (2) the TRIPRA FMTAC captive deductible (per occurrence and on an aggregated basis) that applies when recovering under the 19% “certified” acts of terrorism insurance in 2019 or (3) 100% of any “certified” terrorism loss which exceeds \$5,000 and less than the \$180,000 TRIPRA trigger—up to a maximum recovery of \$180,000 for any occurrence and in the annual aggregate.

Excess Loss Fund (“ELF”)—On October 31, 2003, the Company assumed the existing ELF program on both a retrospective and prospective basis. The retrospective portion contains the same insurance agreements, participant retentions and limits as existed under the ELF program for occurrences happening on or before October 30, 2003. The coverage limit will remain \$50,000 per occurrence or the

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proceeds of the program whichever is less. On a prospective basis, effective October 31, 2003, the Company issued insurance policies indemnifying the MTA, its subsidiaries and affiliates above their specifically assigned Self-Insured Retention with a limit of \$50,000 per occurrence with \$50,000 annual aggregate. The balance of the ELF, \$77,000 was transferred to and invested by the Company in order to secure any claims assumed from the ELF, as well as to capitalize the prospective programs and insure current and future claims. FMTAC charges appropriate annual premiums based on loss experience and exposure analysis to maintain the fiscal viability of the program. Effective October 31, 2019, FMTAC also provides an All-Agency Excess Liability Policy to the MTA and its subsidiaries and affiliates with the limits: i) \$75,000 (75%) of \$100,000 excess \$100,000 and ii) \$95,000 (95%) of \$100,000 excess \$200,000 and iii) \$100,000 (100%) of \$100,000 excess \$300,000. The limits are fully reinsured in the domestic, London, European and Bermuda marketplaces. The limits also exclude claims arising from acts of terrorism.

Stations and Force Liability—Effective December 15, 2019, the Company renewed its direct insurance for the first \$11,000 per occurrence losses for Long Island Rail Road Company and Metro-North Commuter Railroad Company with no aggregate stop loss protection.

All Agency Protective Liability—The Company issued a policy to cover MTA’s All Agency Protective Liability Program (“AAPL”), which is designed to protect the MTA and its agencies against the potential liability arising from independent contractors working on capital and noncapital projects. Effective June 1, 2019, the net retention to the Company is \$2,000. The Company also issued a policy for \$9,000 excess of \$2,000 per occurrence with an \$18,000 annual aggregate.

Paratransit—On March 1, 2019, the MTA renewed its one-year auto liability policy with Travelers (Discover Re). Effective March 1, 2019, the Company renewed, with the MTA, a self-insured retention reimbursement policy for the auto liability on the New York City Transit (“NYCT”) Paratransit operations. The Company is responsible for the first \$1,000 per occurrence of every claim covered by the MTA/Travelers policy.

Non-Revenue—Effective March 1, 2019, the Company renewed, with the MTA, a deductible reimbursement policy for the auto liability of MTA’s non-revenue fleet. The Company is responsible for the first \$500 per occurrence of every claim, excluding Allocated Loss Adjusted Expenses (“ALAE”). Under a separate reinsurance agreement with Travelers, effective March 1, 2019, the Company assumed 100% of the Allocated Loss Adjusted Expenses.

Owner-Controlled Insurance Programs (OCIP)—The MTA purchases Owner Controlled Insurance Programs under which coverage is provided on a group basis for certain agency projects. The Company provides the collateral required by the OCIP insurers to cover deductible amounts. The Company records in the OCIP liability account the amount of principal paid by the MTA to the program. The interest earned is not recognized in the statements of revenues, expenses, and changes in net position. Rather, the amounts are recorded as Incentive Award Payable as the Company may have to make payments to contractors with favorable loss experience.

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OCIP liability consists of the following at December 31, 2019 and 2018 (in thousands):

| | 2019 | 2018 |
|--|-----------------|-----------------|
| NYCT structures lines | \$ 532 | \$ 532 |
| LIRR/MNCR 2000–2004 Capital Improvement Program | (2,461) | (1,844) |
| NYCT 2000–2004 line structures/shops, yards and depots Capital Improvements Program | (1,690) | 1,591 |
| NYCT 2000–2004 stations and escalators/elevators Capital Improvements Program | (647) | 1,424 |
| LIRR/MNR 2005–2009 Capital Improvement Program | (21) | 811 |
| CCC Second Ave. Subway | <u>3,688</u> | <u>3,948</u> |
| OCIP (asset)/liability | <u>\$ (599)</u> | <u>\$ 6,462</u> |

The activity of all funds held by the OCIP reinsurer consists of the following for 2019 and 2018 (in thousands):

| | 2019 | 2018 |
|--|-----------------|------------------|
| Funds held by OCIP insurers—beginning of year | \$ 14,399 | \$ 12,719 |
| Interest income | 174 | 895 |
| Reimbursement to the Company for Safety and Loss Control | (6,554) | (6,903) |
| Claims payments | <u>(506)</u> | <u>7,688</u> |
| Funds held by OCIP reinsurer | <u>\$ 7,513</u> | <u>\$ 14,399</u> |

OCIPs Covering 2000–2004 Capital Program—The Company entered into three agreements with AIG covering portions of the 2000–2004 MTA Capital Program effective October 1, 2000: (1) Long Island Rail Road (“LIRR”)/Metro-North Commuter Railroad Company (“MNCR”) 2000–2004 capital improvement program; (2) NYCT 2000–2004 lines structures/shops, yards and depots capital improvement program; and (3) NYCT 2000–2004 stations and escalators/elevators capital improvement program. The combined collateral requirements are \$86,094, which consist of \$10,385 for the LIRR/MNCR OCIP, \$52,709 for the NYCT 2000–2004 lines structures/shops, yards and depots capital improvement program and \$23,000 for the NYCT 2000–2004 stations and escalators/elevators capital improvement program. The collateral posted by the Company to secure its reimbursement of the insurer’s payments is invested by the insurer with interest returning to the Company at a guaranteed annual rate of return. The Company earned \$28 and \$635 during the years ended December 31, 2019 and 2018, respectively. The interest earned will be used to make the Contractor Safety Incentive program payments to contractors with favorable loss experience. Any monies not used to pay losses or utilized for the Contractor Safety Incentive Program will be returned to the agencies at the end of the OCIPs. In 2019, there were withdrawals from the Company of \$5,721 and claim payments of \$248.

OCIP-LIRR/MNCR 2005–2009 Capital Improvement Projects—Effective June 1, 2006, the Company entered into a new OCIP insurance program for LIRR/MNCR for capital projects in the 2005–2009 MTA Capital Program. In 2019 and 2018, respectively, the Company had a net claim recovery of \$0 and \$1,183. Like the other programs, the interest income generated from the funds being held will be used to pay Contractor Safety Incentive program payments. The Company has earned \$7 and \$32 in interest income during the years ended December 31, 2019 and 2018, respectively. There were withdrawals from the company in 2019 of \$833.

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Second Avenue Subway Project—Effective January 31, 2007, the Company entered into an OCIP program for the \$2,500,000 Second Avenue Subway Project. This is a multi-year agreement with AIG covering Workers' Compensation and General Liability for the Third-Party contractors, MTA and all its subsidiaries up to \$500,000. This OCIP, like the others, requires the Company to post collateral for all losses related to workers' injuries. In 2019 and 2018, \$5,415 and \$5,534 has been set aside to cover this exposure, respectively. During 2019 and 2018, the Company earned \$139 and \$228 in interest with claim payment of \$258 and net recovery of \$1,382 on this OCIP, respectively.

East Side Access Project (“ESA”)—Effective April 1, 1999, the Company entered into an OCIP program for the East Side Access Project. It was a multi-year agreement with Liberty Mutual, the insurer, to insure third party contractors and the MTA and all its subsidiaries up to \$300,000 for Workers' Compensation and General Liability. The insurer required the Company to hold the collateral and loss funding for the first \$500 per occurrence. On April 1, 2016, this coverage was renewed to April 1, 2021. The Company will now hold the collateral and loss funding for the first \$750 per occurrence resulting from Workers' Compensation and the first \$1,900 from General Liability.

East Side Access Project – Excess General Liability – Effective August 1, 2018, the company entered into program to insure \$10,000 per occurrence and aggregate of General Liability coverage in excess of \$2,000 for claims related to the East Side Access Project. The coverage expires on April 1, 2021

NYCT 2005–2009 Capital Improvements Projects—Effective August 1, 2006, the Company entered into a multi-year agreement with Liberty Mutual and the MTA whereby the Company will hold the collateral and loss funding for the first \$500 per occurrence resulting from Workers' Compensation and General Liability losses during the NYCT's 2005–2009 Capital Improvement Projects.

MTA 2012–2014 Combined Capital Construction Program—Effective October 1, 2012, the Company entered into a multi-year agreement with ACE American Insurance Company and the MTA whereby the Company will hold the collateral and loss funding for the first \$750 per occurrence resulting from Workers' Compensation and the first \$1,500 from General Liability losses during the MTA 2012–2014 Combined Capital Construction Program.

MTA 2015–2019 Combined Capital Construction Program—Effective June 30, 2017, the Company entered into a multi-year agreement with Starr Indemnity & Liability Company and the MTA whereby the Company will hold the collateral and loss funding for the first \$750 per occurrence resulting from Workers' Compensation and the first \$1,500 from General Liability losses during the MTA 2015–2019 Combined Capital Construction Program.

MTA LIRR 3rd Track Program – Effective January 1, 2018, the Company entered into a multi-year agreement with Starr Indemnity & Liability Company and the MTA whereby the Company will hold the collateral and loss funding for the first \$750 per occurrence resulting from Workers' Compensation and the first \$1,500 from General Liability losses until January 1, 2024.

Builder's Risk—Effective October 1, 2001, the Company renegotiated the terms and conditions of the reinsurance coverage it purchased from Zurich for the Builder's Risk Insurance Program (“BR”) provided to cover the following 2000–2004 capital program OCIPs:

1. Long Island Rail Road/Metro-North Commuter Railroad Capital Improvement Program;
2. NYCT's Lines Structures/Shops, Yards & Depots Capital Improvement Program, and
3. NYCT's Stations & Elevators Capital Improvement Program

The Company's policy and reinsurance agreements provide the capital projects listed above with limits of \$50,000 in the aggregate. In consideration of \$950 in net retained premium, the Company issues a deductible reimbursement policy with limits of \$75 excess of \$25 contractor deductible.

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Similar to the above BR program, effective July 31, 2006, the Company entered into a new BR program for the following 2005–2009 capital program OCIPs:

1. Long Island Rail Road/Metro-North Commuter Railroad Capital Improvement Program and
2. NYCT's 2005–2009 Capital Improvement Program

The Company's policy and reinsurance agreements from Zurich provide the capital projects listed above with limits of \$50,000 in the aggregate. In consideration of \$7,500 in net retained premium, the Company issues a deductible reimbursement policy with limits of \$475 excess of \$25 contractor deductible.

In 2005, the Company received approval to expand its Builder's Risk Insurance Program to directly insure the MTA and its agencies for property claims while various capital improvement projects are under construction. The policy will cover selected capital improvement projects and was bound June 1, 2005, with limits of \$300,000 per occurrence subject to the \$100,000 self-insured retention. In consideration of a ceded premium of \$12,750, the Company purchased reinsurance for the East Side Access Project from Zurich limiting its exposure to the \$100,000 per occurrence self-insured retention. In 2007, this limit was bought down to \$50,000 for an additional premium of \$5,053. In 2014, this coverage was extended to May 31, 2021, for an additional ceded premium of \$18,106. The Company also purchased reinsurance for the Second Avenue Subway Project. In consideration of ceded premium of \$13,362, reinsurance covering losses up to \$500,000 excess of \$50,000 was purchased from Zurich. The reinsurance purchased by the Company will include an aggregate stop loss provision, whereby the Company will limit its total liability to \$125,000 in the aggregate.

Similar to the above BR programs, effective November 1, 2012, the Company entered into a new BR program for various MTA 2012–2014 combined capital program OCIPs. The Company issues a BR policy, to the MTA, with limits of \$50,000 per occurrence with a \$25 contractor deductible. The Company also purchased reinsurance from ACE with limits of \$50,000 per occurrence with at \$250 deductible.

Effective June 30, 2017, the Company wrote a builders risk deductible reimbursement policy with the MTA for the 2015-2019 Combined Capital Construction Program with limits of \$250 per occurrence, \$1,000 per occurrence for peril of Flood with a \$25 contractor deductible per claim. The policy will expire on June 30, 2023.

On January 1, 2018, the Company wrote a builders risk deductible reimbursement policy with the MTA for the LIRR 3rd Track project with limits of \$250 per occurrence with a \$25 contractor deductible per claim. The policy will expire on January 1, 2024.

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6. LOSS AND LOSS ADJUSTMENT EXPENSES AND REINSURANCE

The following schedule presents changes in the loss and loss adjustment expense liabilities during 2019 and 2018 (in thousands):

| | 2019 | 2018 |
|---|-------------------|-------------------|
| Loss and loss adjustment expenses liability—beginning of year | \$ 493,852 | \$ 444,947 |
| Loss reinsurance recoverable on unpaid losses and loss expenses | <u>(12,174)</u> | <u>(12,245)</u> |
| Net balance—beginning of year | 481,678 | 432,702 |
| Loss and loss adjustment expenses | 146,434 | 126,929 |
| Payments attributable to insured events of the current year | <u>(105,260)</u> | <u>(77,953)</u> |
| Net balance—end of year | 522,852 | 481,678 |
| Plus reinsurance recoverable on unpaid losses and loss expenses | <u>12,601</u> | <u>12,174</u> |
| Loss and loss adjustment expenses liability—end of year | 535,453 | 493,852 |
| Less current portion | <u>53,545</u> | <u>49,385</u> |
| Long-term liability | <u>\$ 481,908</u> | <u>\$ 444,467</u> |

7. RELATED PARTY TRANSACTIONS

The Company provides insurance coverage for the MTA and its component units. The premium revenue from related parties during the period and receivable for the years ended December 31, 2019 and 2018, was as follows (in thousands):

| | 2019 | | 2018 | |
|------|-------------------|-------------------|-------------------|-------------------|
| | Receivable | Earned | Receivable | Earned |
| LIRR | \$ 10,446 | \$ 16,859 | \$ 12,314 | \$ 15,205 |
| MNCR | 3,860 | 7,454 | 5,358 | 8,855 |
| MTA | <u>56,527</u> | <u>104,310</u> | <u>129,525</u> | <u>130,208</u> |
| | <u>\$ 70,833</u> | <u>\$ 128,623</u> | <u>\$ 147,197</u> | <u>\$ 154,268</u> |

Included in General and Administrative expenses for the years ended December 31, 2019 and 2018, respectively, are amounts the MTA charged of \$8,289 and \$8,502, respectively, to FMTAC for risk management services provided to the Company of which \$4,130 and \$4,088 remain as a liability at December 31, 2019 and 2018, respectively.

8. NYCTA BICYCLE CASE

On April 10, 2016, the Plaintiff rode his bicycle, through a cordoned off construction site beneath the elevated BMT line on Broadway in Bushwick, Brooklyn. The MTA New York City Transit Authority was replacing rotted cross ties and lowering them into a designated “drop zone.” Plaintiff was hit by a discarded tie that was being dropped to the ground per MTA New York City Transit Authority protocols. Plaintiff sustained severe and permanent injuries including paraplegia. A Kings County jury found the MTA New York City Transit Authority 100% liable and returned a \$110 million verdict. The Authority has a reasonable chance of persuading the trial court to order a new trial. FMTAC writes an all

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agency excess liability policy for \$50 million per occurrence in- excess of the MTA New York Transit Authority's \$11 million self-insured retention. If the case is not settled, litigation is likely to continue for at least 3 years. The FMTAC excess liability policy covering October 31, 2015-October 31, 2016 would be responsible for any settlement up to \$40 million excess of the Agency retention of \$11 million.

9. SUBSEQUENT EVENTS

FMTAC evaluated subsequent events from January 1, 2020 through _____, 2020, the date the financial statements were issued. FMTAC concluded that no subsequent events have occurred that would require recognition or disclosure in the financial statements.

Impacts from Global Coronavirus Pandemic - On March 12, 2020, the World Health Organization declared the current novel coronavirus ("COVID-19") outbreak to be a pandemic in the face of the global spread of the virus. By order of Governor Cuomo ("New York State on PAUSE"), effective March 2020, all non-essential businesses Statewide were required to be closed, among other restrictive social distancing and related measures.

- The initial impact of social distancing and Governor Cuomo's PAUSE Executive Order resulted in a severe decline in the utilization of MTA services.
- Dramatic declines in MTA public transportation system ridership will have a negative impact on the Company's revenue as some premiums are based on ridership, traffic on platforms and percentage of completion of construction projects. The steep fall in ridership volume, as well as the temporary suspension of certain construction projects reflects the initial impact of social distancing and subsequent State governmental orders limiting non-essential activities caused by the COVID-19 pandemic.
- Due to steep decrease in revenue of the MTA, there may be delays in the collection of premiums. The collectability of these premiums from the MTA still appear to be reasonably assured.
- The ultimate extent of the COVID-19 outbreak on the Company's financial position cannot be reasonably estimated at this time.

* * * * *

ACTUARIAL CERTIFICATION

**First Mutual Transportation Assurance Company
State of New York**

**Statement of Actuarial Opinion
as of December 31, 2019**

IDENTIFICATION

I, Steven G. McKinnon, am a Senior Principal of the firm of Oliver Wyman Actuarial Consulting, Inc. I was appointed by the Board of Directors of First Mutual Transportation Assurance Company (hereinafter referred to as "FMTAC" or "the Company") on August 1, 2017 to render an opinion on the Company's December 31, 2019 loss and loss adjustment expense reserves as filed with the Department of Financial Services of the State of New York. I am a member of the American Academy of Actuaries and meet the Qualification Standards of the American Academy of Actuaries to provide the actuarial opinion contained herein. I am a member in good standing and a Fellow of the Casualty Actuarial Society.

SCOPE

These reserves, as included in the Financial Statement as of December 31, 2019 of the Company, are summarized in the attached Exhibit A and reflect the loss reserve disclosures detailed in Exhibit B.

The intended purpose of this actuarial opinion is to satisfy the requirement for an annual actuarial certification of loss and loss adjustment expense reserves. The loss and loss adjustment expense reserves are the responsibility of the Company's management; my responsibility is to express an opinion on these loss and loss adjustment expense reserves based on my review. My review included such tests and examinations of the actuarial assumptions, methods and calculations used in determining the reserves listed in Exhibit A as I considered necessary in the circumstances.

In forming my opinion, I have relied on data evaluated as of December 31, 2019 and reviewed information provided to me by the Company through February 14, 2020 (review date). This information was provided by Ms. Phyllis Rachmuth (Director, MTA Risk and Insurance Management and President of FMTAC) and her designees. I have performed no verification as to the accuracy of this data; however, I have evaluated the data for reasonableness and consistency. My evaluation did not reveal any data issues materially impacting the results of my analysis.

My review was limited to the items included in Exhibit A and did not include a review of other balance sheet or any income statement items. Data underlying the loss and loss adjustment expense reserves is compiled on a basis net of salvage and subrogation received. Reserves developed using this data implicitly anticipate future salvage and subrogation recoveries. I have not separately reviewed the anticipated salvage and subrogation or any recoverable other than reinsurance recoverables.

OPINION

In my opinion, giving consideration to the Relevant Comments herein, the Company's December 31, 2019 reserves carried in Exhibit A on account of the items identified above:

- A. Meet the relevant requirements of the insurance laws of New York;
- B. Are consistent with reserves computed in accordance with accepted loss reserving standards and principles;
- C. Make a reasonable provision, in the aggregate, for all unpaid loss and loss adjustment expense obligations of the Company under the terms of its policies and agreements.

RELEVANT COMMENTS

A. Risk of Material Adverse Deviation

There are several factors that may result in actual net future loss and loss adjustment expense payments that are greater than the Company's net carried reserves. I have identified the major risk factors as the long-tailed nature of the liability exposures covered by the Company and the potential for catastrophic claims to trigger a large claim under the Excess Loss Program. The absence of other risk factors does not imply that additional risk factors will not be identified as being major risk factors in the future.

- Nature of Coverages Written – The Company has historically written workers compensation and general liability coverages. The ultimate value of these claims is subject to considerable variability and uncertainty due to their long-tailed nature. There may be significant time lag from the accident date to the date a claim is filed, as well as additional time lag from the date the claim is reported to the date the claim is settled and paid.
- Potential for Large Claim in Excess Loss Program – Under the Excess Loss Program, the Company provides \$50 million of coverage, on a per occurrence basis and in the aggregate annually, to MTA agencies above a self-insured retention. The self-insured retentions of the agencies vary by program and year and are as high as \$11 million per occurrence. The Company is also currently responsible for gross losses above \$100 million per occurrence in excess of the Agency self-insured retentions with a limit of \$270 million. Similar structure, with various attachment points and limits, existed during prior years.

As the appointed actuary for the Company's unpaid liabilities, I am required to provide a materiality standard for determining the risk of material adverse deviation. I have selected a materiality standard of 15% of the Company's surplus, or \$33,039,189. This materiality standard considers the purpose of this opinion, my review of the Company's historical claim data, and coverages written by the Company. Other measures of materiality may be used for reserves that are being evaluated in a different context.

In my opinion, there is a significant risk of material adverse deviation from the carried net reserve amounts. I have considered the materiality standard listed above, as well as the major risk factors discussed above, in making this determination.

B. Reinsurance

The actuarial report prepared in support of this opinion includes a summary of the Company's ceded reinsurance that is, or could be, material to the Company's ceded loss and loss adjustment expense reserves as of December 31, 2019. This information was provided by the Company and is assumed to be materially accurate and complete. An assessment as to whether or not the reinsurance contracts meet the requirements for reinsurance accounting is a management and accounting decision, and I express no opinion in this regard.

Based on representations made by the Company and the Company's description of its ceded and assumed reinsurance agreements, I am not aware of any reinsurance contract having a material effect on the loss and loss adjustment expense reserves that either has been or should have been accounted for as retroactive reinsurance or as financial reinsurance.

The Company has represented that it knows of no uncollectible reinsurance cessions. The Company has represented that there was a dispute with one reinsurer, Infrassure Ltd., related to a \$20 million recoverable for property damage suffered as a result of Superstorm Sandy. My understanding is that Infrassure Ltd. has paid \$10 million to FMTAC associated with this claim. I have relied on the Company's assessment of the potential for uncollectible reinsurance.

C. Other Disclosures

Accounting Standard

The Company has represented that the reserves on which I am expressing an opinion were prepared in accordance with the United States Generally Accepted Accounting Principles.

Salvage and Subrogation

Data underlying the loss and loss adjustment expense reserves is compiled on a basis net of salvage and subrogation received. Reserves developed using this data implicitly anticipate future salvage and subrogation recoveries. I have not separately reviewed the anticipated salvage and subrogation recoverable.

Discount

Reserves are provided on an undiscounted basis and do not consider the time value of money.

Underwriting Pools and Associations

The Company has represented that it does not participate in pools and associations.

Asbestos and Environmental Exposure

I have reviewed the Company's exposure to asbestos and environmental claims. In my opinion, there is a remote possibility of material liability since the Company has represented that its policies have exclusions for asbestos and environmental exposure and there have been no reported asbestos or environmental claims reported to date.

Risk Margin

The carried reserves do not include an explicit risk margin.

D. Additional Comments

Unpaid loss and loss adjustment expense liabilities are subject to inherent uncertainty due to the variability of fortuitous outcomes of contingent events which may affect loss and loss adjustment expense costs. In evaluating whether the reserves make a reasonable provision for unpaid losses and loss adjustment expenses, it is necessary to project future loss and loss adjustment expense emergence and payments. It is virtually certain that actual future losses and loss adjustment expenses will not develop exactly as projected and may, in fact, vary significantly from the projections. No warranty is expressed or implied that this will not occur.

I have neither examined the assets of the Company nor formed any opinion as to the value or validity of the assets. My review was limited to the items noted in the scope paragraph and did not include an analysis of any income statement or other balance sheet items. My opinion that the reserves make a reasonable provision in the aggregate for the unpaid loss and loss adjustment expense obligations of the Company presumes that these reserves are backed by valid assets and that these assets reflect suitably scheduled maturities and/or sufficient liquidity to meet cash flow requirements.

Supporting Documents and Usage

This statement of opinion is intended solely for the use of, and only to be relied upon by, the Company and the state of New York.

An actuarial report and underlying work papers supporting the findings expressed in this Statement of Actuarial Opinion are being provided to the Company to be retained for a period of seven years at its administrative offices and are available for regulatory examination.



Steven G. McKinnon, FCAS, MAAA, FCA
Oliver Wyman Actuarial Consulting, Inc.
48 South Service Road, Suite 310
Melville, NY 11747
(631) 577-0555
Steven.McKinnon@oliverwyman.com

February 28, 2020

Exhibit A – SCOPE

| <u>Loss Reserves:</u> | <u>Amount</u> |
|---|----------------------|
| 1. Gross Reserve for Unpaid Losses (Page 2, Line 17) | \$510,970,618 |
| 2. Gross Reserve for Unpaid Loss Adjustment Expenses (Page 2, Line 18) | \$24,482,425 |
| 3. Gross Reserve for Unpaid Losses and Loss Adjustment Expenses [= (1) + (2)] | \$535,453,043 |
| 4. Reinsurance Recoverable on Unpaid Losses and Loss Adjustment Expenses (Page 2, Line 9) | \$11,744,945 |
| 5. Reserve for Unpaid Losses and Loss Adjustment Expenses [= (3) - (4)] | \$523,708,098 |

Exhibit B – DISCLOSURES

1. Name of the Appointed Actuary:

| <u>Last Name</u> | <u>First Name</u> | <u>Middle</u> |
|------------------|-------------------|---------------|
| McKinnon | Steven | G |

2. The Appointed Actuary's Relationship to the Company.

E if an
Employee C if
a Consultant

 C

3. The Appointed Actuary is Qualified Actuary based upon

Enter F, A, M, or O based upon the following:

F if a Fellow of the Casualty Actuarial Society (FCAS)
A if an Associate of the Casualty Actuarial Society (ACAS)
M if not a member of the Casualty Actuarial Society, but a Member of the American Academy of Actuaries (MAAA) approved by the Casualty Practice Council, as documented with the attached approval letter.
O for Other

 F

4. Type of Opinion, as Identified in the OPINION paragraph.

R if Reasonable
I if Inadequate or Deficient Provision
E if Excessive or Redundant Provision
Q if Qualified. Use Q when part of the OPINION is Qualified
N if No Opinion

 R

5. Materiality Standard expressed in \$US

\$33,039,189

6. Is there a Significant Risk of Material Adverse Deviation?

Yes No Not Applicable

7. Statutory Surplus

\$220,261,260

REGULATORY CHECKLIST

FIRST MUTUAL TRANSPORTATION ASSURANCE COMPANY

New York Regulatory Compliance Report As of May 20, 2020

| <i>Description</i> | <i>Requirement / Due Date</i> | <i>Comments/Date Completed</i> |
|---|--|--|
| <i>Financial Reports & Examinations</i> | | |
| File Annual Report with NYSDFS | Within 60 days of fiscal year end | February 28, 2020 |
| File Actuarial Certification of Loss Reserves. | Within 60 days of fiscal year end | February 28, 2020 |
| File Audited Financial Statements with NYSDFS | July 1 | In progress |
| File Parent Company Annual Report with NYSDFS | Annually | In progress |
| Examination by NYSDFS | Every 5 years | Last completed for 2015 |
| <i>Taxes & Fees</i> | | |
| File Premium Tax (Franchise Tax) Return with NYS Tax Dept | Within 3 ½ months after the reporting period (April 15 for December YE) | FMTAC is exempt from NYS taxes |
| Pay Premium Tax to NYS Tax Dept. | Due quarterly 3/15, 6/15, 9/15, 12/15 | FMTAC is exempt from NYS taxes |
| NYS Department of Financial Services Examination Fees | Due at the end of an exam, based on time incurred. | Will be paid as invoiced |
| Pay Assessment Surcharge per Section 206 of NYSDFS Law | Due quarterly when invoiced by NYSDFS | FMTAC is exempt from NYSDFS Assessments |
| <i>Underwriting</i> | | |
| Changes in insurance programs (coverage, limits, reinsurers) | Approval is required for business plan changes | In Compliance |
| Insurance policies and reinsurance agreements | Insurance documentation must be on file in principal office in New York | In Compliance |
| <i>Investments</i> | | |
| Maintain Minimum required capital and surplus in prescribed form [Cash, LOC, or investment type as described in section 7004, section (b)(2)] | \$250,000 of total surplus (\$100,000 shall represent paid-in capital) | In Compliance |
| Intercompany loans | Prior approval from NYSDFS required | In Compliance |
| <i>Corporate Governance</i> | | |
| Notify changes of Directors and Officers to NYSDFS | Notify within 30 days and submit biographical affidavits for any new individuals | Biographical affidavits not applicable. Notice of appointments of new MTA/FMTAC directors (made by Governor following background checks and Senate confirmation process) are made to NYSDFS within 30 days. NYSDFS fingerprinting requirement has been waived. |

| <i>Description</i> | <i>Requirement / Due Date</i> | <i>Comments/Date Completed</i> |
|--|---|---|
| <i>Corporate Governance, con't</i> | | |
| File Certificate of Compliance for License Renewal with NYSDFS | Annually by June 30 | In progress |
| Certificate of Designation | Information needs to remain current | In Compliance |
| NYS Resident Directors | Minimum of two NY resident directors | In Compliance |
| Hold Annual Meeting of Directors | Must be held annually in NYS | In Compliance – May 20, 2020 |
| <i>Other Filings</i> | | |
| NY Cyber Regulation | Sec 500.17b written statement by Captive they are in compliance is due June 1, 2020 | In progress |
| Annual Terrorism Risk Insurance Act (“TRIA”) data reporting | Annually, May 15 | 2019 data was submitted on May 15, 2020 |

INVESTMENT REPORT

BlackRock[®]

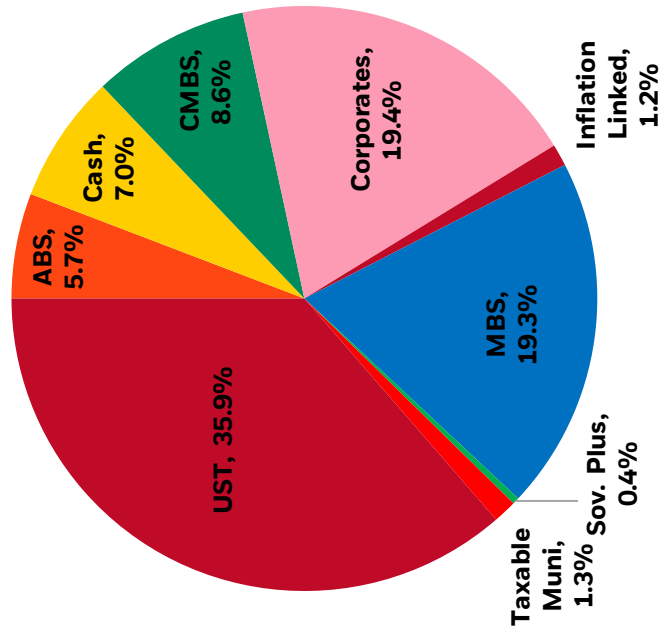
FMTAC Board Presentation

BlackRock managed portfolios for First Mutual Transportation Assurance Company include:

- FMTAC Ace American Trust
- FMTAC Discovery Re Trust
- FMTAC Excess Loss Fund
- FMTAC General Operating Account
- FMTAC Liberty Trust East Side Access
- FMTAC Liberty Trust '06 NY Transit Authority
- FMTAC Master Builders' Risk
- FMTAC Star Indemnity

FMTAC Aggregate Portfolio

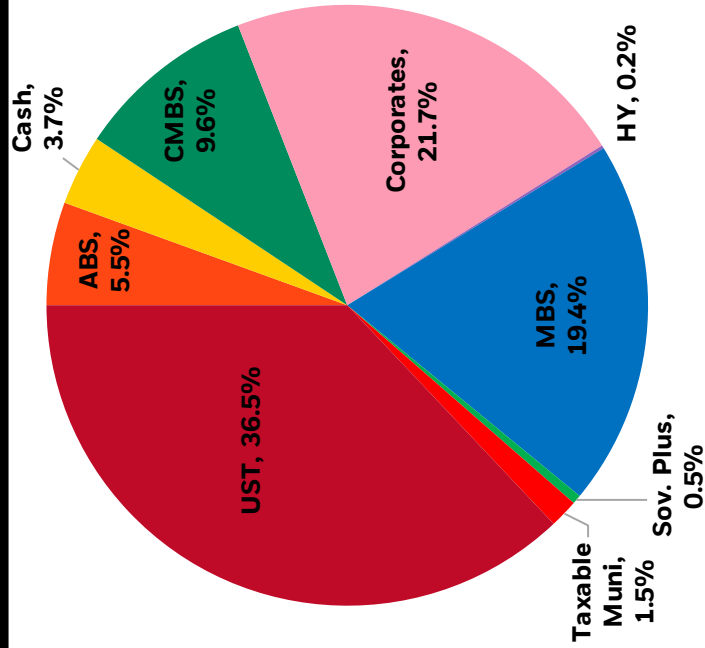
As of December 31 2019



Key Portfolio Statistics

| | |
|-------------------------------|-------------|
| Duration | 3.76 |
| Convexity | 0.06 |
| Avg Moodys/S&P Credit Quality | Aa1/AA/AA+ |
| Market Yield | 2.06% |
| Book Yield | 2.82% |
| YTD Realized Gain/(Loss) | 2,328,758 |
| Net Asset Value | 786,467,389 |

As of March 31 2020

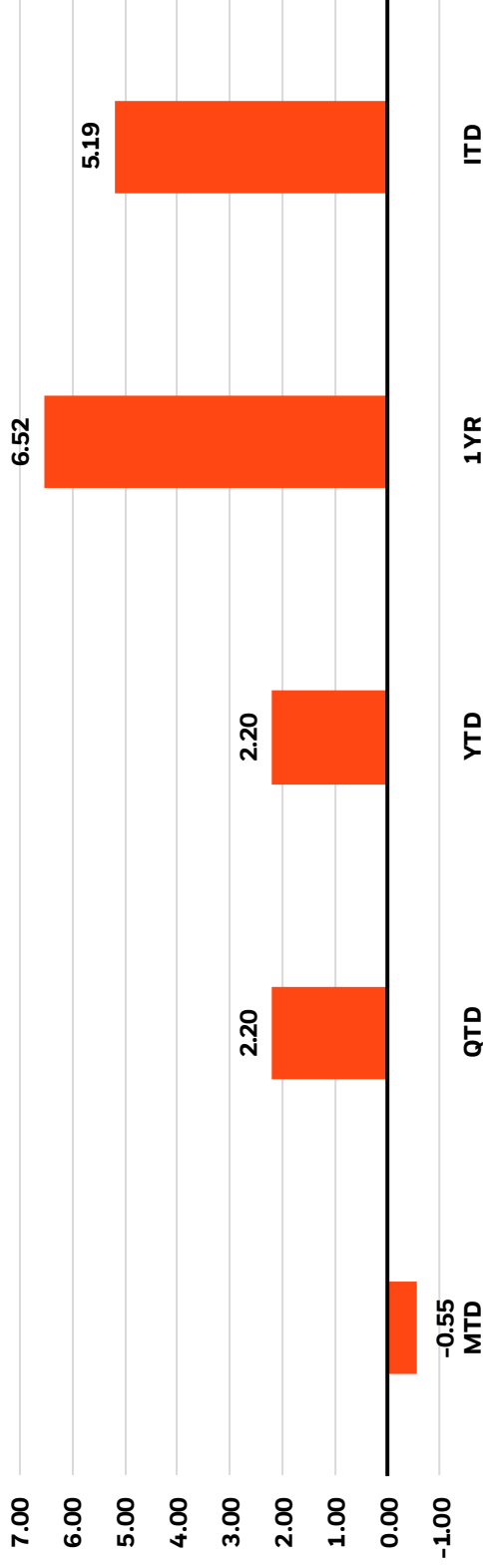


Key Portfolio Statistics

| | |
|-------------------------------|-------------|
| Duration | 3.69 |
| Convexity | 0.13 |
| Avg Moodys/S&P Credit Quality | Aa1/AA/AA+ |
| Market Yield | 1.64% |
| Book Yield | 2.73% |
| YTD Realized Gain/(Loss) | 4,035,455 |
| Net Asset Value | 820,268,401 |

FMTAC Aggregate Portfolio Performance

Performance as of Period End



| | MTD | QTD | YTD | 1 YR | ITD |
|------------------------|-------|------|------|------|------|
| Portfolio Return (bps) | -0.55 | 2.20 | 2.20 | 6.52 | 5.19 |

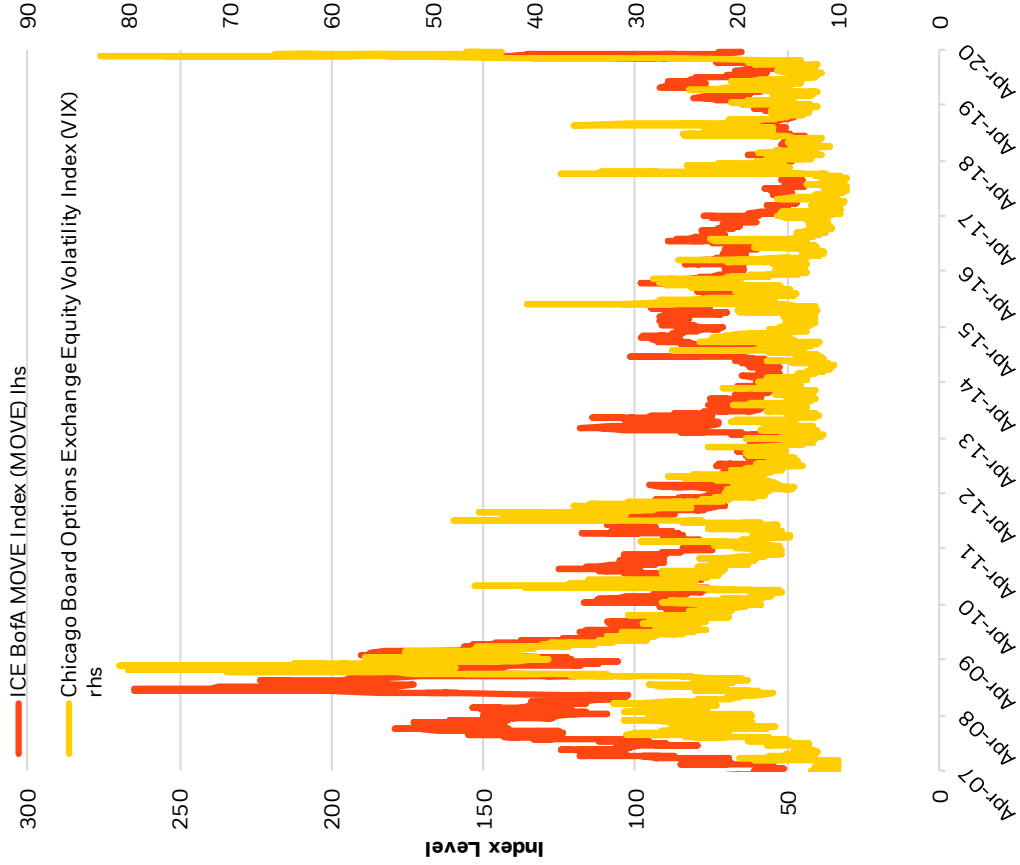
- Inception date: 2/23/2018
- Performance holiday: 02/23/18 - 04/30/18
- Source: Aladdin GP as of 03/31/2020
- Numbers may not tie due to rounding
- The aggregate portfolio does not have a benchmark and there are no active returns.

COVID-19 Exposure

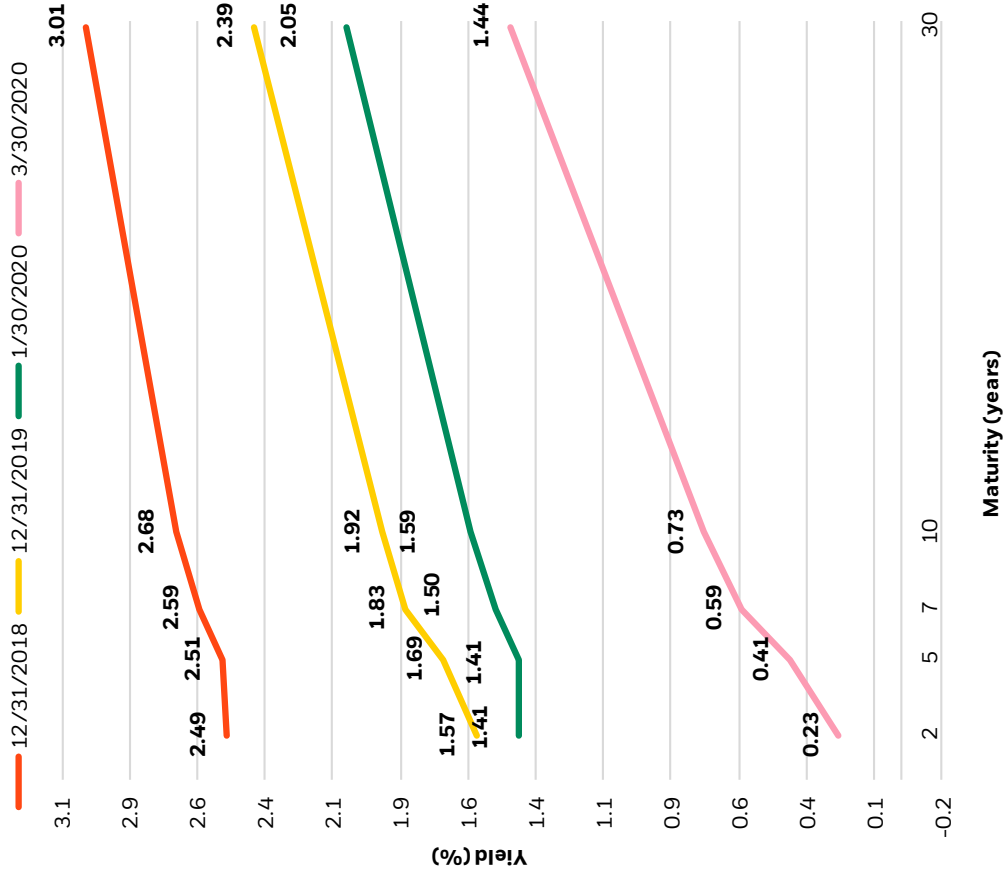
| Portfolio Breakdown | Market Value % | Duration | OAS | Book Yield | Market Yield | Market Value (m) | Book Value (m) | UGL (m) |
|-------------------------|----------------|----------|-------|------------|--------------|------------------|----------------|---------|
| FMTAC-AGG | 3.2% | 6.16 | 405 | 3.58 | 4.73 | 26,110 | 27,125.03 | -1,229 |
| High Yield | 0.2% | 0.00 | 789 | 3.96 | 8.42 | 1,278 | 1,492.53 | -222 |
| Automotive | 0.1% | 0.00 | 687 | 4.00 | 7.31 | 1,159 | 1,244.89 | -92 |
| Independent | 0.0% | 0.00 | 1,786 | 3.73 | 19.24 | 119 | 247.64 | -129 |
| Corporates | 3.0% | 6.48 | 386 | 3.56 | 4.54 | 24,832 | 25,632.50 | -1,008 |
| Industrials | 3.0% | 6.48 | 386 | 3.56 | 4.54 | 24,832 | 25,632.50 | -1,008 |
| Consumer Cyclical | 1.3% | 6.34 | 318 | 3.37 | 3.83 | 10,732 | 10,573.93 | 63 |
| Automotive | 0.4% | 3.03 | 510 | 3.74 | 5.54 | 3,626 | 3,759.76 | -168 |
| Lodging | 0.0% | 0.53 | 1,021 | 3.48 | 10.72 | 342 | 349.06 | -12 |
| Retailers | 0.6% | 8.36 | 166 | 3.11 | 2.42 | 5,240 | 4,982.73 | 211 |
| Restaurants | 0.2% | 8.60 | 228 | 3.29 | 3.07 | 1,523 | 1,482.38 | 32 |
| Energy | 1.1% | 6.58 | 484 | 3.73 | 5.57 | 8,975 | 10,042.77 | -1,154 |
| Independent Energy | 0.2% | 5.41 | 809 | 3.46 | 8.89 | 1,689 | 2,252.24 | -586 |
| Integrated Energy | 0.3% | 5.31 | 199 | 3.04 | 2.52 | 2,291 | 2,204.05 | 73 |
| Midstream | 0.6% | 7.55 | 505 | 4.11 | 5.85 | 4,995 | 5,586.47 | -641 |
| Transportation | 0.6% | 6.57 | 355 | 3.61 | 4.22 | 5,126 | 5,015.80 | 83 |
| Airlines | 0.1% | 1.29 | 912 | 3.67 | 9.58 | 753 | 799.09 | -55 |
| Railroads | 0.3% | 9.49 | 201 | 3.45 | 2.85 | 2,603 | 2,482.04 | 107 |
| Transportation Services | 0.2% | 4.53 | 343 | 3.80 | 3.95 | 1,770 | 1,734.67 | 31 |

Unprecedented

Volatility



US Treasury Curve Changes

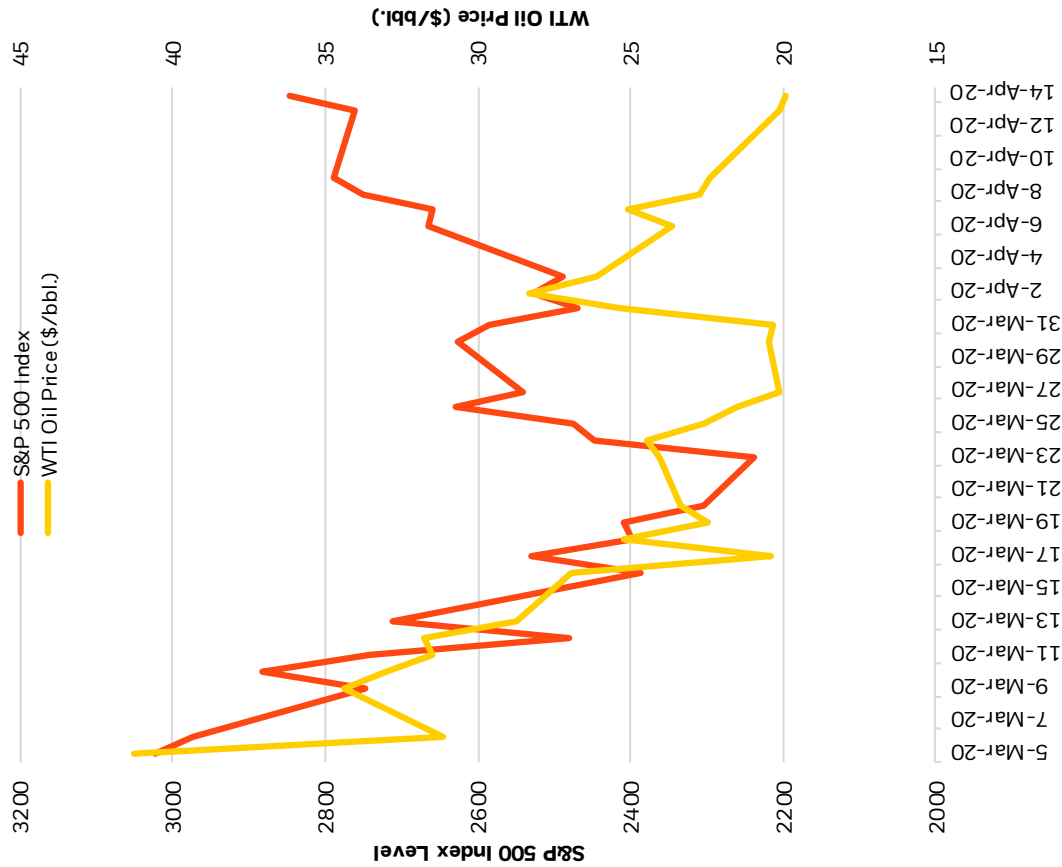


Source : Merrill Lynch Option Volatility Estimate (MOVE). Bloomberg, as of April 8, 2020

Source : Bloomberg, as of March 30, 2020.

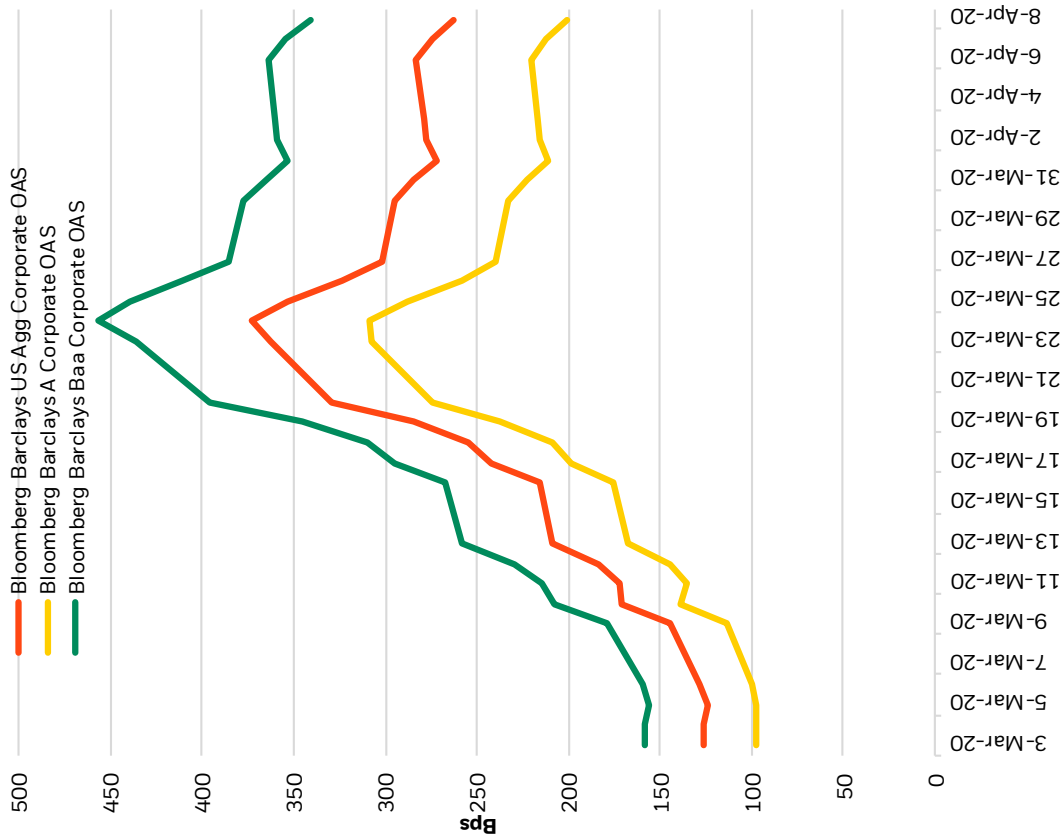
Perfect Storm

S&P 500 and Oil



Source : West Texas Intermediate. Bloomberg, as of April 7, 2020.

Corporate Spreads



Source : Bloomberg Barclays Corporate Index by rating as of April 7, 2020

US Central Bank Policy Powell's "Do Whatever It Takes Moment" Most Notable Policy Moves



Source: Federal Reserve, BlackRock, as of April 3, 2020.

Fiscal Stimulus

Global Stimulus Packages

| Global Monetary and Fiscal Stimulus to Fight COVID-19 Impact | | | | | | |
|--|----------------------------------|--------------|----------------------|--------------|---|---------------|
| 2020 Feb to Mar | | | | | | |
| | Central Bank Liquidity Injection | | Govt Fiscal Stimulus | | Central Bank Liquidity Injection and Govt Fiscal Stimulus | |
| | \$ bns | % GDP | \$ bns | % GDP | \$ bns | % GDP |
| US | 1500 | 7.00% | 2756 | 12.90% | 4256 | 19.80% |
| Eurozone | 1100 | 8.30% | 480 | 3.60% | 1580 | 11.90% |
| Japan | 126 | 2.40% | 184 | 3.60% | 184 | 3.60% |
| UK | 387 | 14.10% | 38 | 1.40% | 425 | 15.50% |
| China | 1153 | 8.00% | 111 | 0.80% | 1264 | 8.90% |
| Others | 406 | | 1416 | | 1948 | |
| Total | 4572 | 5.40% | 4984 | 5.80% | 9655 | 11.10% |

Source: BlackRock, Cornerstone Macro as of March 27, 2020

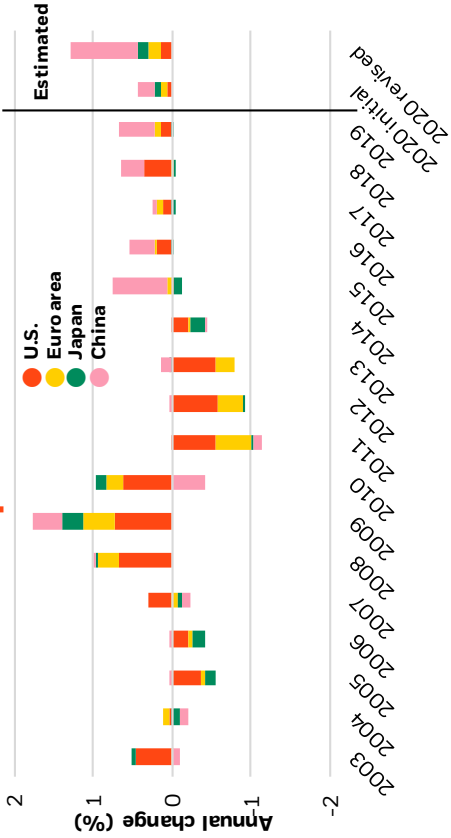
Fiscal Response

United States

- **Part 1 (Mar 6):** \$8 billion bill passed to assist public health effort. (Coronavirus Preparedness and Response Supplemental Appropriations Act)
- **Part 2 (Mar 18):** The President signed \$100 billion+ bill to support public health efforts and expand sick leave among other items.
- In between, the President finally declared a national emergency unlocking ~\$40 billion in disaster aid.
- **Part 3: (Mar 31)** Congress CARES Act. Delivers roughly **\$2 to \$2.6 trillion** in economic relief

Source: Federal Reserve, Bloomberg, BlackRock, as of April 3, 2020.

Global Fiscal Response



There is no guarantee that any forecasts made will come to pass. **Past performance is no guarantee of future results.** Source: BlackRock Investment Institute, IMF, OECD and the European Commission, with data from Bloomberg, 3/1/2020. The chart shows the annual change in the cyclically adjusted government primary balance weighted by GDP in purchasing power parity terms. The bars show the fiscal impulse from each region relative to the size of the global economy.

Germany

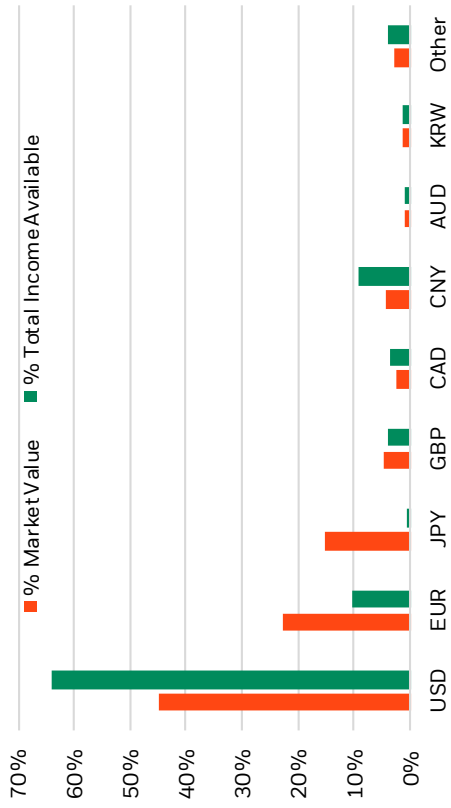
- The German government secured emergency powers to unlock a historic rescue package. The extraordinary setting aside of a constitutional debt limit enables new borrowing of **€156bn** or ~4.5% of GDP

China

- Fiscal measures announced equal **~¥900 billion, or 0.9% of GDP**, including accelerated payment of unemployment insurance, value-added tax relief for smaller businesses Local authorities allowed to sell special bonds to pay for infrastructure investment;

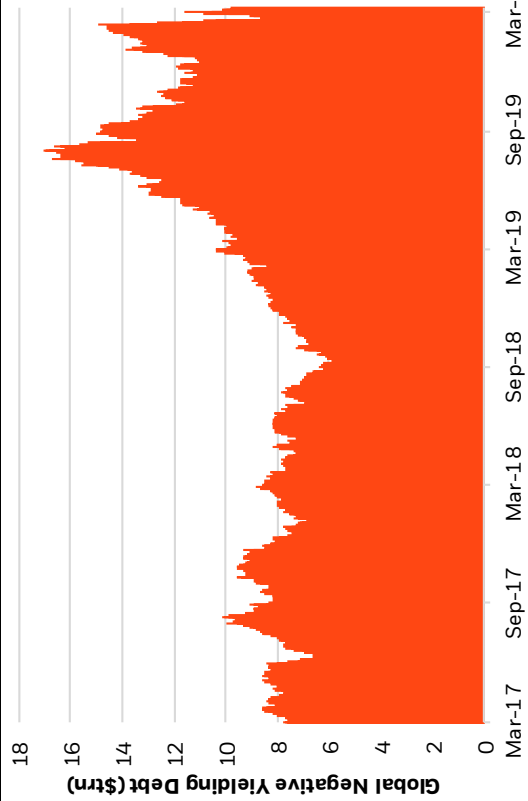
Flows and Income

Income Available in Global Agg Index



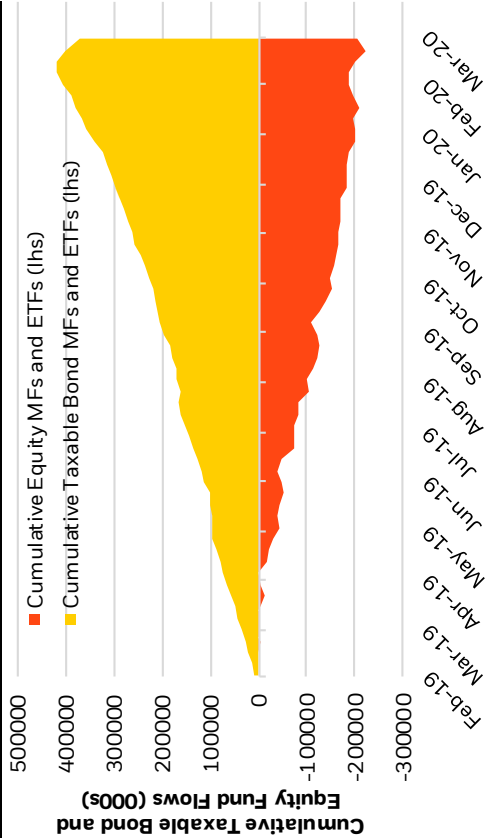
Source: Bloomberg as of April 6, 2020. %Market Value in each currency of the Barclays Global Agg, and % total income available in each currency.

Negative Yielding Debt



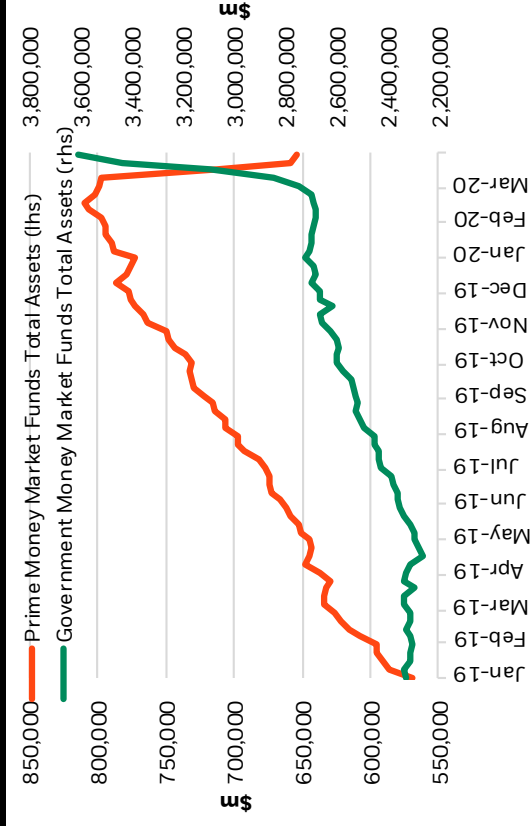
Source: Bloomberg as of April 6, 2020.

US Equity and Bond Flows



Source: Bloomberg as of April 6, 2020.

US Prime and Government Fund Assets

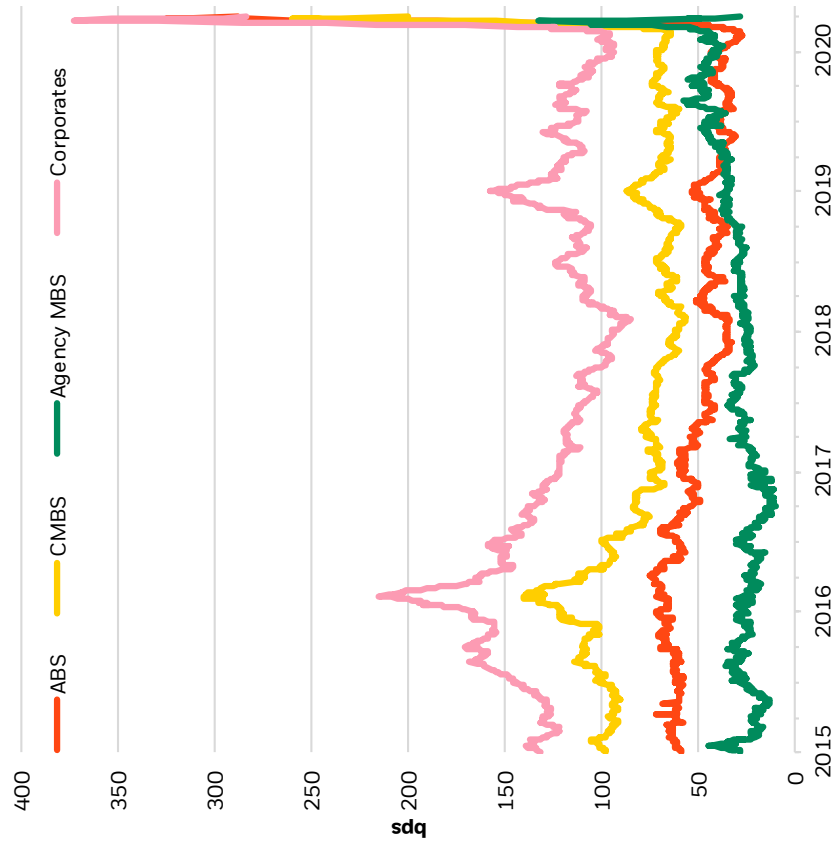


Source: Barclays as of March 11, 2020

Spread Sector Summary

Bloomberg Barclays Indices

Spread Sector OAS



Source: Bloomberg, Barclays, as of March 30, 2020.
Spread sectors are derived from the Bloomberg Barclays Aggregate Index.

Excess Returns¹ by Sector (in basis points)

| | 2015 | 2016 | 2017 | 2018 | 2019 | Q1 2020* | Jan 2020* | Feb 2020* | Mar 2020* |
|---|------|------|------|------|------|----------|-----------|-----------|-----------|
| Bloomberg Barclays Aggregate Index | -53 | 138 | 121 | -101 | 199 | -415 | -34 | -52 | -314 |
| Credit Non-Corporate | -202 | 205 | 278 | -101 | 331 | -858 | -17 | -107 | -700 |
| Corporate | -161 | 493 | 346 | -315 | 676 | -1350 | -80 | -176 | -1040 |
| MBS | -5 | -11 | 52 | -59 | 61 | -83 | -53 | -7 | -22 |
| ABS | 44 | 95 | 92 | 13 | 71 | -322 | 32 | -6 | -342 |
| CMBS | -28 | 236 | 158 | -39 | 181 | -586 | 38 | -25 | -574 |
| High Yield** | -577 | 1573 | 610 | -358 | 934 | -1703 | -111 | -271 | -1330 |
| Emerging Markets*** | 3 | 880 | 614 | -345 | 638 | -1741 | -87 | -277 | -1342 |

Note: Index performance is shown for illustrative purposes only. You cannot invest directly in an index. **Past performance is not indicative of future returns.** Source: Bloomberg, Barclays; data as of March 31, 2020.

1 Relative to US Treasuries

* Unannualized

** Bloomberg Barclays US Corporate High Yield Index

*** Bloomberg Barclays Emerging Markets USD Aggregate Index (USD)

Important notes

This document contains general information only and does not take into account an individual's financial circumstances. An assessment should be made as to whether the information is appropriate in individual circumstances and consideration should be given to talking to a professional adviser before making an investment decision.

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Index

It is not possible to directly invest in an unmanaged index.

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Important notes

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Investing in the bond market is subject to certain risks including market, interest-rate, issuer, credit, and inflation risk. Equities may decline in value due to both real and perceived general market, economic, and industry conditions. Mortgage and asset-backed securities may be sensitive to changes in interest rates, subject to early repayment risk, and while generally backed by a government, government-agency or private guarantor there is no assurance that the guarantor will meet its obligations. High-yield, lower-rated, securities involve greater risk than higher-rated securities; portfolios that invest in them may be subject to greater levels of credit and liquidity risk than portfolios that do not. Investors will, at times, incur a tax liability. Income from municipal bonds may be subject to state and local taxes and at times the alternative minimum tax. Derivatives may involve certain costs and risks such as liquidity, interest rate, market, credit, management and the risk that a position could not be closed when most advantageous. Investing in derivatives could lose more than the amount invested.

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BlackRock

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MONTHLY REPORT
31 MARCH 2020

BLACKROCK[®]

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Assurance Company

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Learn more about BlackRock

www.blackrock.com

Corporate Governance

Information related to our Responsible Investment can be found on our website at:

www.blackrock.com/responsibleinvestment

Online Glossary of Terms

Definitions for all terms found in your report can be found in our online glossary at:

www.blackrock.com/institutions/glossary

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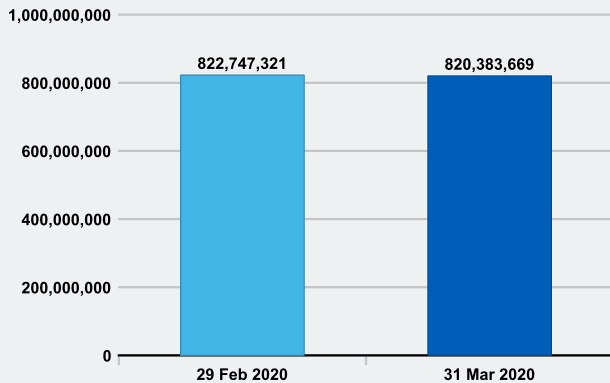
| | |
|-------------------------------------|-----------|
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FMTAC-AGG
Executive Summary

31 March 2020

Reporting Currency: **USD**

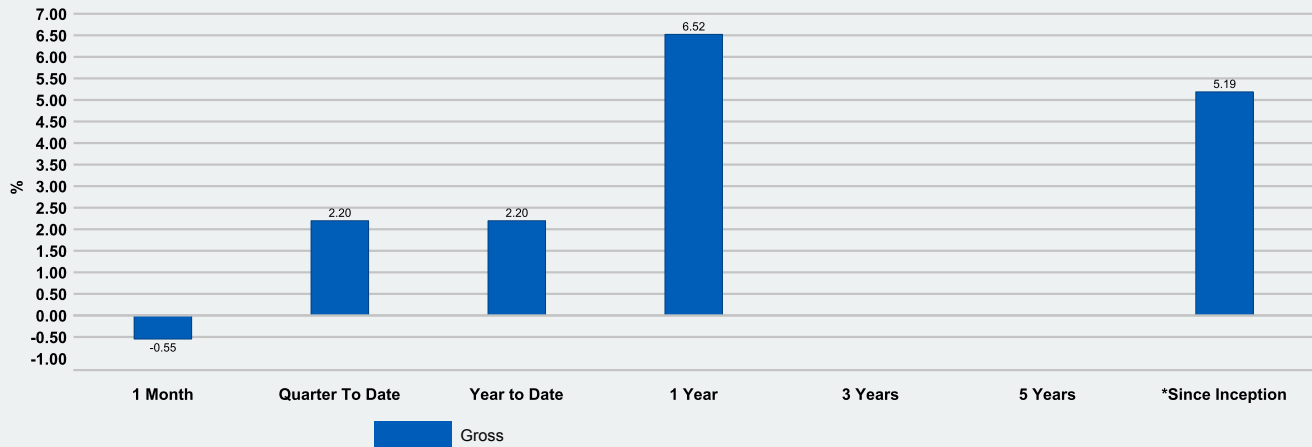
Total Market Value



Portfolio Activity

| | |
|---------------------------------|---------------|
| YTD Realized Gain/Loss | 4,038,007.67 |
| Unrealized Gain/Loss | 28,971,610.20 |
| Subscriptions/Redemptions (net) | 2,066,104.64 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -55 | +220 | +220 | +652 | | | +526 |

Periods greater than one year are annualized.

* Since Inception returns are based on a 23 Feb 2018 Performance Start Date which may be different from Account Inception Date.

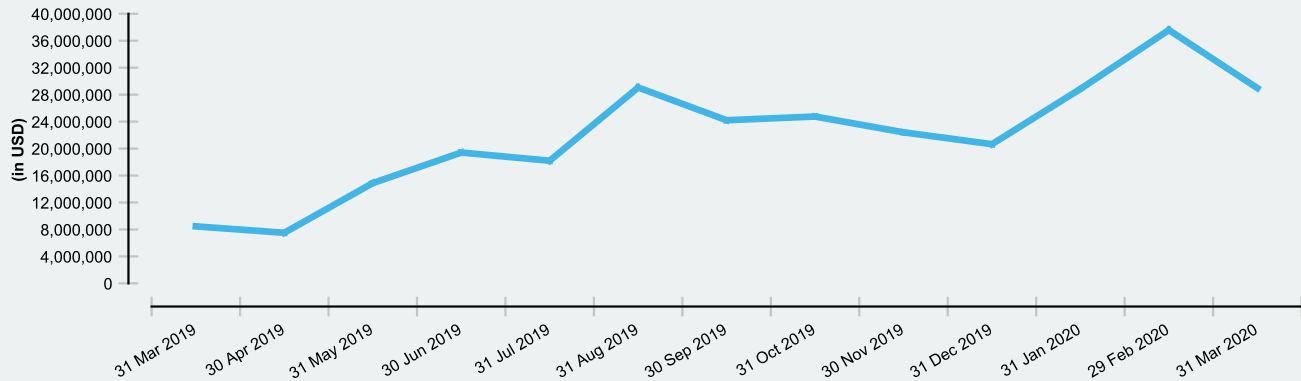
The portfolio performance above does not include an accrual for the investment advisory fee. If the portfolio's performance did include an accrual for the investment advisory fee, the portfolio's returns would be lower. There may be other fees and expenses not reflected in the portfolio performance calculation that bear on the value of the investment. See additional information about Performance and Fees on the Disclosures page at the end of this report.

The "gross of fees" portfolio performance above does not reflect the deduction of investment advisory fees. If the portfolio's performance did reflect the deduction of investment advisory fees, the portfolio's returns would be lower. There may be other fees and expenses not reflected in the portfolio performance calculation that bear on the value of the investment. If any "net of fees" performance figures are shown, such figures reflect the deduction of actual investment advisory fees, but there may still be other fees and expenses not reflected in the performance figures that would reduce the portfolio's returns. See the disclosures at the end of this report for additional information about performance and fees.

Past performance is not a guide to future performance. The value of investments and the income from them may go down as well as up, and is not guaranteed so that the investor may not get back the amount originally invested.

Reporting Currency: **USD**

Unrealized Gain/Loss



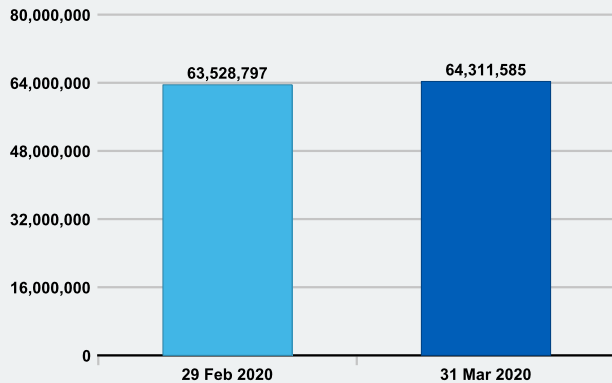
| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 8,454,339.22 |
| 30 Apr 2019 | 7,506,666.07 |
| 31 May 2019 | 14,874,079.76 |
| 30 Jun 2019 | 19,409,479.20 |
| 31 Jul 2019 | 18,198,118.17 |
| 31 Aug 2019 | 29,061,102.21 |
| 30 Sep 2019 | 24,206,709.62 |
| 31 Oct 2019 | 24,751,481.69 |
| 30 Nov 2019 | 22,411,248.59 |
| 31 Dec 2019 | 20,648,154.05 |
| 31 Jan 2020 | 28,844,224.33 |
| 29 Feb 2020 | 37,588,163.24 |
| 31 Mar 2020 | 28,971,610.20 |

Executive Summary

Performance Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

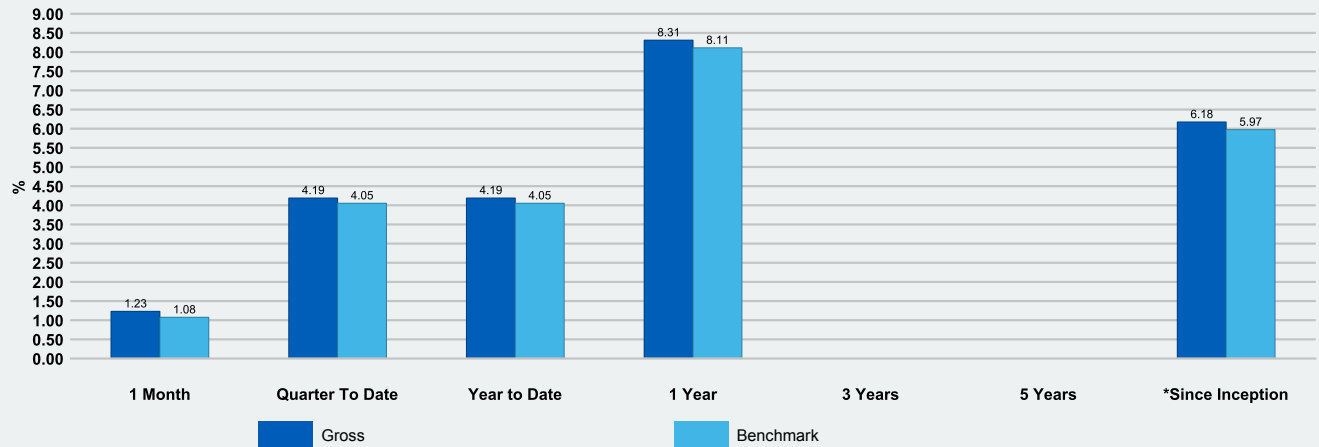
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 50,914.73 |
| Unrealized Gain/Loss | 3,690,594.75 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| +15 | +14 | +14 | +20 | | | +21 |

Periods greater than one year are annualized.

* Since Inception returns are based on a 23 Feb 2018 Performance Start Date which may be different from Account Inception Date.

The portfolio performance above does not include an accrual for the investment advisory fee. If the portfolio's performance did include an accrual for the investment advisory fee, the portfolio's returns would be lower. There may be other fees and expenses not reflected in the portfolio performance calculation that bear on the value of the investment. See additional information about Performance and Fees on the Disclosures page at the end of this report.

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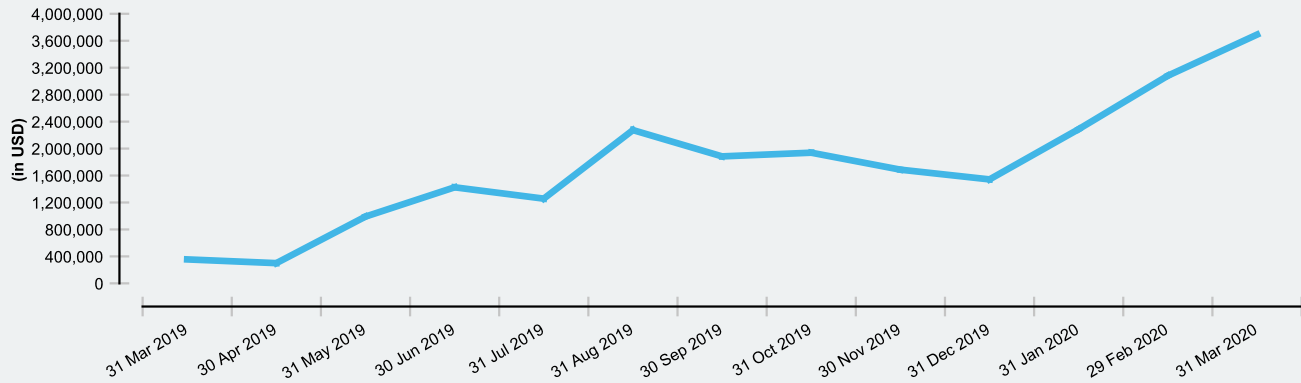
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Executive Summary

Performance Benchmark: **BBG Barc Intermediate Gov/Credit A or Higher Index**

Reporting Currency: **USD**

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 355,297.61 |
| 30 Apr 2019 | 300,205.67 |
| 31 May 2019 | 990,755.63 |
| 30 Jun 2019 | 1,425,207.59 |
| 31 Jul 2019 | 1,256,934.83 |
| 31 Aug 2019 | 2,274,181.03 |
| 30 Sep 2019 | 1,883,893.35 |
| 31 Oct 2019 | 1,938,609.93 |
| 30 Nov 2019 | 1,686,955.94 |
| 31 Dec 2019 | 1,542,434.15 |
| 31 Jan 2020 | 2,287,659.45 |
| 29 Feb 2020 | 3,080,941.84 |
| 31 Mar 2020 | 3,690,594.75 |

FMTAC Discovery Re Trust

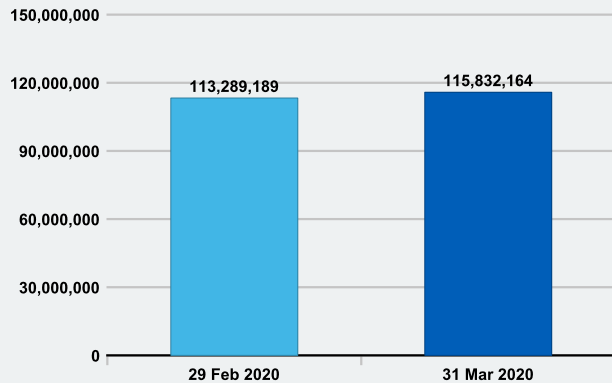
31 March 2020

Executive Summary

Performance Benchmark: ICE BofAML 1 Yr US Treasury Note Index (GC03)

Reporting Currency: USD

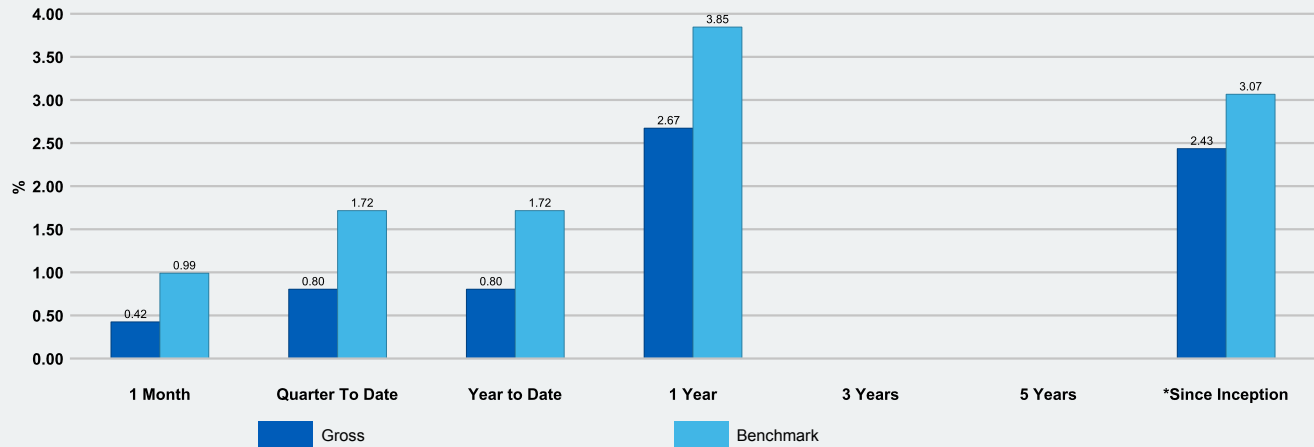
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 400.41 |
| Unrealized Gain/Loss | 489,857.77 |
| Subscriptions/Redemptions (net) | 2,066,104.64 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -57 | -92 | -92 | -118 | | | -64 |

Periods greater than one year are annualized.

* Since Inception returns are based on a 23 Feb 2018 Performance Start Date which may be different from Account Inception Date.

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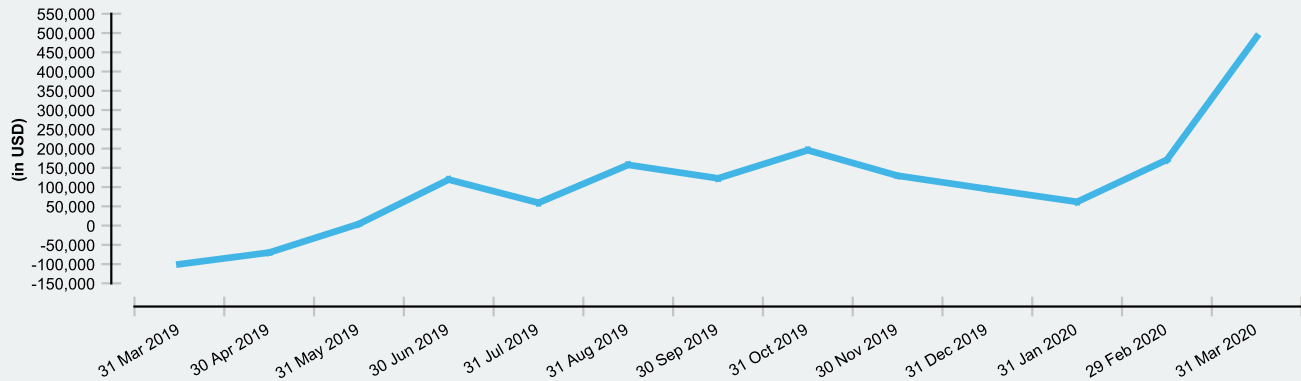
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Executive Summary

Performance Benchmark: ICE BofAML 1 Yr US Treasury Note Index (GC03)

Reporting Currency: USD

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | -100,307.91 |
| 30 Apr 2019 | -70,035.75 |
| 31 May 2019 | 4,223.06 |
| 30 Jun 2019 | 119,463.20 |
| 31 Jul 2019 | 59,192.09 |
| 31 Aug 2019 | 157,652.18 |
| 30 Sep 2019 | 122,774.55 |
| 31 Oct 2019 | 195,757.48 |
| 30 Nov 2019 | 129,547.66 |
| 31 Dec 2019 | 95,177.84 |
| 31 Jan 2020 | 61,658.60 |
| 29 Feb 2020 | 170,939.46 |
| 31 Mar 2020 | 489,857.77 |

FMTAC Excess Loss Fund

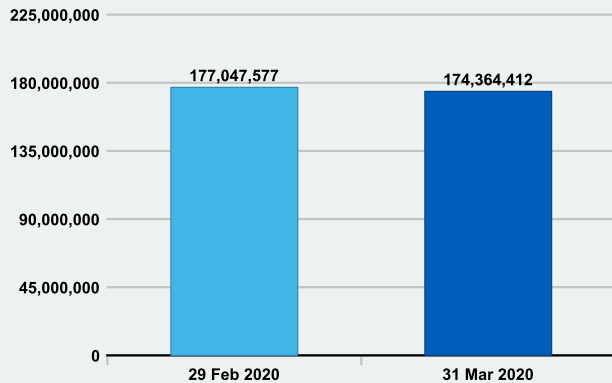
31 March 2020

Executive Summary

Performance Benchmark: BBG Barc Intermediate Aggregate Index

Reporting Currency: USD

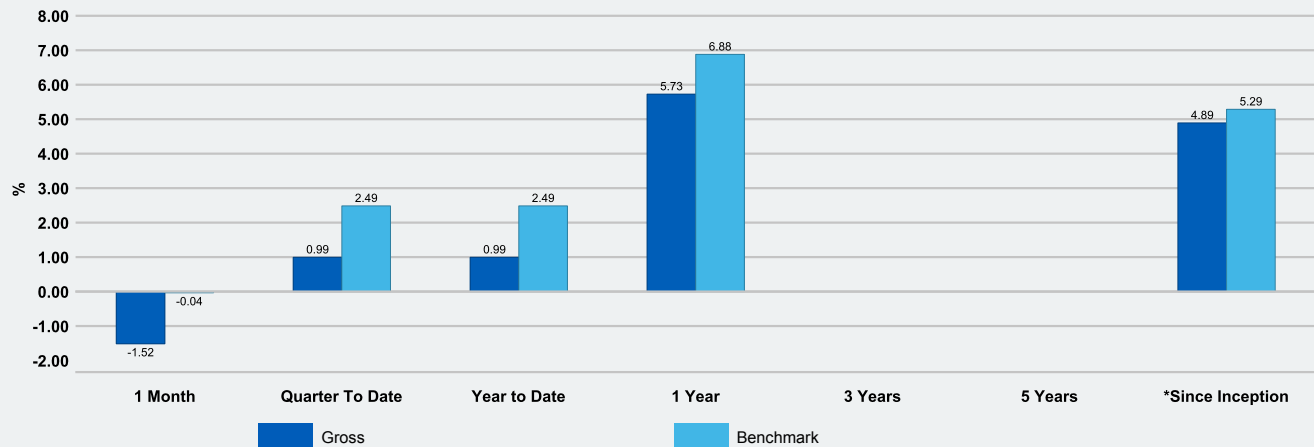
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 954,068.55 |
| Unrealized Gain/Loss | 3,975,853.51 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -148 | -150 | -150 | -115 | | | -40 |

Periods greater than one year are annualized.

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FMTAC Excess Loss Fund

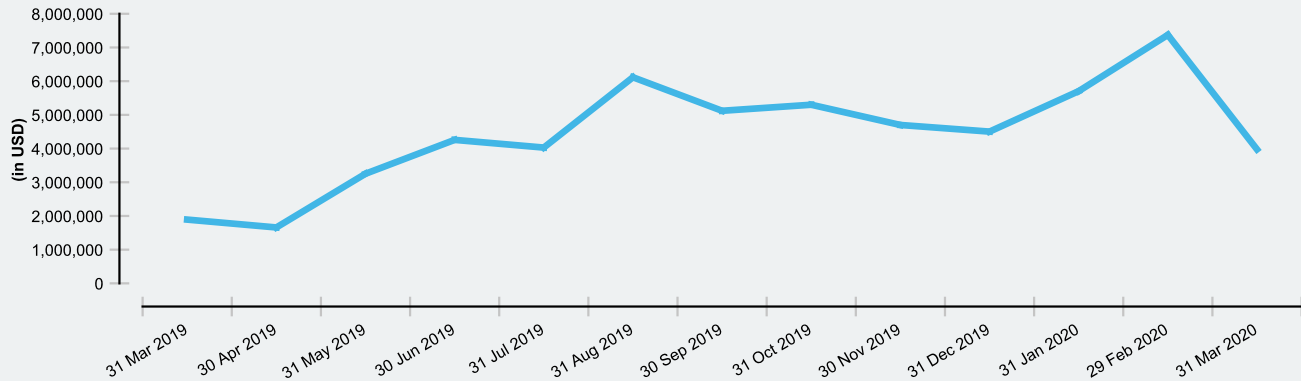
31 March 2020

Executive Summary

Performance Benchmark: **BBG Barc Intermediate Aggregate Index**

Reporting Currency: **USD**

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 1,891,798.02 |
| 30 Apr 2019 | 1,658,703.47 |
| 31 May 2019 | 3,252,655.83 |
| 30 Jun 2019 | 4,257,857.02 |
| 31 Jul 2019 | 4,029,575.57 |
| 31 Aug 2019 | 6,115,613.37 |
| 30 Sep 2019 | 5,121,320.16 |
| 31 Oct 2019 | 5,300,358.60 |
| 30 Nov 2019 | 4,699,864.23 |
| 31 Dec 2019 | 4,503,297.30 |
| 31 Jan 2020 | 5,703,991.50 |
| 29 Feb 2020 | 7,372,916.35 |
| 31 Mar 2020 | 3,975,853.51 |

FMTAC General Operating Account

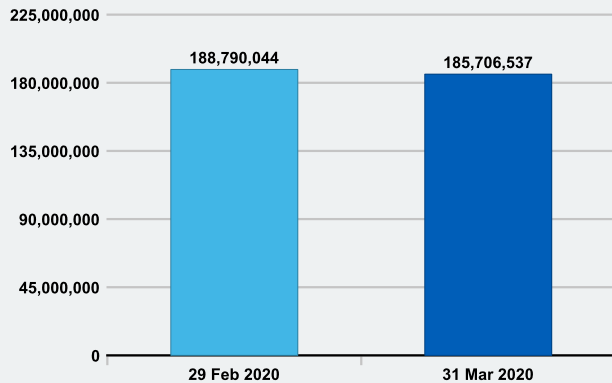
31 March 2020

Executive Summary

Performance Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

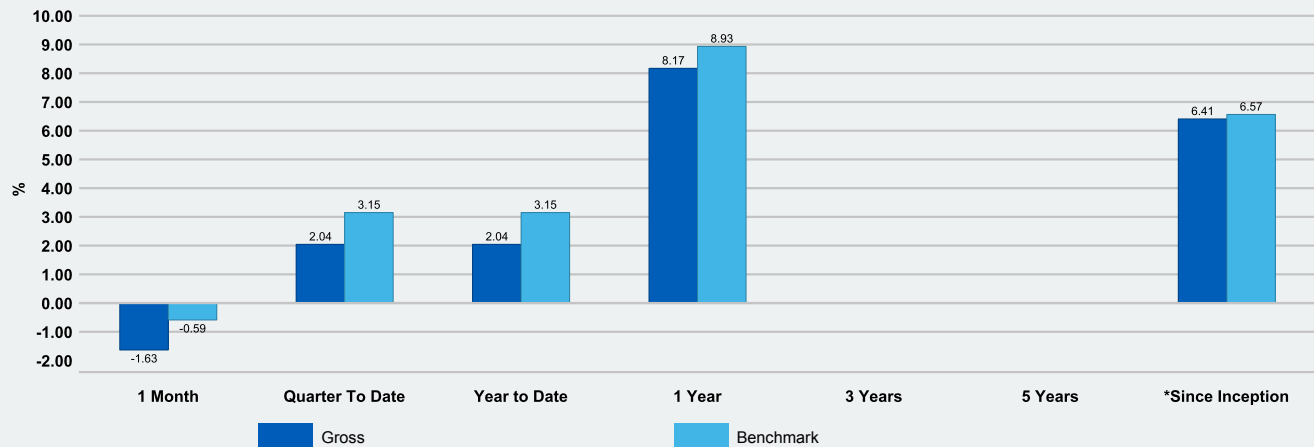
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 1,844,934.94 |
| Unrealized Gain/Loss | 5,821,332.56 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -104 | -111 | -111 | -76 | | | -16 |

Periods greater than one year are annualized.

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FMTAC General Operating Account

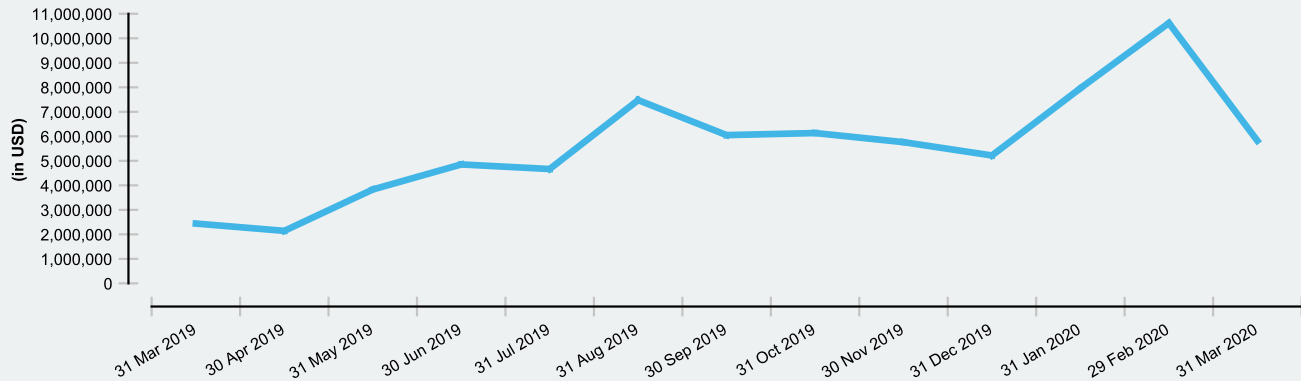
31 March 2020

Executive Summary

Performance Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 2,440,127.84 |
| 30 Apr 2019 | 2,141,584.62 |
| 31 May 2019 | 3,830,357.73 |
| 30 Jun 2019 | 4,852,854.94 |
| 31 Jul 2019 | 4,665,584.55 |
| 31 Aug 2019 | 7,477,649.58 |
| 30 Sep 2019 | 6,049,375.69 |
| 31 Oct 2019 | 6,133,519.14 |
| 30 Nov 2019 | 5,761,855.17 |
| 31 Dec 2019 | 5,219,207.37 |
| 31 Jan 2020 | 7,962,092.55 |
| 29 Feb 2020 | 10,620,794.86 |
| 31 Mar 2020 | 5,821,332.56 |

FMTAC Liberty Trust East Side Access

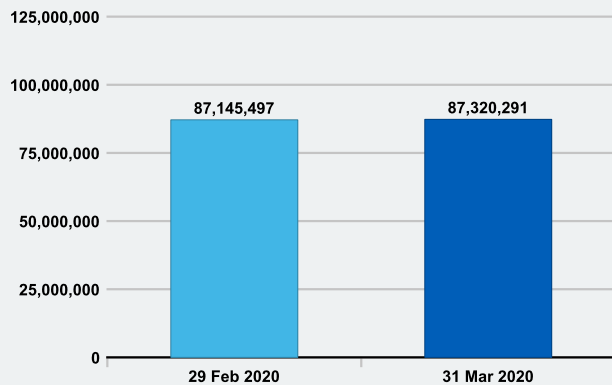
31 March 2020

Executive Summary

Performance Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

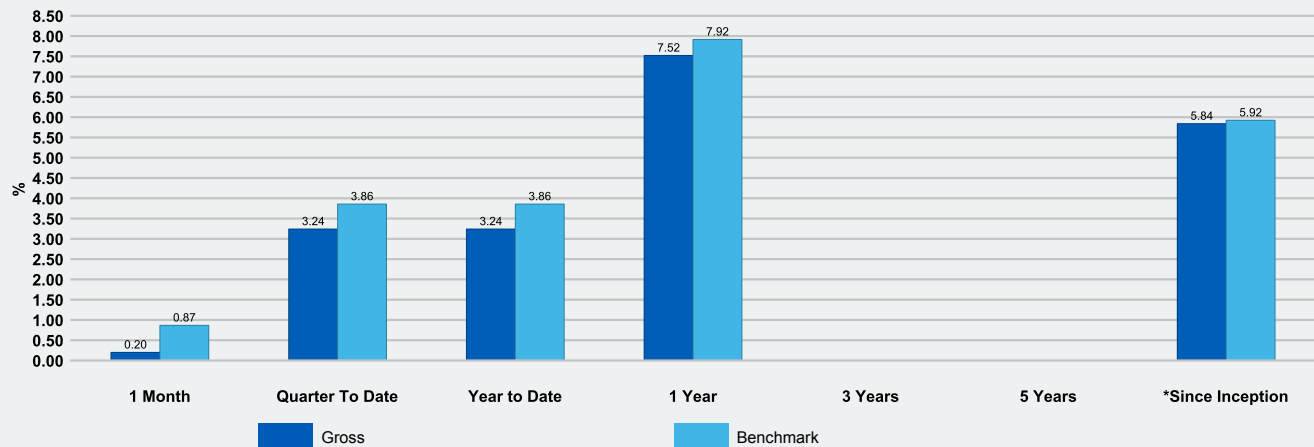
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 264,387.62 |
| Unrealized Gain/Loss | 4,604,537.65 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -67 | -62 | -62 | -40 | | | -8 |

Periods greater than one year are annualized.

* Since Inception returns are based on a 23 Feb 2018 Performance Start Date which may be different from Account Inception Date.

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FMTAC Liberty Trust East Side Access

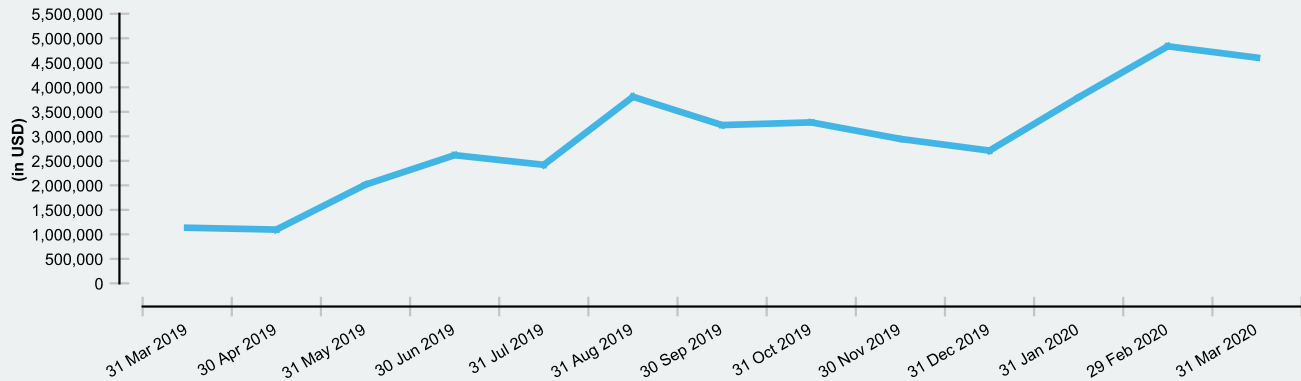
31 March 2020

Executive Summary

Performance Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 1,134,740.41 |
| 30 Apr 2019 | 1,096,741.10 |
| 31 May 2019 | 2,013,945.48 |
| 30 Jun 2019 | 2,615,512.47 |
| 31 Jul 2019 | 2,418,766.99 |
| 31 Aug 2019 | 3,806,373.80 |
| 30 Sep 2019 | 3,229,338.11 |
| 31 Oct 2019 | 3,284,403.26 |
| 30 Nov 2019 | 2,946,539.86 |
| 31 Dec 2019 | 2,708,651.25 |
| 31 Jan 2020 | 3,796,868.51 |
| 29 Feb 2020 | 4,836,340.45 |
| 31 Mar 2020 | 4,604,537.65 |

FMTAC Liberty Trust '06 NY Transit Authority

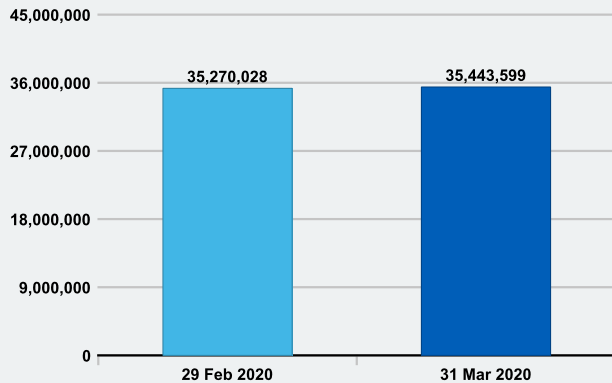
31 March 2020

Executive Summary

Performance Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

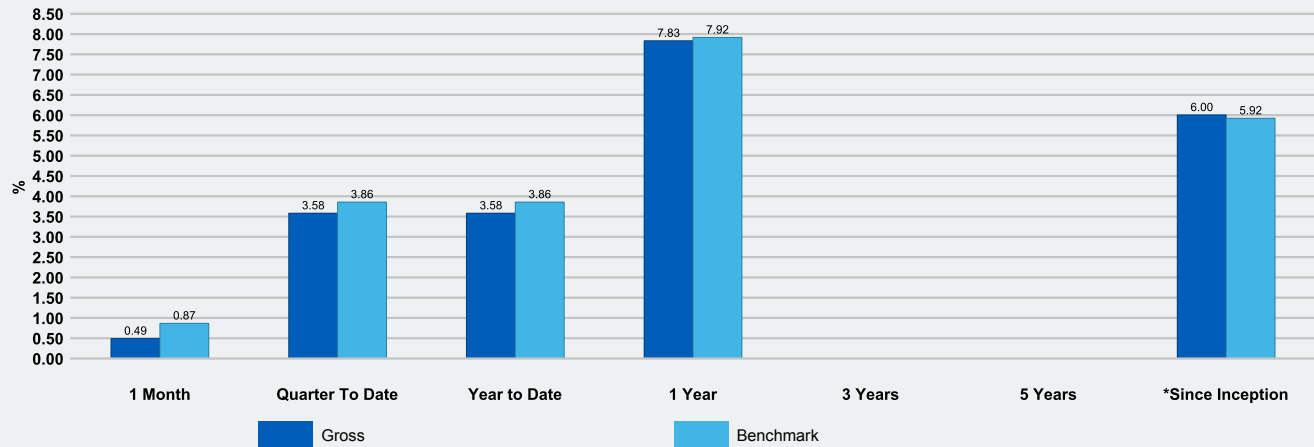
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 154,943.69 |
| Unrealized Gain/Loss | 1,951,983.95 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -38 | -28 | -28 | -9 | | | +8 |

Periods greater than one year are annualized.

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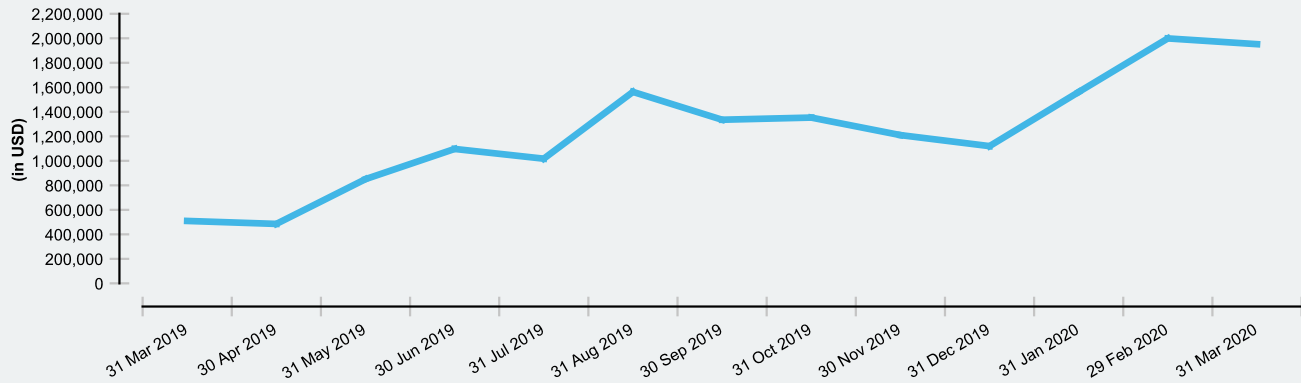
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Executive Summary

Performance Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 509,317.01 |
| 30 Apr 2019 | 485,043.65 |
| 31 May 2019 | 850,661.39 |
| 30 Jun 2019 | 1,096,907.27 |
| 31 Jul 2019 | 1,017,486.02 |
| 31 Aug 2019 | 1,562,447.18 |
| 30 Sep 2019 | 1,335,186.45 |
| 31 Oct 2019 | 1,352,795.65 |
| 30 Nov 2019 | 1,209,886.70 |
| 31 Dec 2019 | 1,119,991.23 |
| 31 Jan 2020 | 1,561,523.47 |
| 29 Feb 2020 | 1,998,849.76 |
| 31 Mar 2020 | 1,951,983.95 |

FMTAC Master Builders' Risk

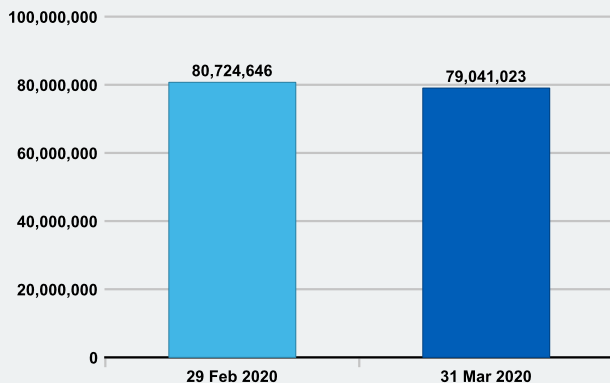
31 March 2020

Executive Summary

Performance Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

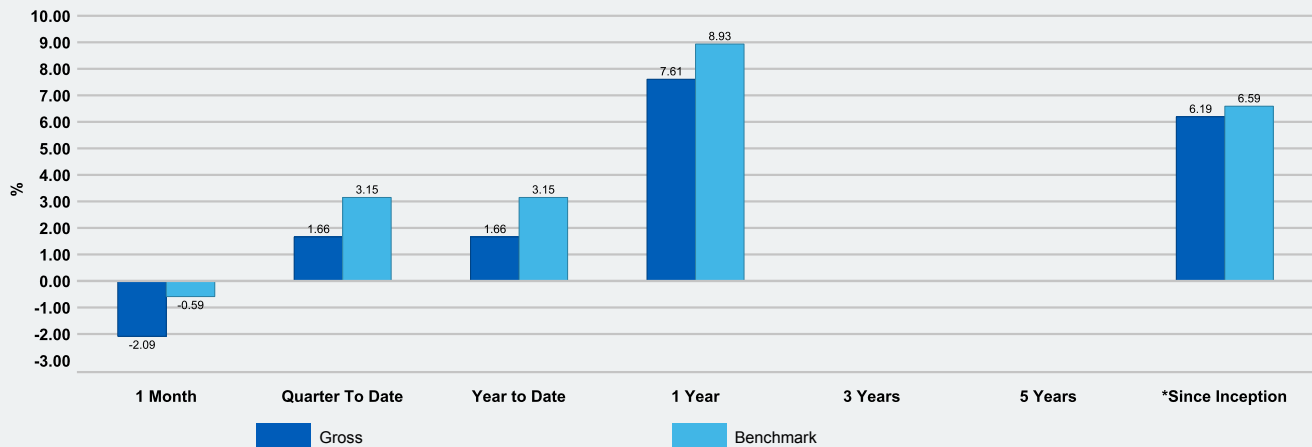
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 742,150.08 |
| Unrealized Gain/Loss | 2,923,092.75 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| -150 | -149 | -149 | -132 | | | -40 |

Periods greater than one year are annualized.

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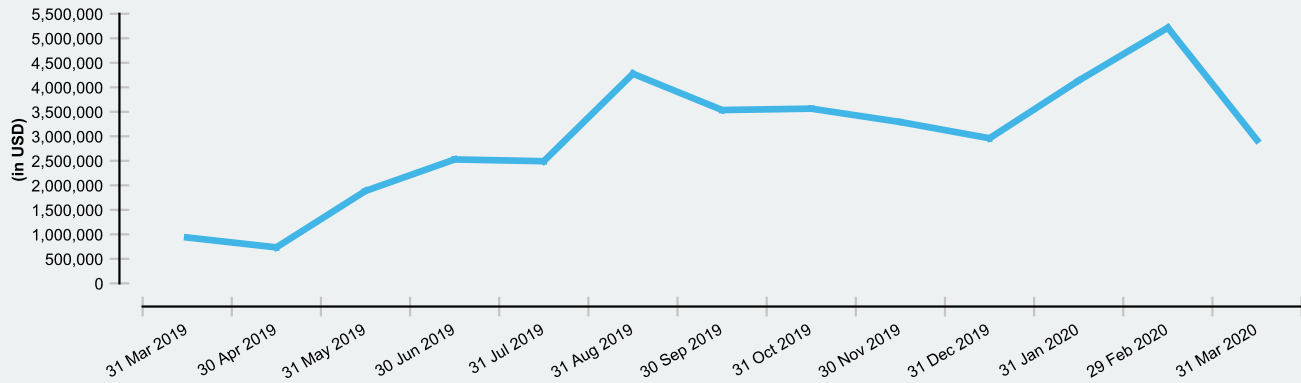
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Executive Summary

Performance Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 936,241.83 |
| 30 Apr 2019 | 733,558.38 |
| 31 May 2019 | 1,885,845.56 |
| 30 Jun 2019 | 2,528,289.50 |
| 31 Jul 2019 | 2,491,994.88 |
| 31 Aug 2019 | 4,276,995.39 |
| 30 Sep 2019 | 3,536,412.30 |
| 31 Oct 2019 | 3,564,324.15 |
| 30 Nov 2019 | 3,291,558.79 |
| 31 Dec 2019 | 2,960,246.51 |
| 31 Jan 2020 | 4,137,080.18 |
| 29 Feb 2020 | 5,215,269.00 |
| 31 Mar 2020 | 2,923,092.75 |

FMTAC Star Indemnity

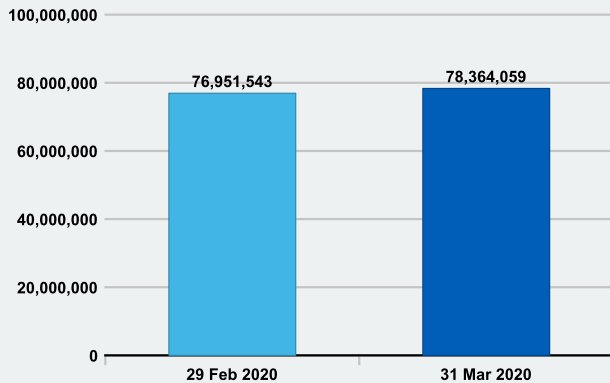
31 March 2020

Executive Summary

Performance Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

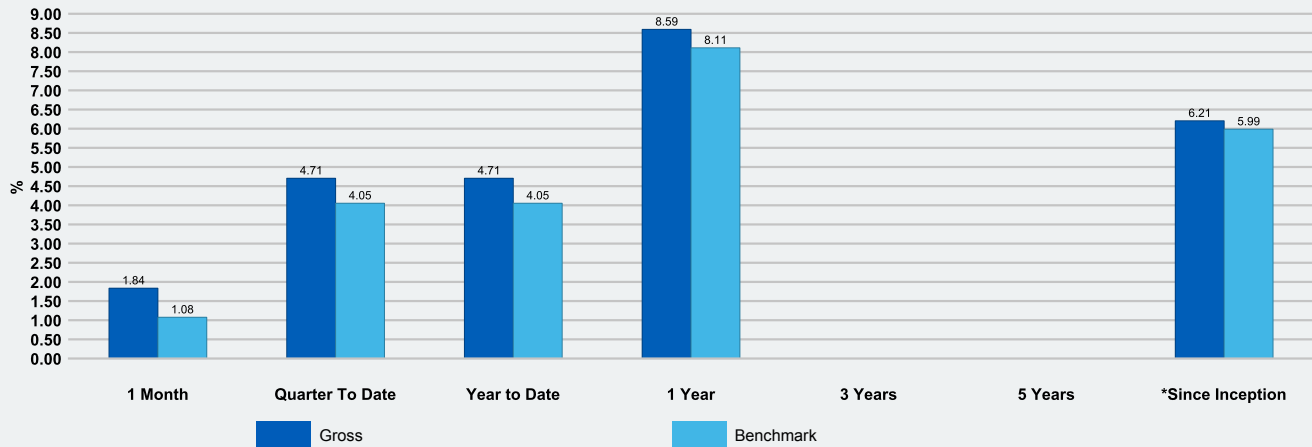
Total Market Value



Portfolio Activity

| | |
|---------------------------------|--------------|
| YTD Realized Gain/Loss | 26,207.64 |
| Unrealized Gain/Loss | 5,514,357.26 |
| Subscriptions/Redemptions (net) | 0.00 |
| Asset Transfers In/Out (net) | 0.00 |

Performance Gross of Fees %



Active Gross Return (bps)

| 1 Month | Quarter to Date | Year to Date | 1 Year | 3 Year | 5 Year | * Since Inception |
|---------|-----------------|--------------|--------|--------|--------|-------------------|
| +76 | +66 | +66 | +48 | | | +22 |

Periods greater than one year are annualized.

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FMTAC Star Indemnity

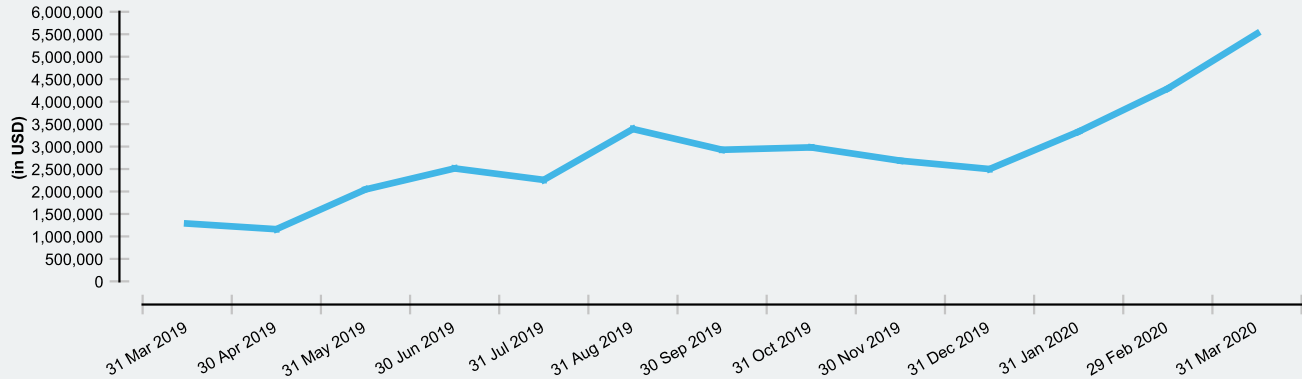
31 March 2020

Executive Summary

Performance Benchmark: **BBG Barc Intermediate Gov/Credit A or Higher Index**

Reporting Currency: **USD**

Unrealized Gain/Loss



| Dates | Unrealized Gain/Loss (in USD) |
|-------------|-------------------------------|
| 31 Mar 2019 | 1,287,124.42 |
| 30 Apr 2019 | 1,160,864.93 |
| 31 May 2019 | 2,045,635.07 |
| 30 Jun 2019 | 2,513,387.21 |
| 31 Jul 2019 | 2,258,583.23 |
| 31 Aug 2019 | 3,390,189.69 |
| 30 Sep 2019 | 2,928,409.01 |
| 31 Oct 2019 | 2,981,713.47 |
| 30 Nov 2019 | 2,685,040.24 |
| 31 Dec 2019 | 2,499,148.41 |
| 31 Jan 2020 | 3,333,350.08 |
| 29 Feb 2020 | 4,292,111.51 |
| 31 Mar 2020 | 5,514,357.26 |

FMTAC-AGG
Performance Attribution

31 March 2020

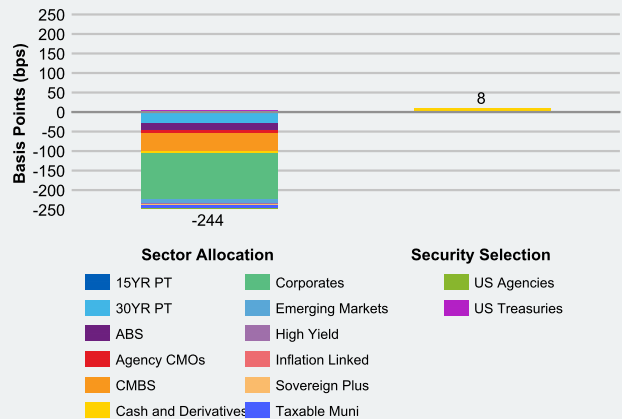
Reporting Currency: **USD**

| Performance by Sector | | Monthly | |
|------------------------|--------------------|---------|-------------------------|
| Description | Portfolio | | Total Performance (bps) |
| | Average Weight (%) | | |
| Portfolio | 100.00 | | -55 |
| Corporates | 20.20 | | -75 |
| US Treasuries | 38.17 | | 71 |
| CMBS | 9.33 | | -30 |
| ABS | 5.55 | | -14 |
| Emerging Markets | 0.54 | | -7 |
| 30YR PT | 12.37 | | 4 |
| Taxable Muni | 1.42 | | -4 |
| 15YR PT | 3.17 | | 3 |
| Sovereign Plus | 0.40 | | -3 |
| High Yield | 0.25 | | -3 |
| US Agencies | 0.93 | | 2 |
| Cash and Derivatives | 3.61 | | 1 |
| Agency CMOs | 3.96 | | -0 |
| Non-Agency ARMs & CMOs | 0.10 | | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -244 | 8 |
| Corporates | -119 | 0 |
| US Treasuries | 3 | 0 |
| CMBS | -48 | 0 |
| ABS | -19 | 0 |
| Emerging Markets | -8 | 0 |
| 30YR PT | -25 | 0 |
| Taxable Muni | -8 | 0 |
| 15YR PT | -2 | 0 |
| Sovereign Plus | -4 | 0 |
| High Yield | -3 | 0 |
| US Agencies | -1 | 0 |
| Cash and Derivatives | -4 | 8 |
| Agency CMOs | -6 | 0 |



Performance Attribution

Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

| Performance by Sector | | | | | Monthly |
|-----------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | 123 | 100.00 | 108 | 15 |
| Corporates | 20.32 | 0 | 18.40 | -50 | 51 |
| US Treasuries | 63.78 | 127 | 73.58 | 152 | -24 |
| CMBS | 7.43 | -6 | 0.00 | 0 | -7 |
| Sovereign Plus | 0.00 | 0 | 4.94 | 5 | -5 |
| Agency CMOs | 4.63 | -1 | 0.00 | 0 | -1 |
| Emerging Markets | 0.00 | 0 | 0.48 | -1 | 1 |
| Taxable Muni | 1.35 | -0 | 0.14 | -0 | 0 |
| US Agencies | 1.25 | 2 | 2.34 | 2 | 0 |
| Cash and Derivatives | 0.56 | 0 | 0.12 | 0 | 0 |
| High Yield | 0.38 | 0 | 0.00 | 0 | 0 |
| 30YR PT | 0.30 | 0 | 0.00 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

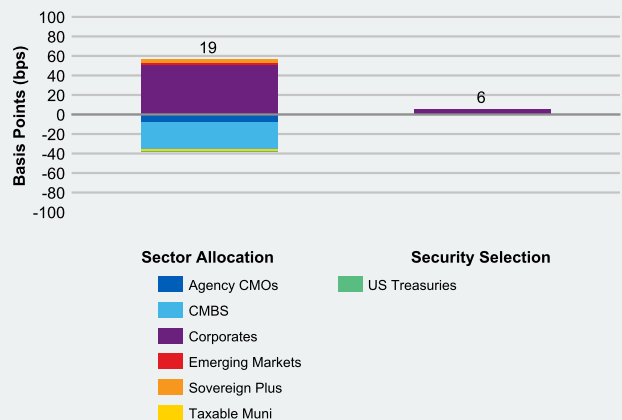
Monthly Attribution Summary

| Active (bps) | | | | | | | Total Active Performance |
|--------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| -1 | -5 | -3 | 0 | +19 | +6 | 0 | +15 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | 19 | 6 |
| Corporates | 51 | 6 |
| US Treasuries | -1 | 0 |
| CMBS | -27 | 0 |
| Sovereign Plus | 4 | 0 |
| Agency CMOs | -8 | 0 |
| Emerging Markets | 2 | 0 |
| Taxable Muni | -2 | 0 |



FMTAC Discovery Re Trust

31 March 2020

Performance Attribution

Risk Benchmark: ICE BofAML 1 Yr US Treasury Note Index (GC03)

Reporting Currency: USD

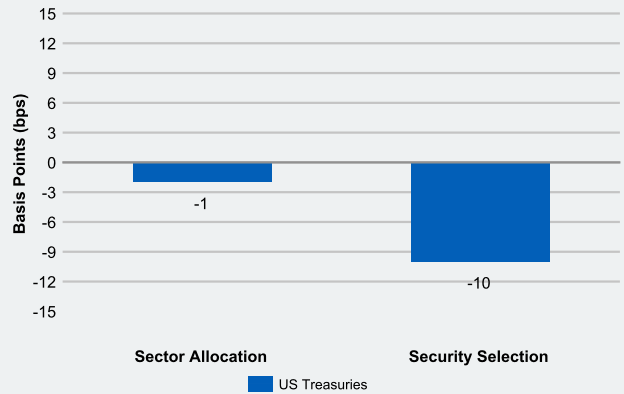
| Performance by Sector | | | | | Monthly |
|-----------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | 42 | 100.00 | 99 | -57 |
| US Treasuries | 80.90 | 33 | 100.00 | 99 | -66 |
| Cash and Derivatives | 19.10 | 9 | 0.00 | 0 | 9 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

| Monthly Attribution Summary | | | | | | | Total Active Performance |
|-----------------------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Active (bps) | | | | | | | Total Active Performance |
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| -20 | -24 | -2 | 0 | -1 | -10 | 0 | -57 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -1 | -10 |
| US Treasuries | -2 | -10 |



FMTAC Excess Loss Fund

31 March 2020

Performance Attribution

Risk Benchmark: **BBG Barc Intermediate Aggregate Index**

Reporting Currency: **USD**

Performance by Sector Monthly

| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
|------------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | -153 | 100.00 | -4 | -149 |
| US Treasuries | 13.73 | 32 | 40.17 | 82 | -49 |
| CMBS | 13.49 | -45 | 2.57 | -8 | -39 |
| 30YR PT | 24.73 | 6 | 28.67 | 31 | -24 |
| ABS | 9.45 | -25 | 0.52 | -1 | -24 |
| Corporates | 22.44 | -105 | 18.89 | -96 | -9 |
| Sovereign Plus | 0.53 | -5 | 3.17 | 1 | -5 |
| 15YR PT | 6.40 | 6 | 3.08 | 3 | 4 |
| Emerging Markets | 1.06 | -11 | 0.54 | -7 | -4 |
| Taxable Muni | 1.72 | -4 | 0.10 | -0 | -3 |
| High Yield | 0.24 | -5 | 0.27 | -9 | 3 |
| Agency CMOs | 4.96 | 0 | 0.00 | 0 | 0 |
| US Agencies | 0.63 | 1 | 1.28 | 1 | 0 |
| Cash and Derivatives | 0.52 | 0 | 0.75 | 0 | 0 |
| Non-Agency ARMs & CMOs | 0.11 | 0 | 0.00 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

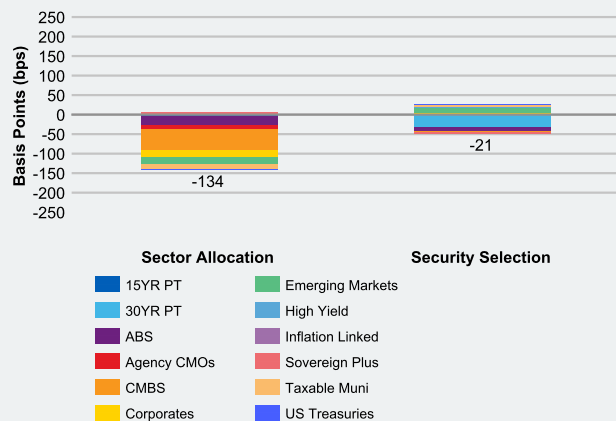
Monthly Attribution Summary

| Duration | Curve | Trade | FX | Active (bps) | | | Total Active Performance |
|----------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| | | | | Sector Allocation | Security Selection | Unassigned | |
| +6 | 0 | 0 | 0 | -134 | -21 | 0 | -149 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -134 | -21 |
| US Treasuries | -2 | 1 |
| CMBS | -56 | -2 |
| 30YR PT | 1 | -32 |
| ABS | -23 | -10 |
| Corporates | -17 | 4 |
| Sovereign Plus | 3 | -4 |
| 15YR PT | -4 | 2 |
| Emerging Markets | -18 | 13 |
| Taxable Muni | -13 | 6 |
| High Yield | 2 | 1 |
| Agency CMOs | -8 | 0 |



FMTAC General Operating Account

31 March 2020

Performance Attribution

Risk Benchmark: BBG Barc U.S. Aggregate Index

Reporting Currency: USD

Performance by Sector Monthly

| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
|------------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | -167 | 100.00 | -59 | -108 |
| US Treasuries | 19.50 | 67 | 41.37 | 117 | -48 |
| CMBS | 10.17 | -36 | 2.09 | -7 | -31 |
| ABS | 6.81 | -20 | 0.42 | -1 | -20 |
| 30YR PT | 21.88 | 8 | 23.34 | 25 | -17 |
| High Yield | 0.19 | -4 | 0.30 | -12 | 8 |
| Corporates | 27.36 | -155 | 23.60 | -161 | 7 |
| Taxable Muni | 2.14 | -10 | 0.69 | -6 | -4 |
| 15YR PT | 4.76 | 5 | 2.51 | 2 | 2 |
| Sovereign Plus | 0.91 | -7 | 3.11 | -5 | -2 |
| Agency CMOs | 4.15 | -1 | 0.00 | 0 | -1 |
| Emerging Markets | 1.00 | -13 | 0.70 | -12 | -1 |
| US Agencies | 0.00 | 0 | 1.25 | 1 | -1 |
| Cash and Derivatives | 0.92 | 0 | 0.62 | 0 | 0 |
| Non-Agency ARMs & CMOs | 0.21 | 0 | 0.00 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

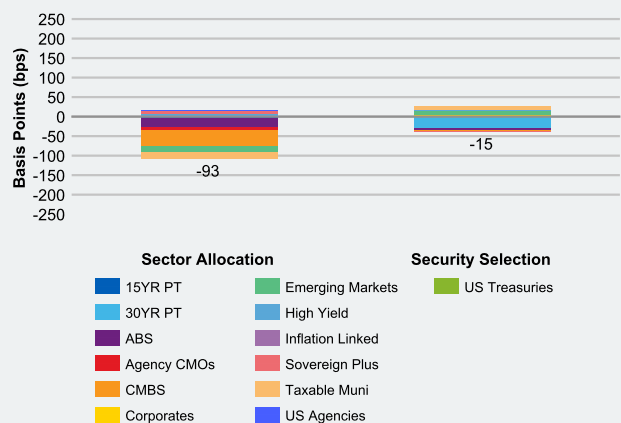
Monthly Attribution Summary

| Active (bps) | | | | | | | Total Active Performance |
|--------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| +10 | -4 | -5 | 0 | -93 | -15 | 0 | -108 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -93 | -15 |
| US Treasuries | -2 | 0 |
| CMBS | -41 | -1 |
| ABS | -22 | -5 |
| 30YR PT | 0 | -29 |
| High Yield | 7 | 1 |
| Corporates | -2 | 2 |
| Taxable Muni | -17 | 8 |
| 15YR PT | -3 | 2 |
| Sovereign Plus | 7 | -5 |
| Agency CMOs | -8 | 0 |
| Emerging Markets | -14 | 12 |
| US Agencies | 1 | 0 |



FMTAC Liberty Trust East Side Access

31 March 2020

Performance Attribution

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Performance by Sector Monthly

| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
|------------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | 19 | 100.00 | 87 | -68 |
| US Treasuries | 35.04 | 87 | 67.98 | 140 | -51 |
| CMBS | 16.13 | -45 | 4.22 | -13 | -33 |
| Corporates | 25.90 | -15 | 17.00 | -46 | 32 |
| ABS | 8.80 | -17 | 0.84 | -2 | -16 |
| Sovereign Plus | 0.00 | 0 | 4.60 | 5 | -4 |
| 15YR PT | 3.36 | 4 | 2.42 | 2 | 2 |
| US Agencies | 2.46 | 4 | 2.16 | 2 | 2 |
| Agency CMOs | 7.21 | 2 | 0.00 | 0 | 1 |
| Emerging Markets | 0.00 | 0 | 0.44 | -1 | 1 |
| Taxable Muni | 0.81 | -1 | 0.13 | -0 | 0 |
| High Yield | 0.27 | 0 | 0.00 | 0 | 0 |
| 30YR PT | 0.21 | -0 | 0.05 | 0 | 0 |
| Non-Agency ARMs & CMOs | 0.07 | 0 | 0.00 | 0 | 0 |
| Cash and Derivatives | -0.28 | 0 | 0.16 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

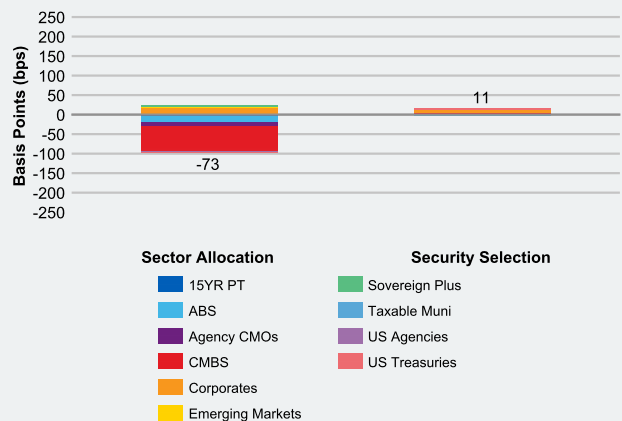
Monthly Attribution Summary

| Active (bps) | | | | | | | Total Active Performance |
|--------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| +4 | -6 | -4 | 0 | -73 | +11 | 0 | -68 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -73 | 11 |
| US Treasuries | -2 | 3 |
| CMBS | -63 | 3 |
| Corporates | 18 | 6 |
| ABS | -17 | -4 |
| Sovereign Plus | 4 | 0 |
| 15YR PT | -2 | 3 |
| US Agencies | -1 | 0 |
| Agency CMOs | -10 | 0 |
| Emerging Markets | 1 | 0 |
| Taxable Muni | -2 | 1 |



FMTAC Liberty Trust '06 NY Transit Authority

31 March 2020

Performance Attribution

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Performance by Sector Monthly

| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
|------------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | 49 | 100.00 | 87 | -38 |
| Corporates | 24.93 | -2 | 17.00 | -46 | 44 |
| US Treasuries | 37.49 | 96 | 67.98 | 140 | -43 |
| CMBS | 15.30 | -43 | 4.22 | -13 | -31 |
| ABS | 6.75 | -12 | 0.84 | -2 | -11 |
| Sovereign Plus | 0.00 | 0 | 4.60 | 5 | -4 |
| Agency CMOs | 7.06 | 3 | 0.00 | 0 | 3 |
| US Agencies | 2.43 | 4 | 2.16 | 2 | 2 |
| 15YR PT | 3.28 | 4 | 2.42 | 2 | 1 |
| Taxable Muni | 1.62 | 1 | 0.13 | -0 | 1 |
| 30YR PT | 0.46 | -1 | 0.05 | 0 | -1 |
| Emerging Markets | 0.00 | 0 | 0.44 | -1 | 1 |
| High Yield | 0.67 | 0 | 0.00 | 0 | 0 |
| Non-Agency ARMs & CMOs | 0.18 | 0 | 0.00 | 0 | 0 |
| Cash and Derivatives | -0.17 | 0 | 0.16 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

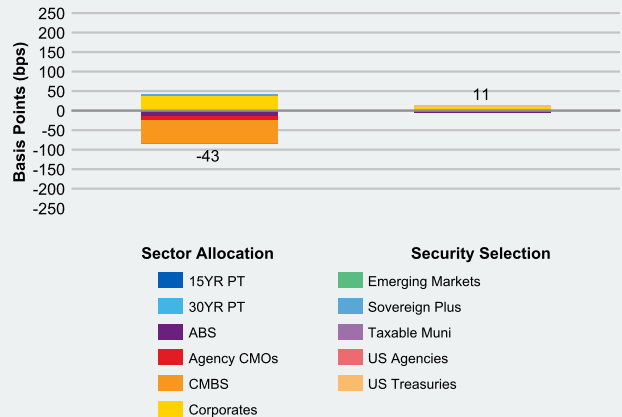
Monthly Attribution Summary

| Active (bps) | | | | | | | Total Active Performance |
|--------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| +6 | -6 | -5 | 0 | -44 | +11 | 0 | -38 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -44 | 11 |
| Corporates | 38 | 4 |
| US Treasuries | -2 | 3 |
| CMBS | -59 | 3 |
| ABS | -12 | -3 |
| Sovereign Plus | 4 | 0 |
| Agency CMOs | -9 | 0 |
| US Agencies | -1 | 0 |
| 15YR PT | -2 | 3 |
| Taxable Muni | -1 | 1 |
| 30YR PT | 0 | -1 |
| Emerging Markets | 1 | 0 |



FMTAC Master Builders' Risk

31 March 2020

Performance Attribution

Risk Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

Performance by Sector Monthly

| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
|------------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | -209 | 100.00 | -59 | -150 |
| US Treasuries | 11.19 | 57 | 41.37 | 117 | -58 |
| CMBS | 12.14 | -44 | 2.09 | -7 | -39 |
| ABS | 7.71 | -22 | 0.42 | -1 | -22 |
| 30YR PT | 21.05 | 4 | 23.34 | 25 | -21 |
| Taxable Muni | 3.16 | -14 | 0.69 | -6 | -8 |
| Sovereign Plus | 0.84 | -8 | 3.11 | -5 | -3 |
| Corporates | 33.03 | -160 | 23.60 | -161 | 2 |
| Emerging Markets | 0.88 | -14 | 0.70 | -12 | -2 |
| High Yield | 0.75 | -10 | 0.30 | -12 | 2 |
| Agency CMOs | 5.35 | -0 | 0.00 | 0 | -1 |
| US Agencies | 0.00 | 0 | 1.25 | 1 | -1 |
| 15YR PT | 2.27 | 2 | 2.51 | 2 | 0 |
| Cash and Derivatives | 1.47 | 0 | 0.62 | 0 | 0 |
| Non-Agency ARMs & CMOs | 0.15 | 0 | 0.00 | 0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

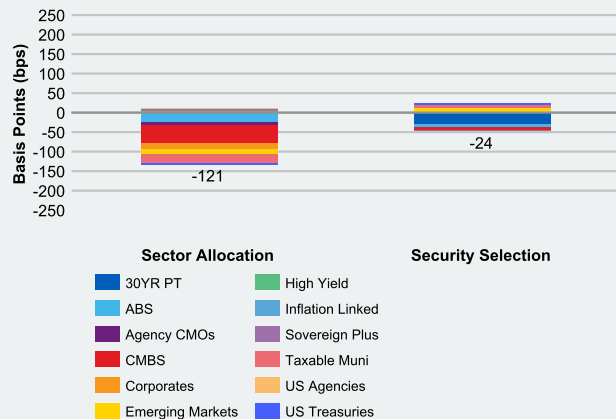
Monthly Attribution Summary

| Active (bps) | | | | | | | Total Active Performance |
|--------------|-------|-------|----|-------------------|--------------------|------------|--------------------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | Unassigned | |
| +8 | -8 | -5 | 0 | -121 | -24 | 0 | -150 |

Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | -121 | -24 |
| US Treasuries | -3 | 3 |
| CMBS | -46 | -7 |
| ABS | -23 | -7 |
| 30YR PT | 2 | -29 |
| Taxable Muni | -24 | 8 |
| Sovereign Plus | 7 | -5 |
| Corporates | -14 | 2 |
| Emerging Markets | -13 | 10 |
| High Yield | 2 | 0 |
| Agency CMOs | -9 | 0 |
| US Agencies | 1 | 0 |



FMTAC Star Indemnity

31 March 2020

Performance Attribution

Risk Benchmark: **BBG Barc Intermediate Gov/Credit A or Higher Index**

Reporting Currency: **USD**

| Performance by Sector | | | | | Monthly |
|-----------------------|--------------------|-------------------------|--------------------|-------------------------|--------------------------------|
| Description | Portfolio | | Benchmark | | Total Active Performance (bps) |
| | Average Weight (%) | Total Performance (bps) | Average Weight (%) | Total Performance (bps) | |
| Portfolio | 100.00 | 184 | 100.00 | 108 | 76 |
| Corporates | 5.84 | 12 | 18.40 | -50 | 63 |
| US Treasuries | 85.55 | 166 | 73.58 | 152 | 13 |
| Sovereign Plus | 0.00 | 0 | 4.94 | 5 | -5 |
| US Agencies | 3.48 | 5 | 2.34 | 2 | 3 |
| Cash and Derivatives | 5.13 | 1 | 0.12 | 0 | 1 |
| Emerging Markets | 0.00 | 0 | 0.48 | -1 | 1 |
| Taxable Muni | 0.00 | 0 | 0.14 | -0 | 0 |

Differences in pricing, transaction timing and methodology between the official return and the analytical return used in performance attribution calculations may result in unassigned returns.

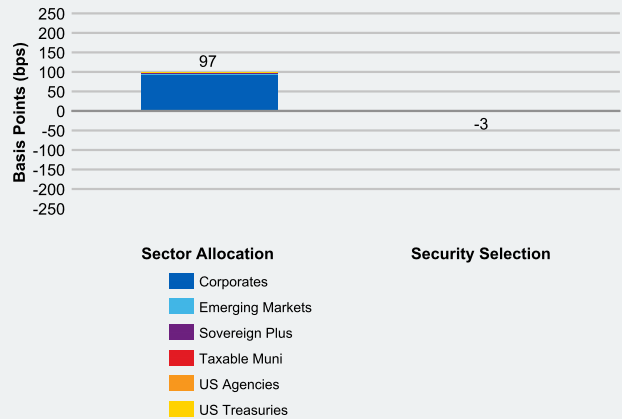
Monthly Attribution Summary

| Active (bps) | | | | | | Total Active Performance | |
|--------------|-------|-------|----|-------------------|--------------------|--------------------------|------------|
| Duration | Curve | Trade | FX | Sector Allocation | Security Selection | | Unassigned |
| -9 | -6 | -4 | 0 | +97 | -3 | 0 | +76 |

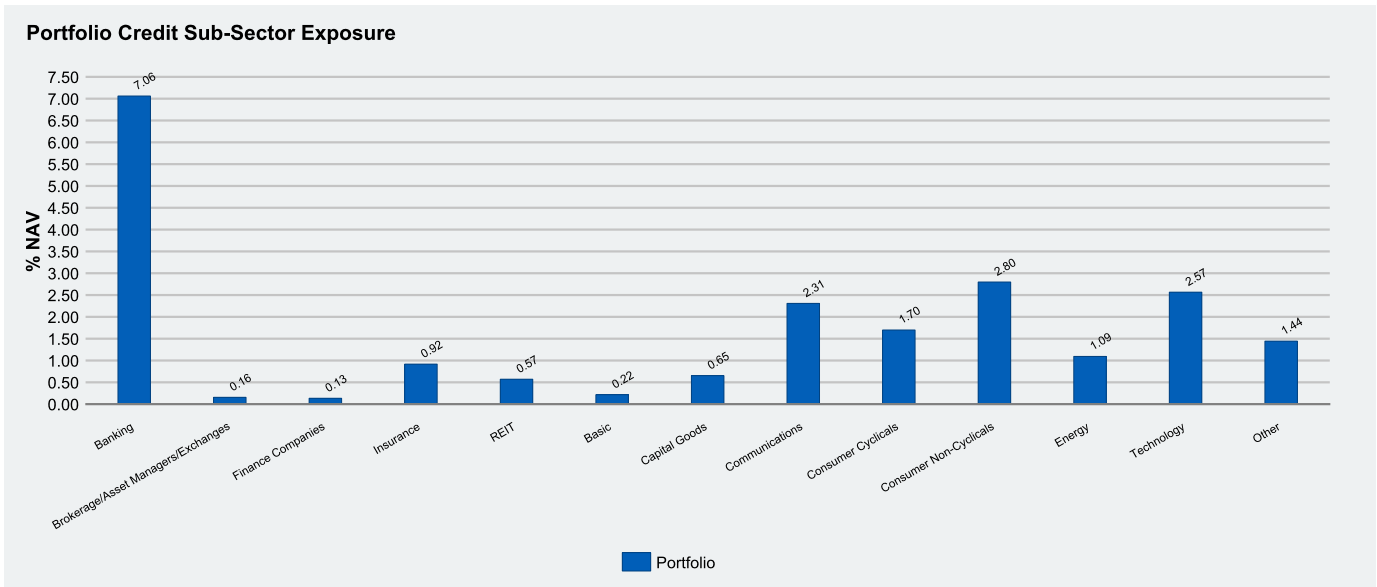
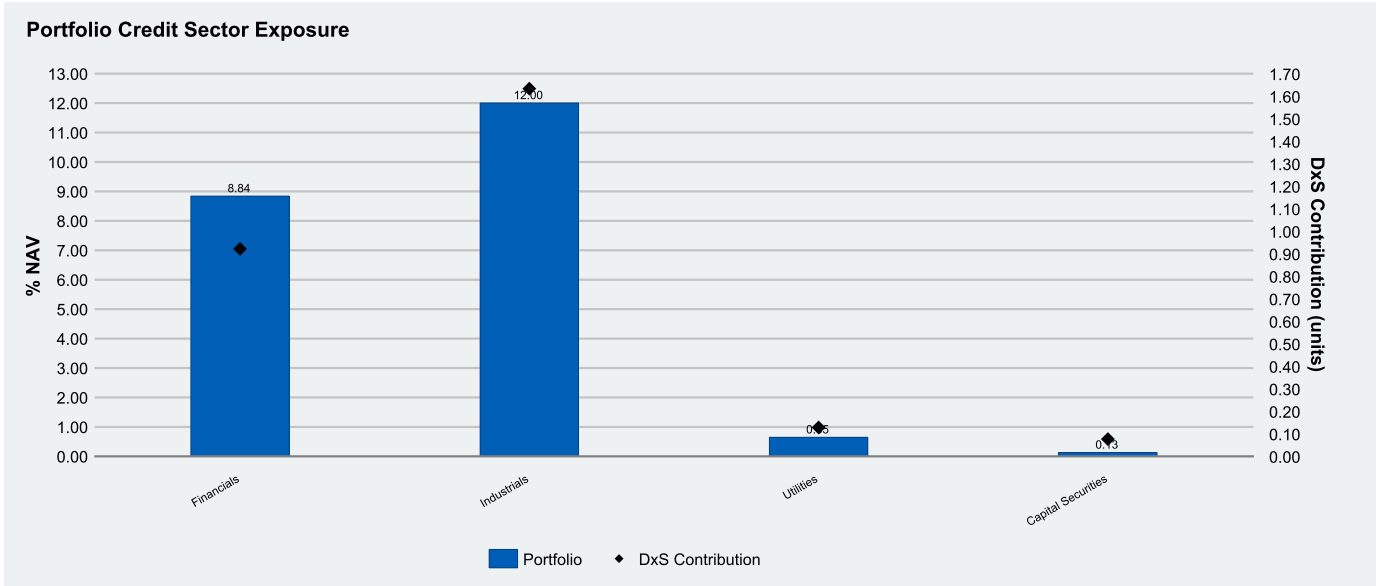
Sector allocation is the effect of over/underweight positions. Security selection is the performance of stock against benchmark assets.

Monthly Excess Performance by Sector (bps)

| Sector | Month To Date | |
|---------------------------------|-------------------|--------------------|
| | Sector Allocation | Security Selection |
| Total Excess Performance | 97 | -3 |
| Corporates | 92 | -2 |
| US Treasuries | 1 | -1 |
| Sovereign Plus | 4 | 0 |
| US Agencies | -2 | 0 |
| Emerging Markets | 2 | 0 |
| Taxable Muni | 1 | 0 |



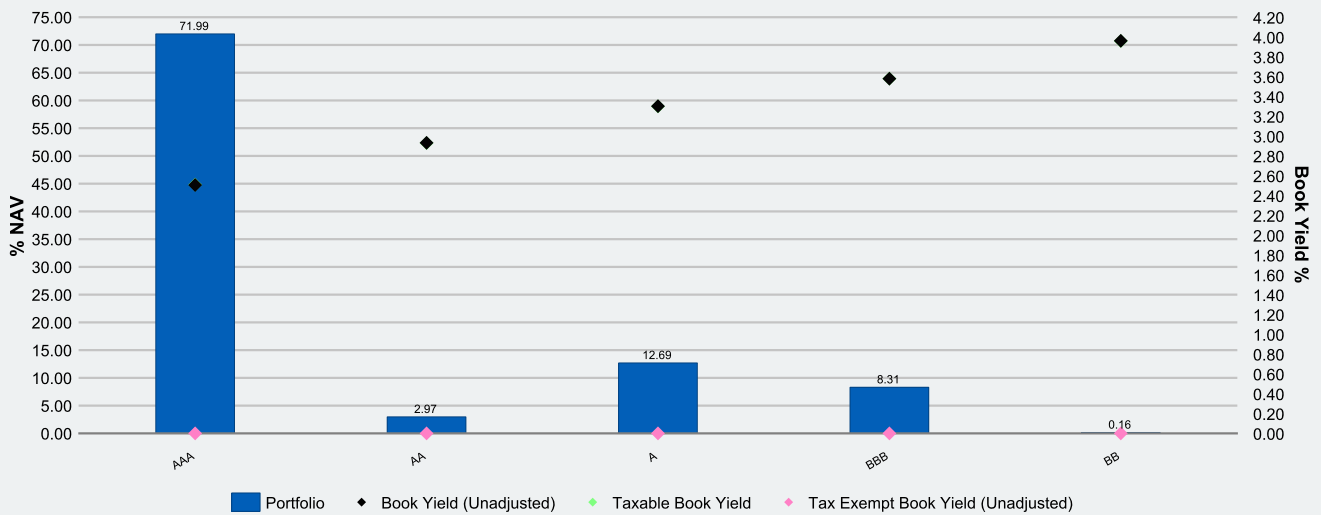
Reporting Currency: USD



Portfolio Credit Positioning

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



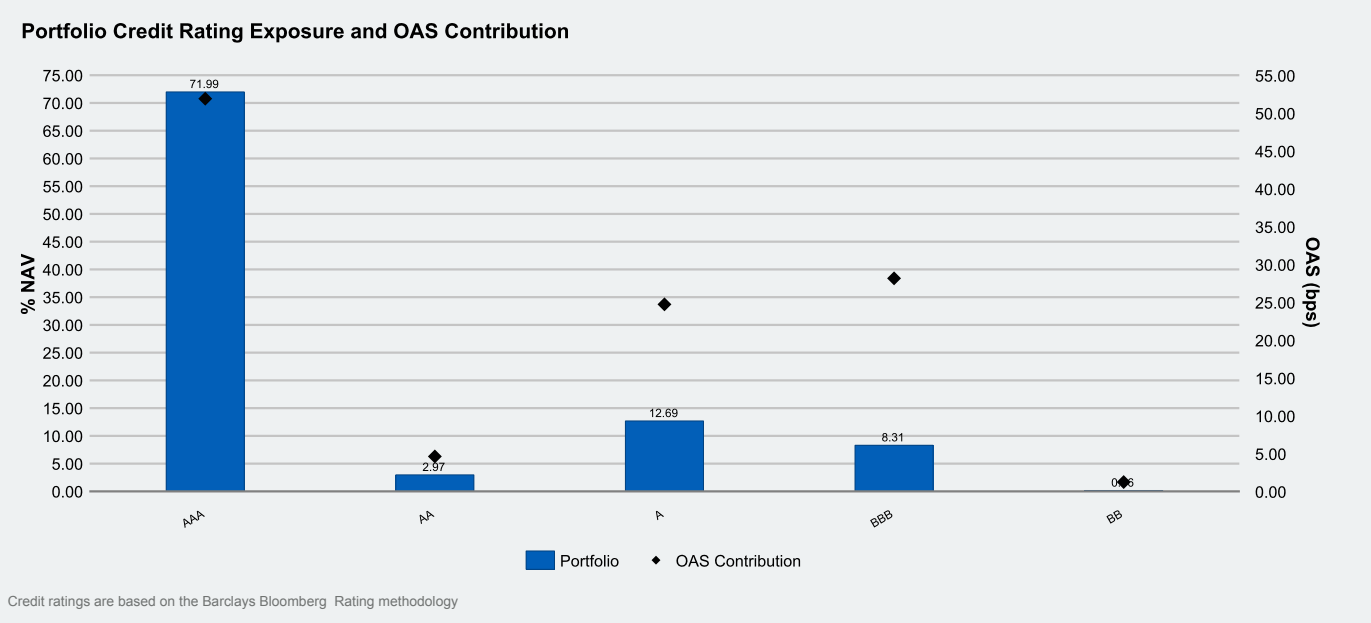
Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
 Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | |
|--------------------|----------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio |
| Total | 2.70 | 3.69 | 0.73 |
| AAA Rated or above | 2.51 | 3.35 | 0.75 |
| AA Rated | 2.93 | 6.23 | 0.47 |
| A Rated | 3.30 | 4.90 | 0.67 |
| BBB Rated | 3.58 | 5.59 | 0.64 |
| BB Rated | 3.96 | 0.00 | 0.00 |

Portfolio Credit Positioning

Reporting Currency: USD



Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 100.11 | 7.25 |
| GOVERNMENT NATIONAL MORTGAGE ASSOCIATION II | 62.09 | 2.27 |
| FORD CREDIT FLOORPLAN MASTER OWNER TRUST | 364.85 | 2.26 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---------------------------------------|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 81.85 | 0.93 |
| WELLS FARGO & COMPANY | 176.34 | 0.74 |
| BANK OF AMERICA CORP | 229.17 | 0.64 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: Greater than 12 years

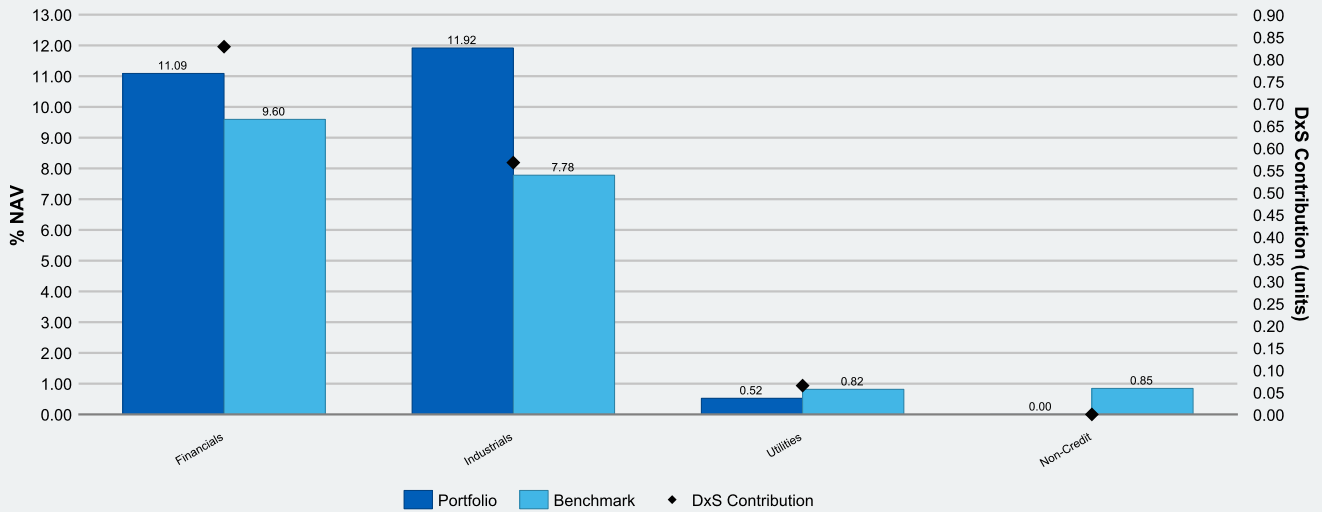
| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------------------|-----------|------------------------|
| BNP PARIBAS SA | 483.28 | 0.63 |
| UTAH TRANSIT AUTH | 170.76 | 0.35 |
| ENTERPRISE PRODUCTS OPERATING LLC | 324.01 | 0.32 |

Portfolio Credit Positioning

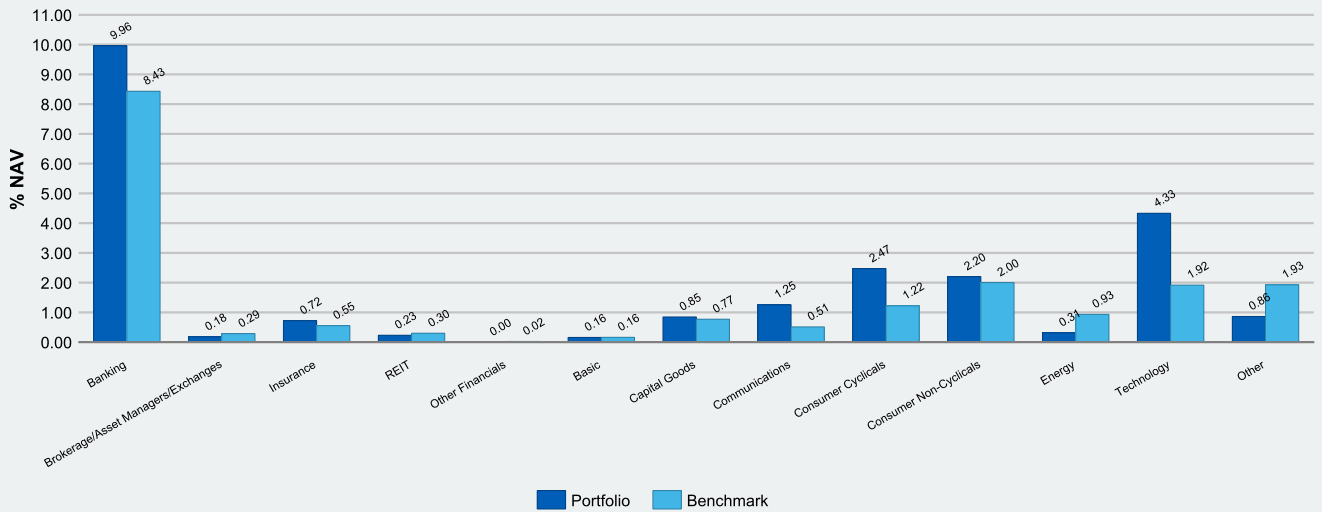
Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure

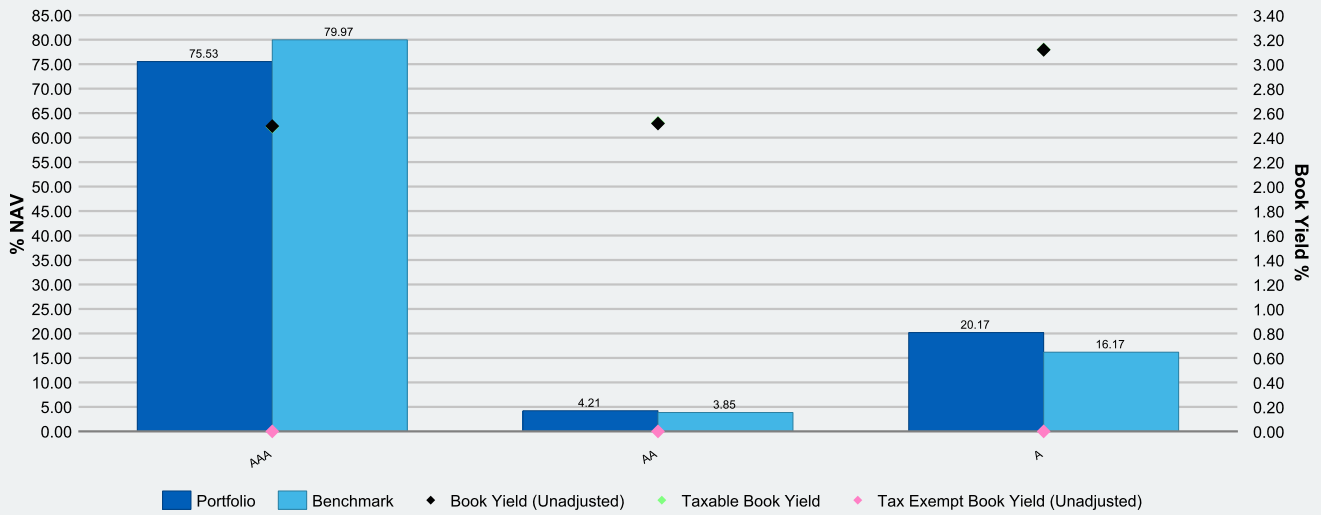


Portfolio Credit Positioning

Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
 Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

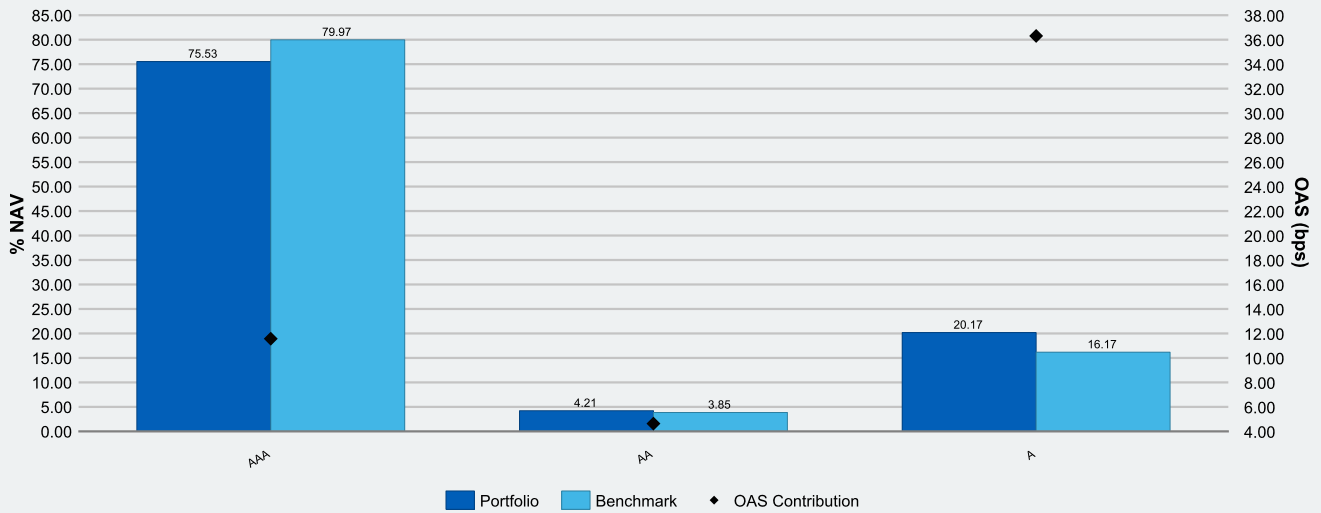
| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.62 | 3.76 | 0.70 | 0.79 | 3.83 | 0.21 |
| AAA Rated or above | 2.49 | 3.92 | 0.64 | 0.41 | 3.75 | 0.11 |
| AA Rated | 2.52 | 2.83 | 0.89 | 1.71 | 3.69 | 0.46 |
| A Rated | 3.12 | 3.38 | 0.92 | 2.43 | 4.25 | 0.57 |

Portfolio Credit Positioning

Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------------|-----------|------------------------|
| JPMORGAN CHASE & CO | 198.47 | 3.80 |
| WELLS FARGO & COMPANY | 200.45 | 2.32 |
| GOLDMAN SACHS GROUP INC/THE | 188.54 | 1.35 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

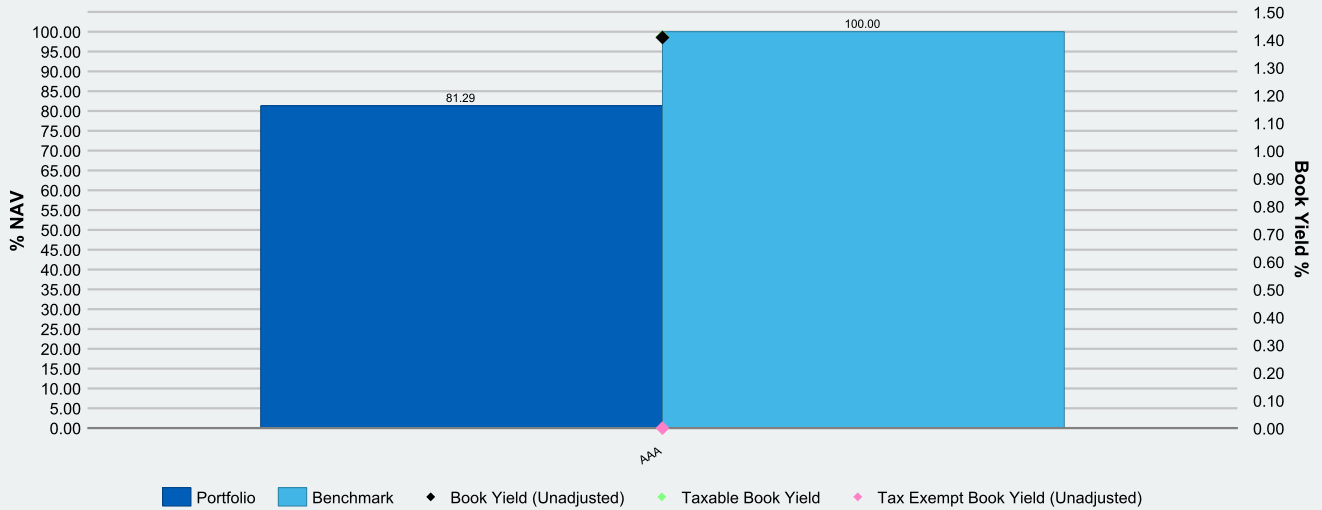
| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FNMA_19-M12 | 118.69 | 1.34 |
| BANK OF AMERICA CORP | 226.50 | 1.10 |
| FRESB MULTIFAMILY MORTGAGE PASS-THROUGH FRESB_18-SB54 | 157.79 | 0.69 |

Portfolio Credit Positioning

Risk Benchmark: ICE BofAML 1 Yr US Treasury Note Index (GC03)

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
 Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 1.44 | 0.45 | 3.19 | 0.10 | 0.91 | 0.11 |
| AAA Rated or above | 1.41 | 0.45 | 3.13 | 0.10 | 0.91 | 0.11 |

FMTAC Discovery Re Trust

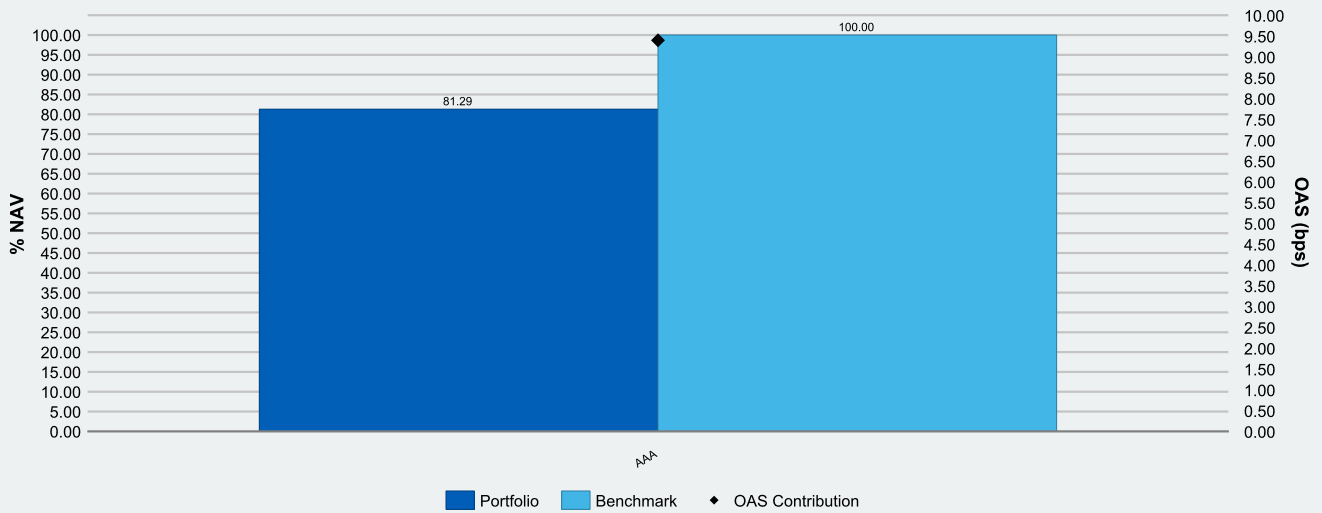
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: ICE BofAML 1 Yr US Treasury Note Index (GC03)

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

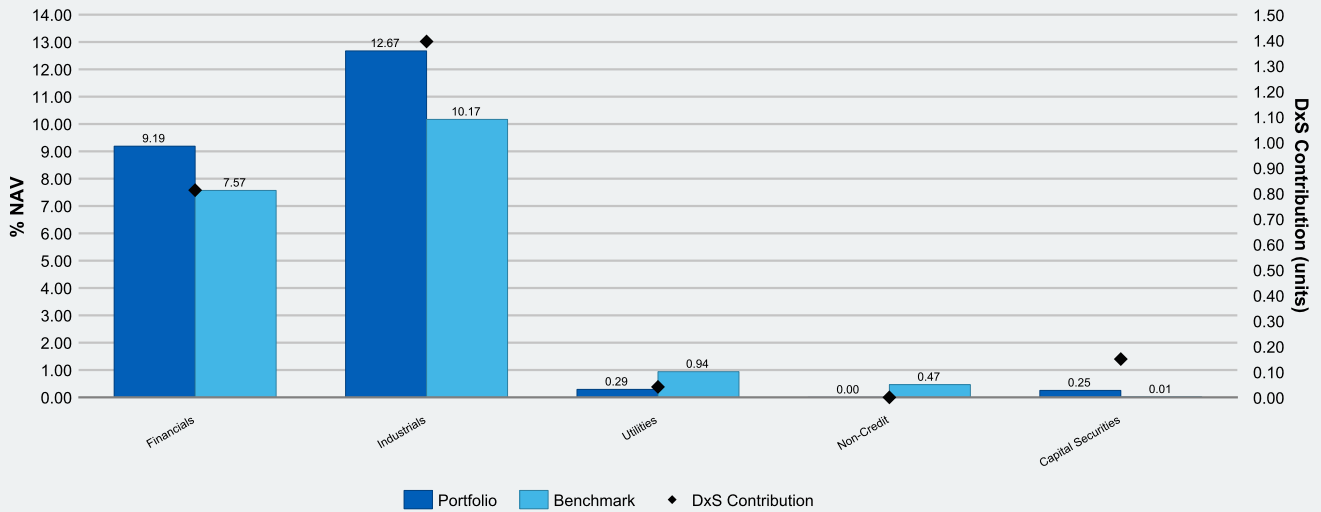
| Issuer | OAS (bps) | OAS Contribution (bps) |
|------------------------|-----------|------------------------|
| UNITED STATES TREASURY | 11.56 | 9.40 |

Portfolio Credit Positioning

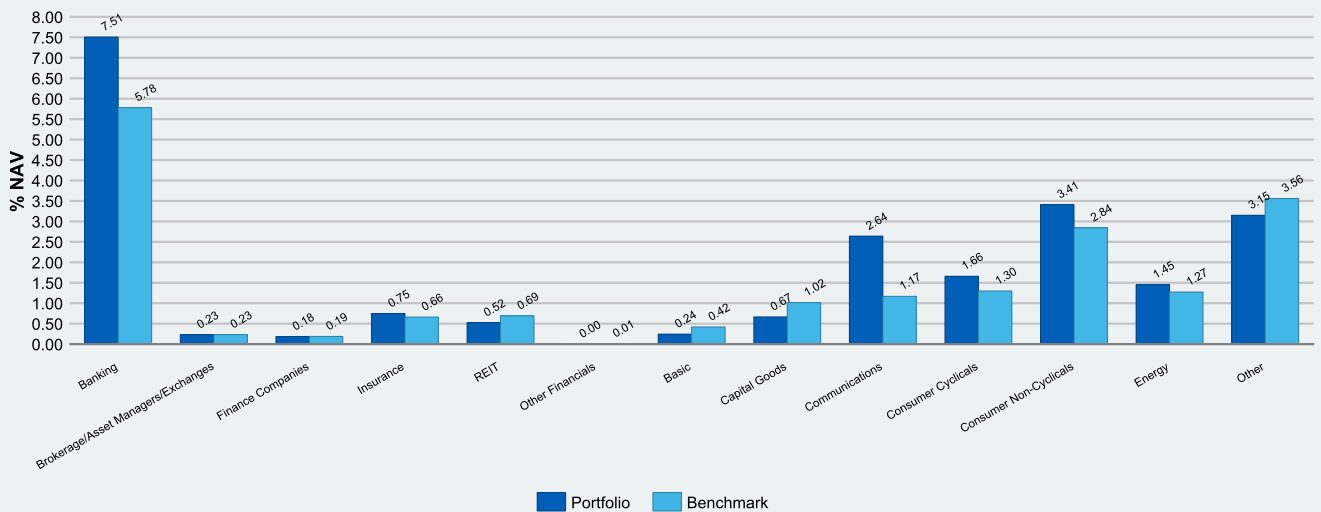
Risk Benchmark: BBG Barc Intermediate Aggregate Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure

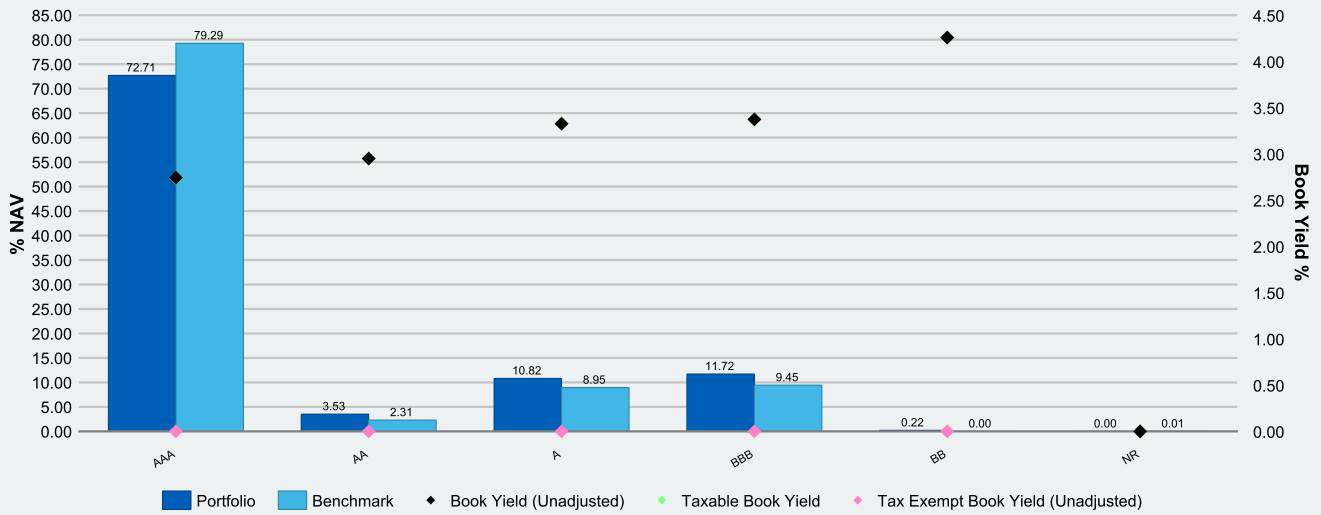


Portfolio Credit Positioning

Risk Benchmark: BBG Barc Intermediate Aggregate Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

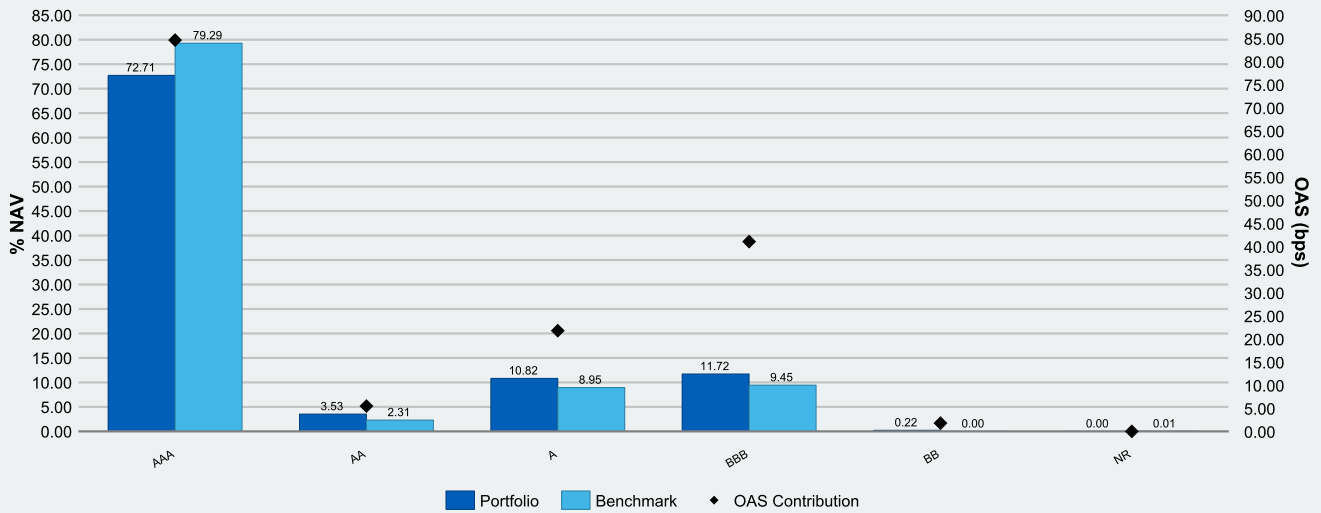
| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.90 | 3.09 | 0.94 | 1.42 | 3.13 | 0.45 |
| AAA Rated or above | 2.74 | 2.78 | 0.99 | 0.96 | 2.84 | 0.34 |
| AA Rated | 2.95 | 5.20 | 0.57 | 1.89 | 3.82 | 0.49 |
| A Rated | 3.33 | 3.98 | 0.84 | 2.46 | 4.26 | 0.58 |
| BBB Rated | 3.37 | 3.91 | 0.86 | 4.10 | 4.35 | 0.94 |
| BB Rated | 4.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Portfolio Credit Positioning

Risk Benchmark: BBG Barc Intermediate Aggregate Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 107.29 | 16.62 |
| GOVERNMENT NATIONAL MORTGAGE ASSOCIATION II | 53.59 | 3.72 |
| BX COMMERCIAL MORTGAGE TRUST BX_19-XL | 422.64 | 3.39 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 86.96 | 1.43 |
| FEDERAL HOME LOAN MORTGAGE CORPORATION - GOLD | 115.02 | 1.32 |
| JPMORGAN CHASE & CO | 199.90 | 1.18 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: Greater than 12 years

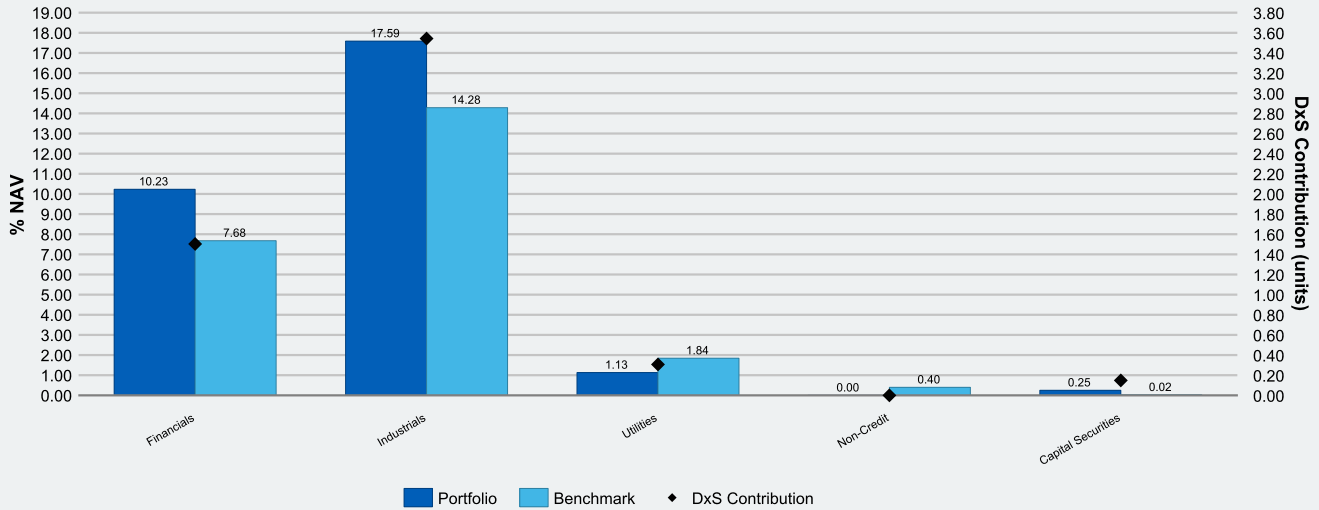
| Issuer | OAS (bps) | OAS Contribution (bps) |
|---------------------------------------|-----------|------------------------|
| BNP PARIBAS SA | 483.28 | 1.23 |
| SACRAMENTO MUNICIPAL UTILITY DISTRICT | 204.18 | 0.82 |

Portfolio Credit Positioning

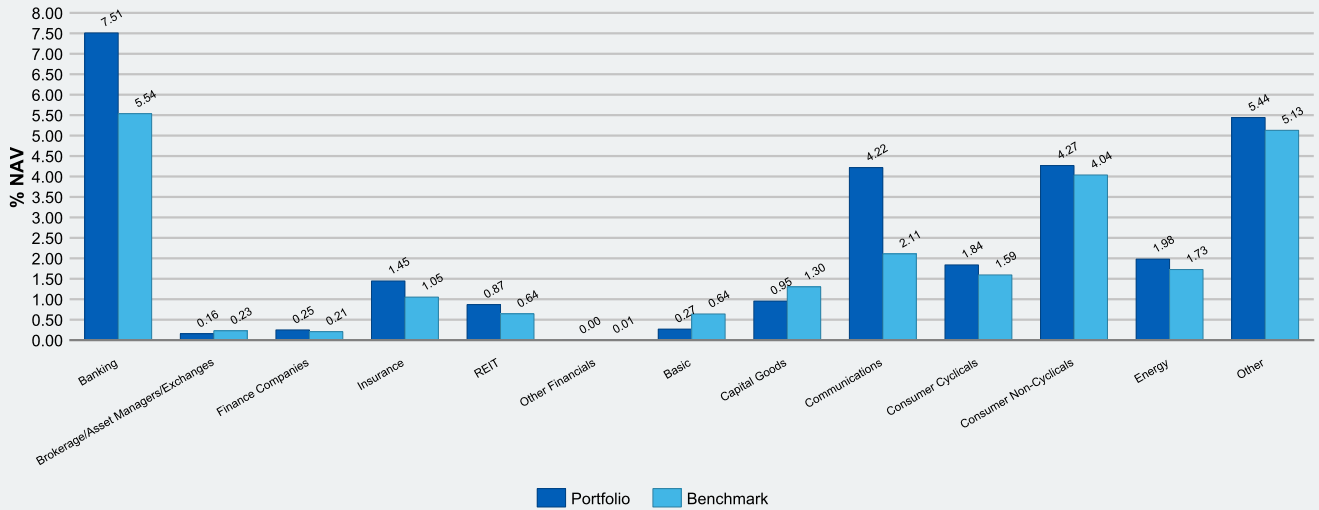
Risk Benchmark: BBG Barc U.S. Aggregate Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure



FMTAC General Operating Account

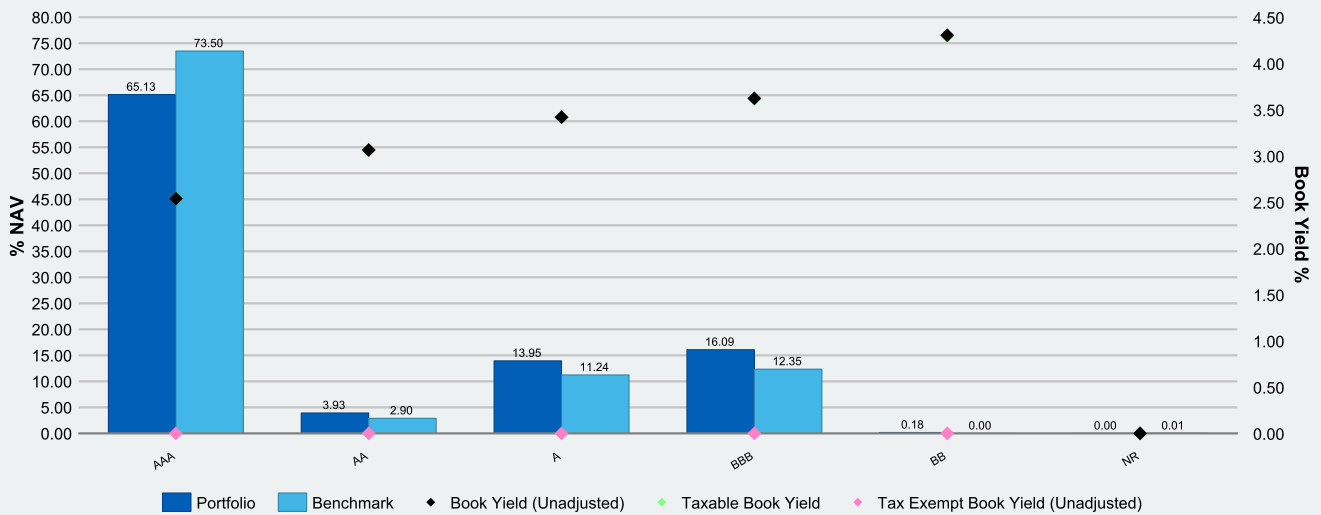
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: BBG Barc U.S. Aggregate Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.90 | 5.48 | 0.53 | 1.66 | 5.47 | 0.30 |
| AAA Rated or above | 2.54 | 4.65 | 0.55 | 1.01 | 4.71 | 0.21 |
| AA Rated | 3.06 | 8.92 | 0.34 | 2.32 | 7.66 | 0.30 |
| A Rated | 3.42 | 7.34 | 0.47 | 2.78 | 7.82 | 0.36 |
| BBB Rated | 3.62 | 6.72 | 0.54 | 4.31 | 7.35 | 0.59 |
| BB Rated | 4.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

FMTAC General Operating Account

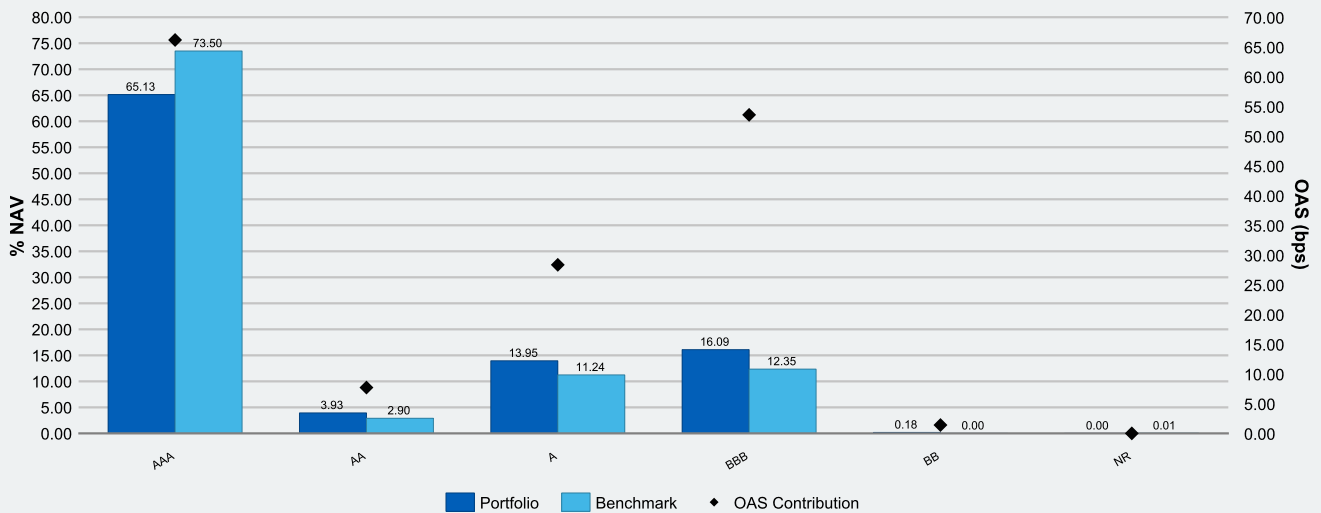
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: BBG Barc U.S. Aggregate Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 100.99 | 9.65 |
| FEDERAL HOME LOAN MORTGAGE CORPORATION | 83.41 | 4.21 |
| GOVERNMENT NATIONAL MORTGAGE ASSOCIATION II | 63.19 | 4.03 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 95.21 | 2.04 |
| FEDERAL HOME LOAN MORTGAGE CORPORATION - GOLD | 117.57 | 1.45 |
| COLOMBIA (REPUBLIC OF) | 333.11 | 1.43 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: Greater than 12 years

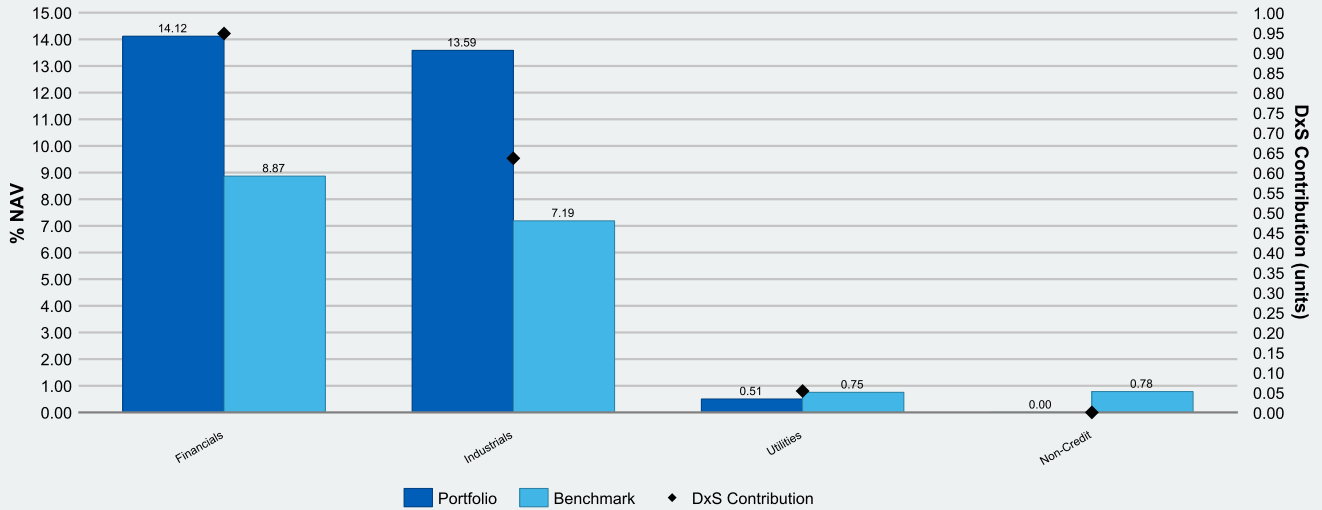
| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------------------|-----------|------------------------|
| BNP PARIBAS SA | 483.28 | 1.21 |
| UTAH TRANSIT AUTH | 170.76 | 1.09 |
| ENTERPRISE PRODUCTS OPERATING LLC | 324.25 | 0.99 |

Portfolio Credit Positioning

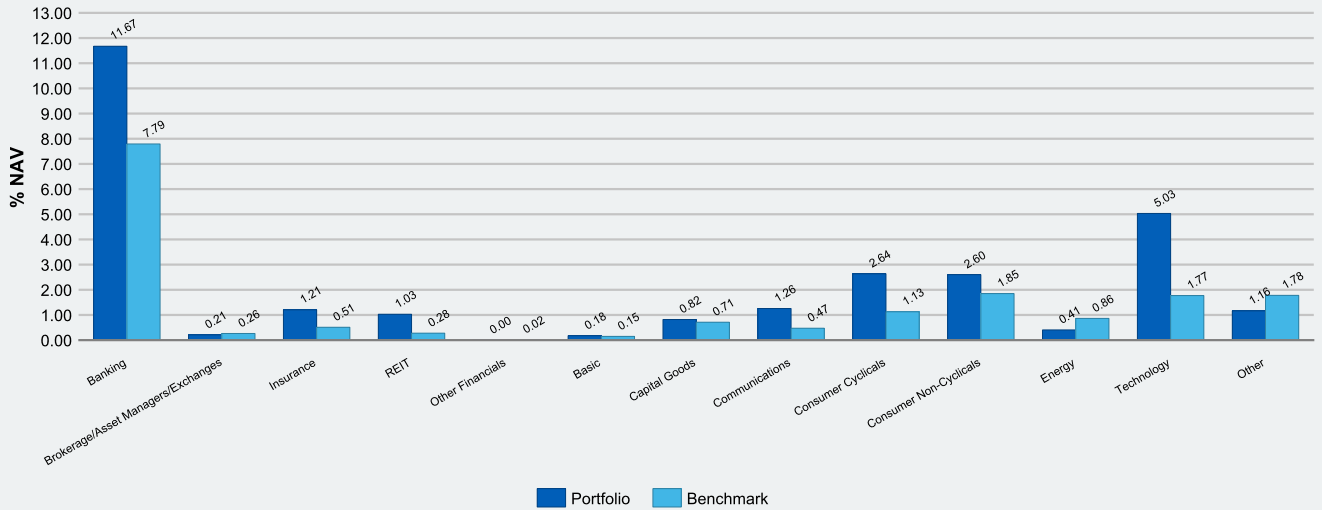
Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure

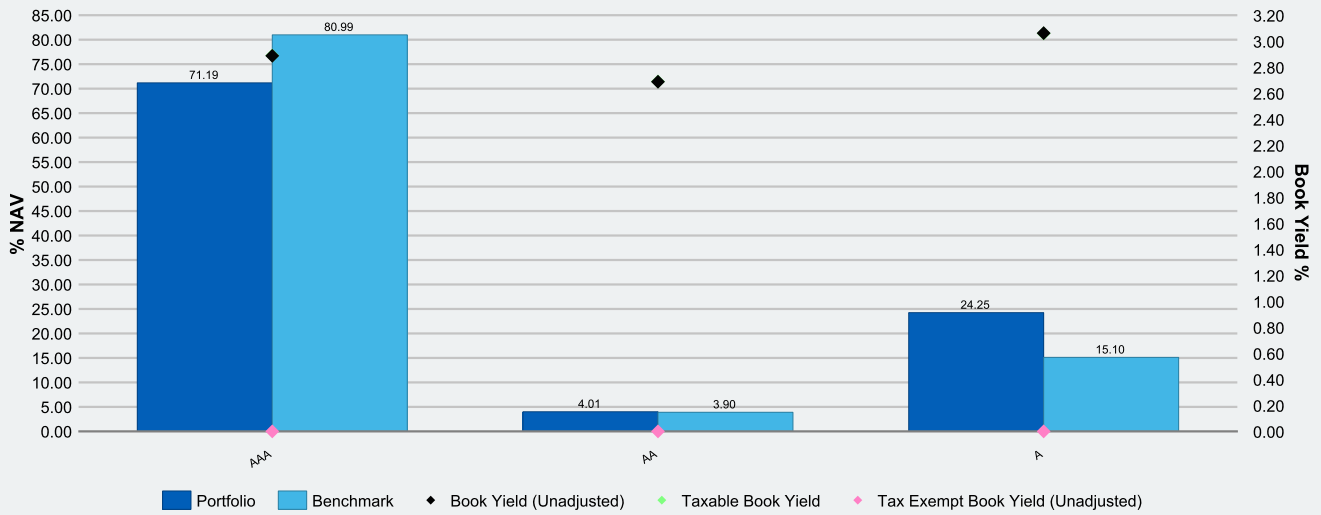


Portfolio Credit Positioning

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.92 | 3.80 | 0.77 | 0.88 | 3.83 | 0.23 |
| AAA Rated or above | 2.89 | 4.05 | 0.71 | 0.53 | 3.75 | 0.14 |
| AA Rated | 2.69 | 3.09 | 0.87 | 1.89 | 3.82 | 0.49 |
| A Rated | 3.06 | 3.25 | 0.94 | 2.46 | 4.26 | 0.58 |

FMTAC Liberty Trust East Side Access

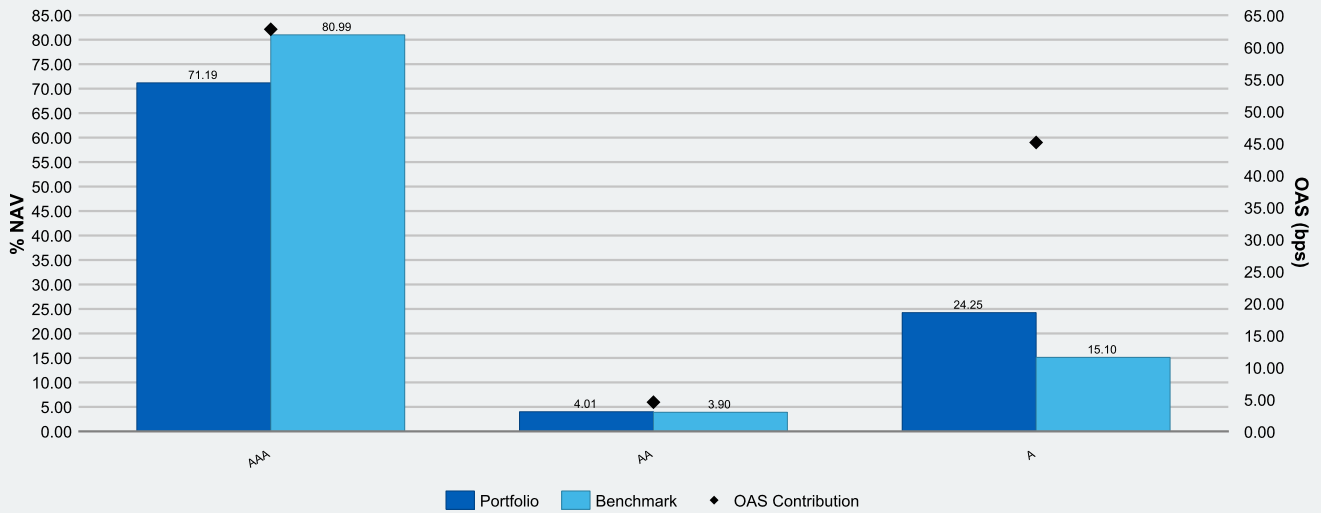
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| NISSAN MASTER OWNER TRUST | 330.44 | 5.71 |
| FORD CREDIT FLOORPLAN MASTER OWNER TRUST | 393.69 | 5.12 |
| SANTANDER DRIVE AUTO RECEIVABLES TRUST SDART_19-2 | 394.92 | 3.32 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

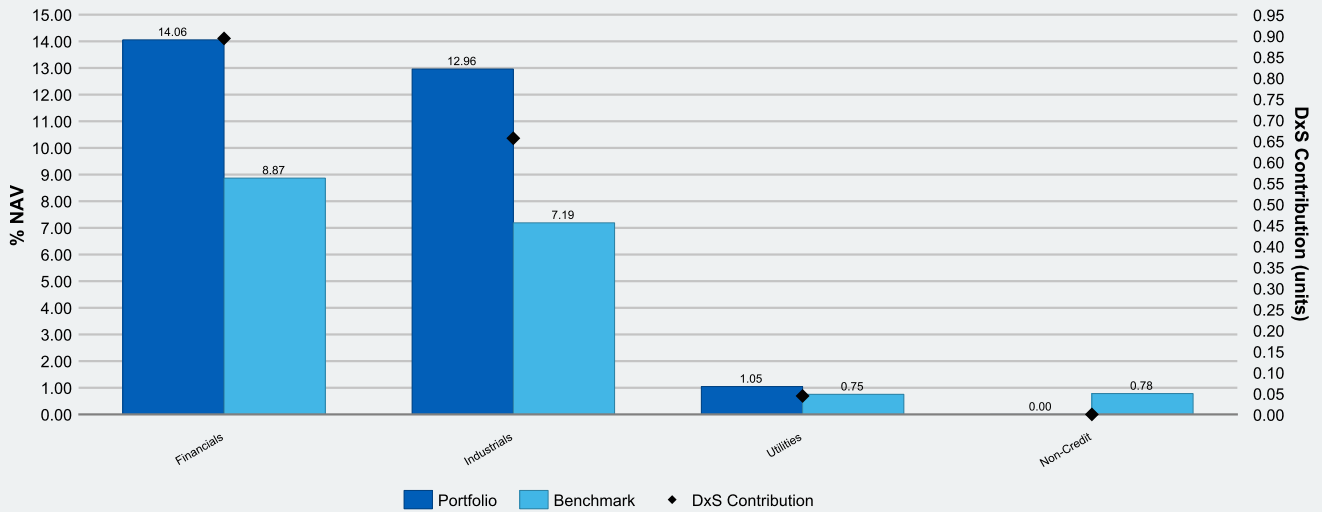
| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------|-----------|------------------------|
| WELLS FARGO & COMPANY | 173.59 | 1.15 |
| MORGAN STANLEY | 156.76 | 0.97 |
| JPMORGAN CHASE & CO | 192.03 | 0.96 |

Portfolio Credit Positioning

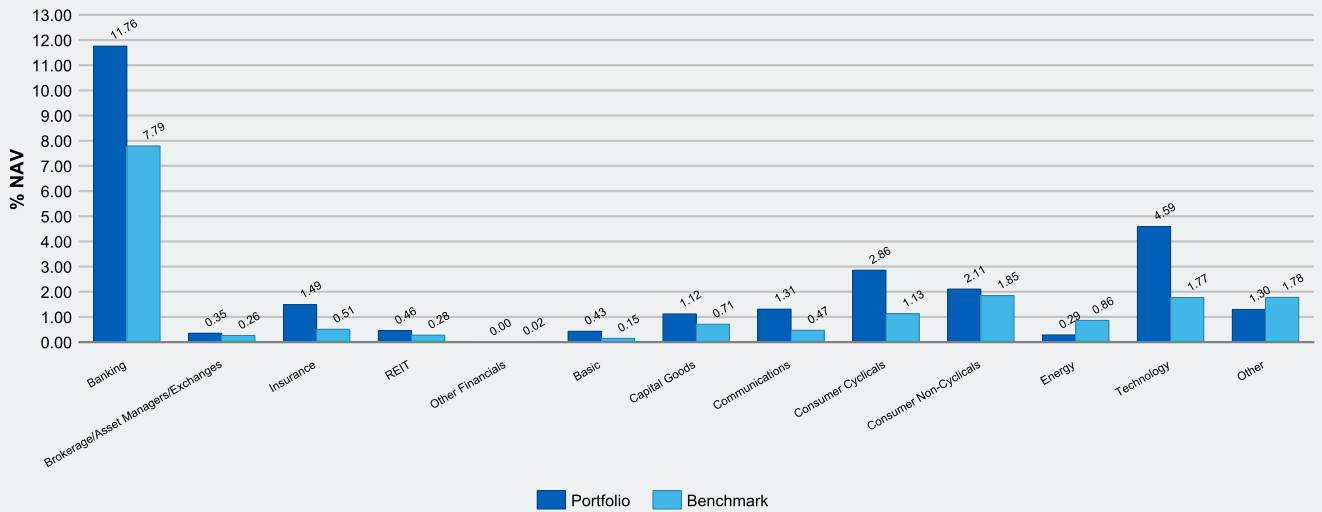
Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure

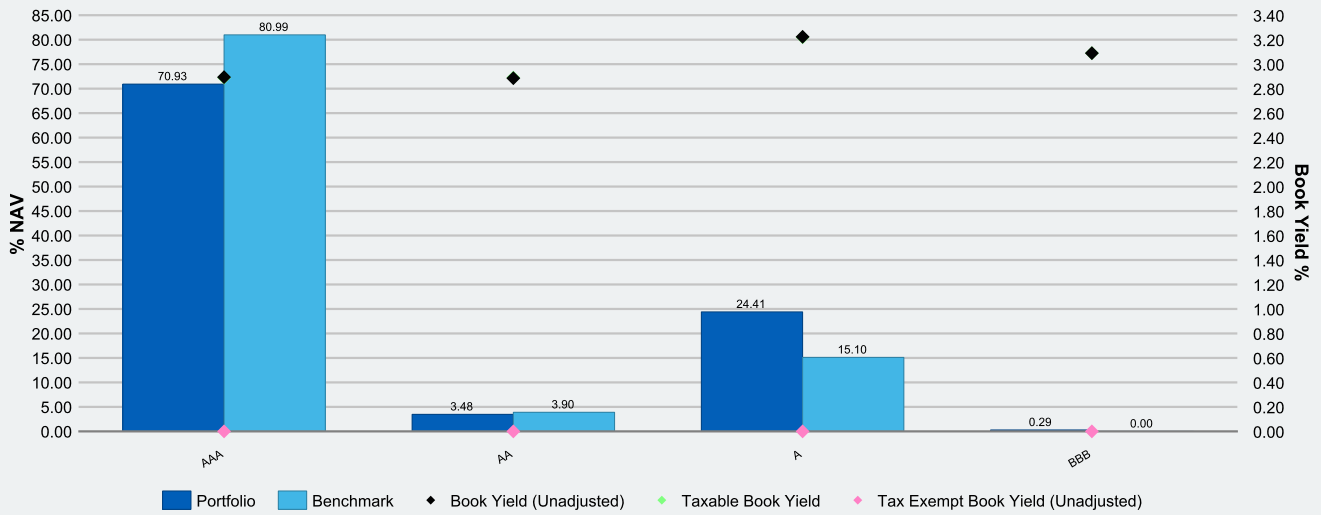


Portfolio Credit Positioning

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.98 | 3.81 | 0.78 | 0.88 | 3.83 | 0.23 |
| AAA Rated or above | 2.89 | 4.14 | 0.70 | 0.53 | 3.75 | 0.14 |
| AA Rated | 2.89 | 3.43 | 0.84 | 1.89 | 3.82 | 0.49 |
| A Rated | 3.22 | 3.01 | 1.07 | 2.46 | 4.26 | 0.58 |
| BBB Rated | 3.09 | 4.14 | 0.75 | 0.00 | 0.00 | 0.00 |

FMTAC Liberty Trust '06 NY Transit Authority

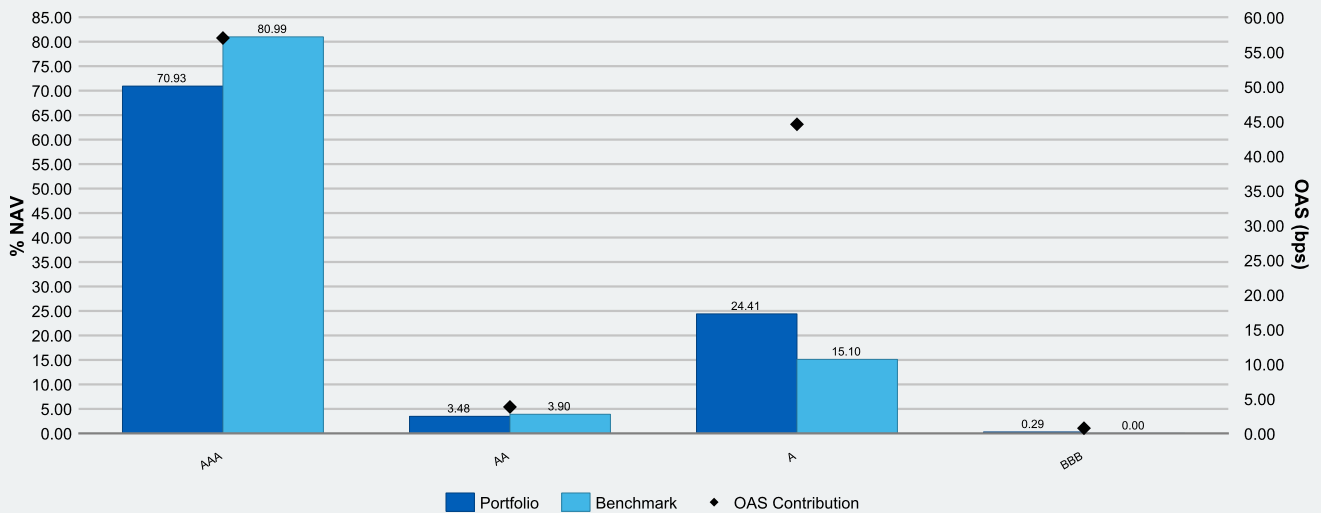
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: BBG Barc US Aggregate Intermediate A3/A- or better Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| WELLS FARGO COMMERCIAL MORTGAGE TRUST WFCM_15-C31 | 228.94 | 7.34 |
| FORD CREDIT FLOORPLAN MASTER OWNER TRUST | 416.19 | 5.58 |
| JPMORGAN CHASE & CO | 217.26 | 3.93 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| WELLS FARGO & COMPANY | 173.59 | 1.06 |
| APPLE INC | 128.66 | 0.99 |
| FRESB MULTIFAMILY MORTGAGE PASS-THROUGH FRESB_19-SB58 | 128.82 | 0.88 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: Greater than 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|------------------------|-----------|------------------------|
| UNITED STATES TREASURY | 0.64 | 0.00 |

FMTAC Master Builders' Risk

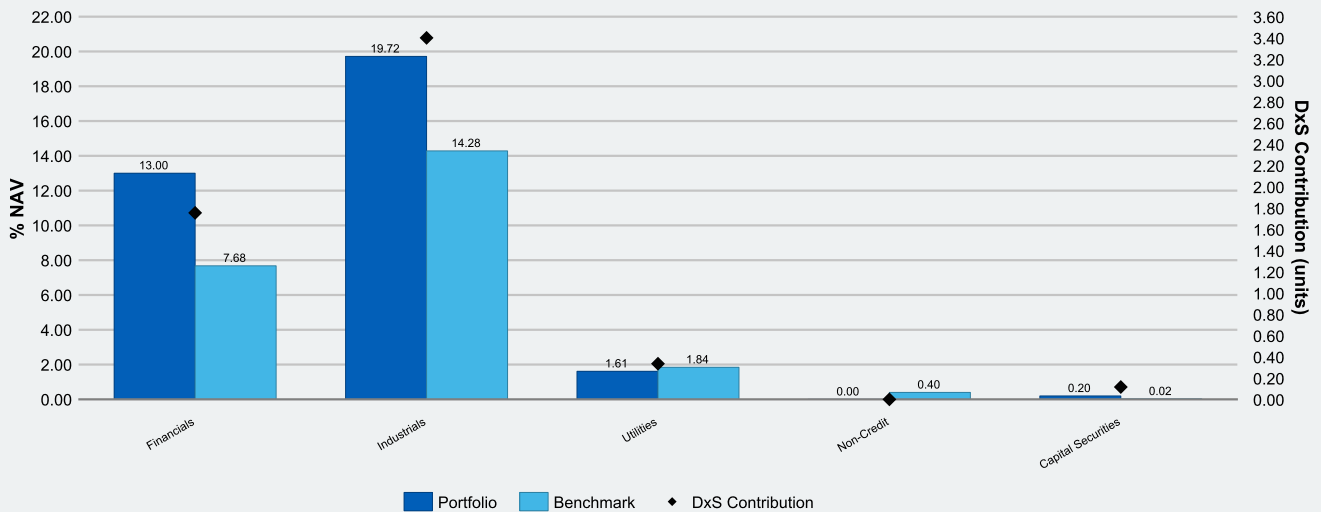
31 March 2020

Portfolio Credit Positioning

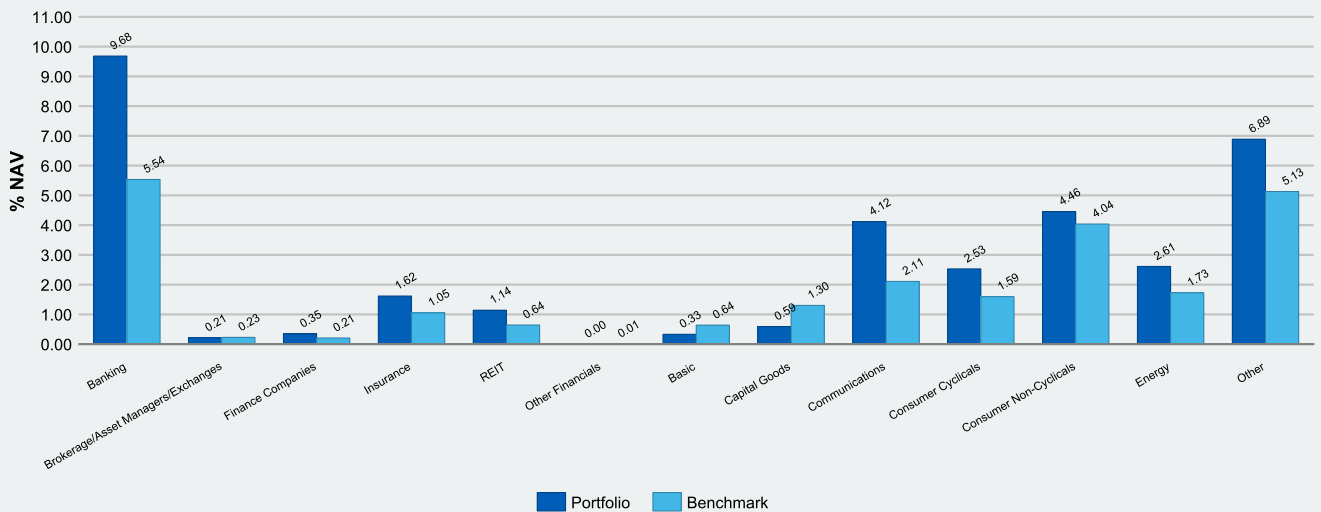
Risk Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure

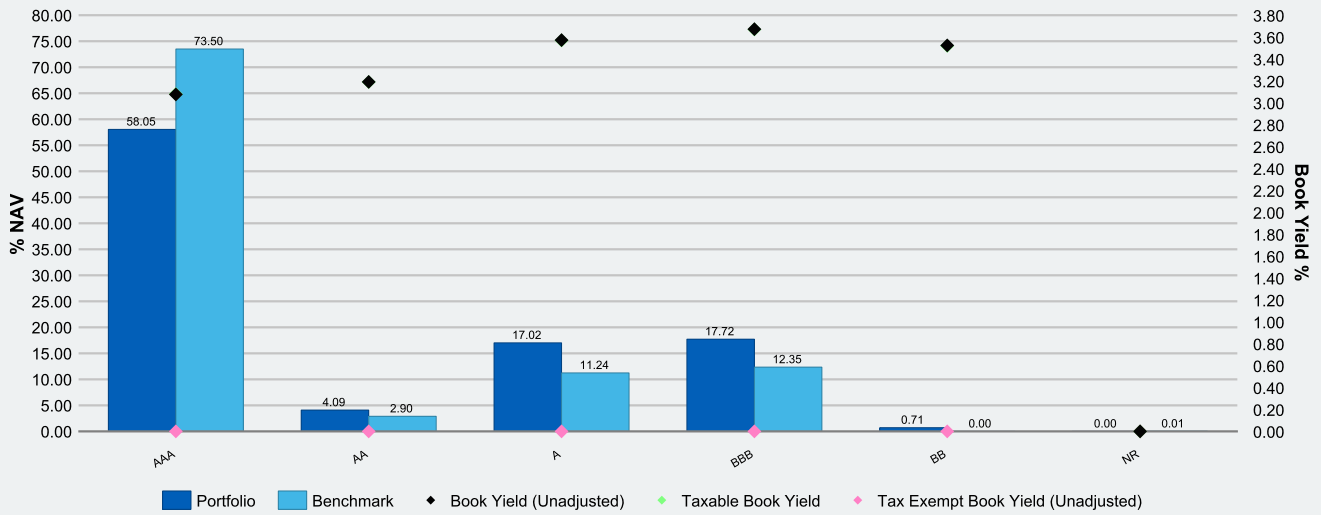


Portfolio Credit Positioning

Risk Benchmark: BBG Barc U.S. Aggregate Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
 Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 3.30 | 5.40 | 0.61 | 1.66 | 5.47 | 0.30 |
| AAA Rated or above | 3.08 | 4.91 | 0.63 | 1.01 | 4.71 | 0.21 |
| AA Rated | 3.19 | 9.58 | 0.33 | 2.32 | 7.66 | 0.30 |
| A Rated | 3.57 | 6.73 | 0.53 | 2.78 | 7.82 | 0.36 |
| BBB Rated | 3.67 | 5.71 | 0.64 | 4.31 | 7.35 | 0.59 |
| BB Rated | 3.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

FMTAC Master Builders' Risk

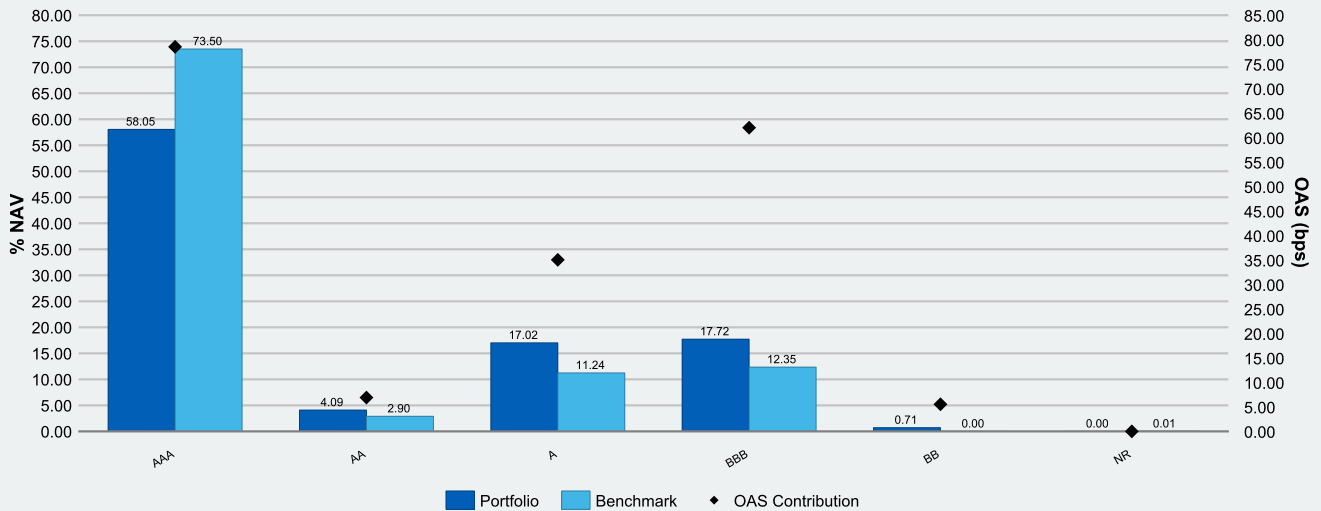
31 March 2020

Portfolio Credit Positioning

Risk Benchmark: **BBG Barc U.S. Aggregate Index**

Reporting Currency: **USD**

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---|-----------|------------------------|
| FEDERAL NATIONAL MORTGAGE ASSOCIATION | 114.29 | 10.93 |
| WELLS FARGO COMMERCIAL MORTGAGE TRUST WFCM_15-C31 | 229.43 | 5.93 |
| GOVERNMENT NATIONAL MORTGAGE ASSOCIATION II | 74.95 | 5.61 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------------------|-----------|------------------------|
| VERIZON COMMUNICATIONS INC | 187.15 | 1.59 |
| WELLS FARGO & COMPANY | 176.57 | 1.26 |
| EMPRESAS PUBLICAS DE MEDELLIN ESP | 562.86 | 1.22 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: Greater than 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|-----------------------------------|-----------|------------------------|
| UTAH TRANSIT AUTH | 170.76 | 1.09 |
| CVS HEALTH CORP | 284.34 | 1.03 |
| ENTERPRISE PRODUCTS OPERATING LLC | 323.48 | 1.01 |

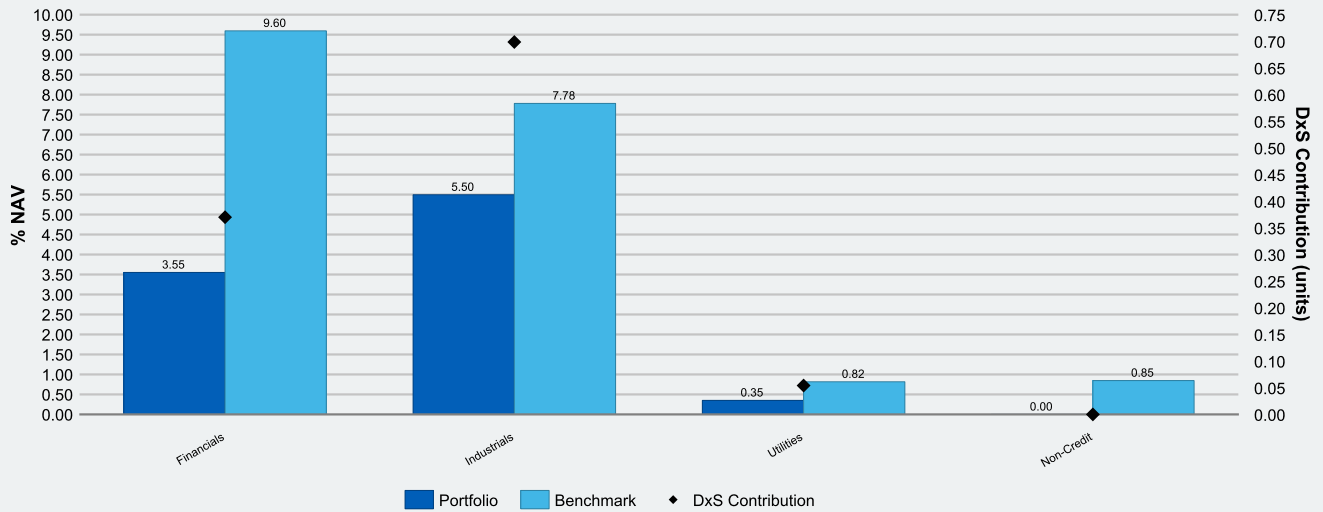
FMTAC Star Indemnity
Portfolio Credit Positioning

31 March 2020

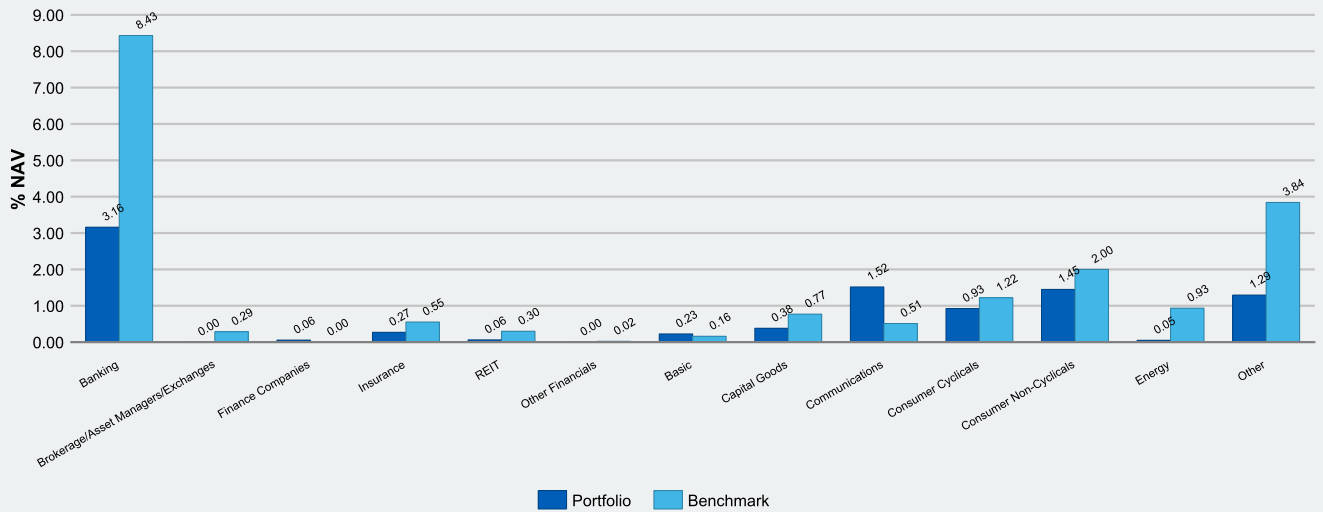
Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

Portfolio Credit Sector Exposure



Portfolio Credit Sub-Sector Exposure



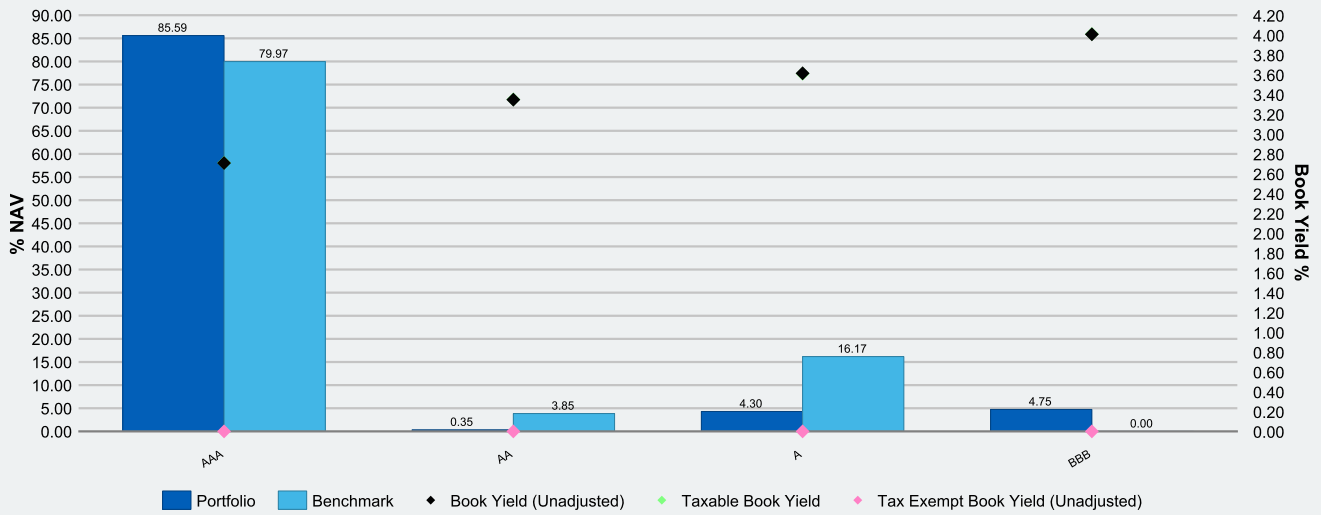
FMTAC Star Indemnity
Portfolio Credit Positioning

31 March 2020

Risk Benchmark: **BBG Barc Intermediate Gov/Credit A or Higher Index**

Reporting Currency: **USD**

Portfolio Credit Rating Exposure and Book Yield



Taxable Equivalent yields are adjusted up by a factor of 1.1994 which assumes a 21% corporate tax rate with 25% proration on municipal income
 Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Credit Rating by OAD and Book Yield Exposure

| | Portfolio | | | Benchmark | | |
|--------------------|----------------|-------------|-------------|-------------------|-------------|-------------|
| | Book Yield (%) | OAD (yrs) | Ratio | Nominal Yield (%) | OAD (yrs) | Ratio |
| Total | 2.82 | 3.66 | 0.77 | 0.79 | 3.83 | 0.21 |
| AAA Rated or above | 2.71 | 3.72 | 0.73 | 0.41 | 3.75 | 0.11 |
| AA Rated | 3.35 | 4.42 | 0.76 | 1.71 | 3.69 | 0.46 |
| A Rated | 3.61 | 4.76 | 0.76 | 2.43 | 4.25 | 0.57 |
| BBB Rated | 4.01 | 5.34 | 0.75 | 0.00 | 0.00 | 0.00 |

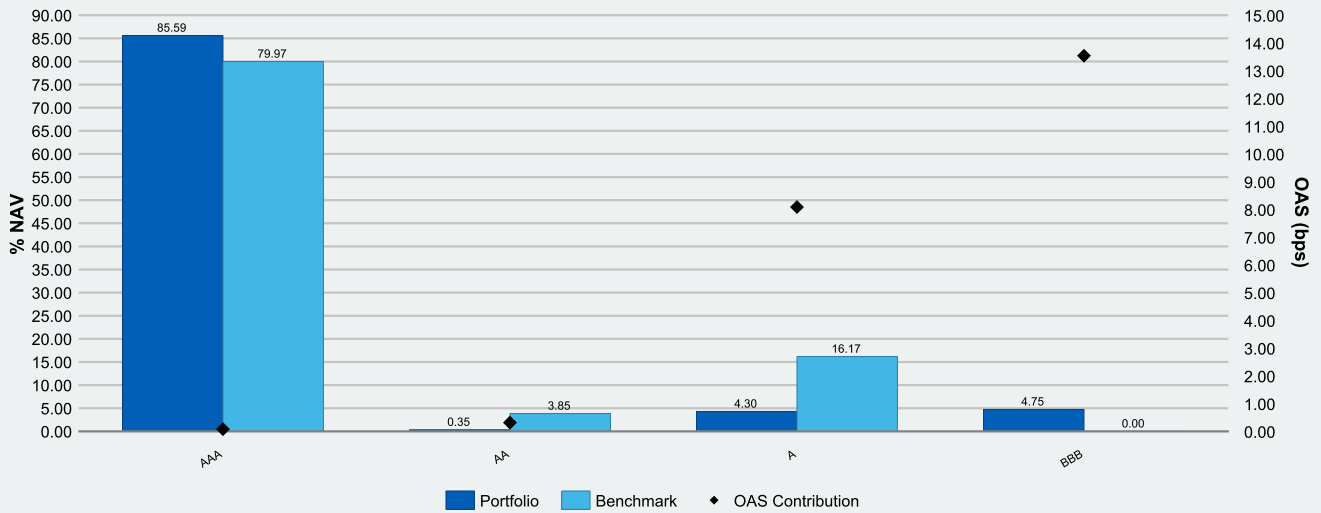
FMTAC Star Indemnity
Portfolio Credit Positioning

31 March 2020

Risk Benchmark: BBG Barc Intermediate Gov/Credit A or Higher Index

Reporting Currency: USD

Portfolio Credit Rating Exposure and OAS Contribution



Credit ratings are based on the Barclays Bloomberg Rating methodology

Portfolio Top 3 Contributors to OAS by Stated Maturity: Less than 6 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|---------------------------------|-----------|------------------------|
| GENERAL MOTORS FINANCIAL CO INC | 726.26 | 0.89 |
| GOLDMAN SACHS GROUP INC/THE | 171.72 | 0.83 |
| WELLS FARGO & COMPANY | 170.65 | 0.63 |

Portfolio Top 3 Contributors to OAS by Stated Maturity: 6 – 12 years

| Issuer | OAS (bps) | OAS Contribution (bps) |
|-------------------------------|-----------|------------------------|
| JPMORGAN CHASE & CO | 202.24 | 1.01 |
| PNC BANK NATIONAL ASSOCIATION | 254.17 | 0.86 |
| MCDONALDS CORPORATION | 224.21 | 0.86 |

Fixed Income Sector Review

Reporting Currency: USD

Monthly Fixed Income Sector Review

Treasury Securities: Global markets experienced no shortage of challenges in March, and the Treasury market saw one of the most impactful months in history. While the global narrative was defined by the escalation and spread of Covid-19, the Treasury market was defined by heightened volatility, severely constrained liquidity, and ultimately fiscal/monetary intervention. Massive de-risking and the demand for cash strained dealer balance sheets, while erratic price action and cumulative headlines caused risk-tolerance to decrease dramatically. 10yr yields were richer by nearly 40bps over the month, but the volatility to obtain this move was the real story. 10yr notes traded in a range of 1.17% to .33% in just the first 6 sessions of the month alone, only to sell back off to 1.3% the following week. At times the price action was numbing and extremely difficult to handicap – specifically as risk-reduction in some instances meant both riskier assets and Treasuries would sell off at the same time, making hedging ineffective. As a result of these poor conditions and reduction in market depth, a near gridlock was felt in the Treasury market at the peak of volatility. Central Banks globally were forced to step in while global governments looked to roll out stimulus packages. The Fed led this charge, first with an emergency 50bp cut, only to be followed by a cut to 0 the following week. By the end of the month the Fed had commenced a resumption of massive quantitative easing across the curve as well as a litany of other platforms to inject liquidity into the economy. The month ended with liquidity in the Treasury space recovering but still damaged versus ‘Pre-Covid’ conditions. T-Bill yields traded broadly into negative territory given the massive flow of cash to government Money market funds and the long-end of the curve was the most reluctant to begin its recovery. Looking into April, the focus will turn to the data that starts being released to see just how impactful this virus has become on the global economy.

Mortgage-Backed Securities (MBS): Agency MBS put in exceptionally strong performance coming out of the worst risk-off episode of the past decade, finishing the month with only -22 bps of loss in excess returns over Treasury curve hedges. At the height of the turmoil, the MBS index experienced a max drawdown of as much as -222 bps as liquidity dropped off as the market scrambled to absorb an overwhelming surge in forced selling due to liquidation and deleveraging flows. Direct and aggressive intervention from the Fed quickly aided the resolution of liquidity and funding issues, resulting in the rapid recovery ahead of other markets. Cumulative Fed QE4 purchase in MBS reached 291bn as of March 31st – approximately 35% of the size of the entire QE3 program executed over the course of two weeks. Within 30-year conventional MBS, belly coupons (3.0s through 4.0s) outperformed the wings, benefitting from technical tailwinds from both the Fed’s takeout buying and a dearth of new production collateral. G2/FN swaps also firmed into the late-March recovery trade, finishing 10-20 ticks tighter on the month. While sentiment in the secondary market continued to heal over the month, activities in the primary market have slowed despite historically low Treasury and primary mortgage rates throughout the second half of the month. Origination selling dropped precipitously from the peak of the March refinance wave, a testament to the level of underwriting and funding capacity strain on servicers in the era of social distancing and ahead of an impending wave of widespread forbearance.

Commercial Mortgage-Backed Securities (CMBS): The Bloomberg Barclays CMBS Index posted an excess return over duration-adjusted Treasuries of -633 bps with a total return of -374 bps in March. Overall, CMBS spreads were wider on the month across the curve. The conduit (pooled) 10year AAA part of the stack was 104 bps wider generically to S+190, however the trend of tiering within the AAA classes of recent conduit new issuance continues. Generic LCFs were out to +350 with some liquidation sales getting into the +400s during the peak of mid-March macro market turmoil, but found stronger footing by month end. Within conduit subordinate classes, more widening occurred in the belly, as AA’s were 405 bps wider to S+550 and Single A’s were 550 bps wider to S+750, while BBB- were 660 bps wider to S+1000 on the month. March saw approximately \$5.47bn of private label issuance, with \$4.17bn of that in the Conduit space. On the agency side, benchmark 10yr Freddie seniors are clearing at S+80, roughly 22 bps wider on the month, with \$5.2 bn of total agency issuance. Finally, CMBX was generally wider on the month, with AAA tranches 20-25 bps wider and BBB- index 500-1000 bps wider across the vintages.

Asset-Backed Securities (ABS): The sector printed -207 bps of total return in March, while posting excess returns of -342 bps. Autos posted -355 bps and credit cards posted -318 bps of excess returns, respectively. The market priced \$7.3bn of ABS new issuance across 15 transactions, down ~65% MoM and down ~64% compared to March 2019. Auto-related ABS issuance represented approximately ~49% of total supply in March, while student loans represented approximately ~16% of March’s ABS issuance. YTD issuance now stands at \$47bn, which is 18% behind last year’s pace. March new issuances came to a halt mid-month largely due to the unexpected spike in volatility and liquidity pressure at that time –on the back of virus-related, macroeconomic concerns. The month of March saw a continuation of spread widening with the pace and magnitude increasing rapidly as the month progressed. High-quality spreads led the widening as the market was flooded with supply from investors seeking to raise cash. Over the course of the month, ABS spreads exceeded five-year wides. During the last week of the month, supply became more normalized and spreads tightened significantly from the highs of the month. High-quality ABS spreads ended the month 90/100bps wider and higher-yielding ended 200/600bps wider. Dealers lacked capacity to provide liquidity for much of the month due to heavy balance sheets, however, they were able to lighten their positions towards the end of the month. Consumer fundamentals will likely become challenged as the effects of the virus flow through, however, federal stimulus measures should provide significant support. Currently, collateral performance in private student loans, consumer installment loans and auto loans remain strong. Performance in credit cards have been relatively stable, with charge-offs in credit card ABS trusts increasing slightly, up 13 bps MoM and flat YoY.

Investment Grade (IG) Credit: US Investment Grade Credit underperformed duration-adjusted Treasuries by 986 bps in March with the OAS of the Bloomberg Barclays US Credit Index widening 138 bps to end the month at 255 bps. Unsurprisingly, COVID-19 uncertainty drove risk sentiment for the

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entire month and with most of the global economy expected to fall into a recession, risk assets fared extremely poorly over the month. The Fed has been swift in addressing the problem by cutting rates to zero, committing to purchase as many Treasuries and mortgagees as necessary as well as numerous other programs including the PCCF (Primary Corporate Credit Facility) & SCCF (Secondary Market Corporate Credit Facility). Rating agencies have been quick to take action with an unprecedented wave of downgrades with 1.4% of the Investment Grade index by face value migrating out of the index by the end of the month. Occidental Petroleum (27B) and Ford (36B) drove the vast majority of the downgrades. In contrast to other fixed income markets where issuance was minimal over the month, we saw many investment grade issuers flood the market to bolster their liquidity profiles without an immediate need for funds. Monthly supply of \$262B was the largest month ever on record by a ~\$85B margin and YTD supply of \$473B is already up 47% compared with the same period last year. Supply was skewed towards high quality issuers such as Oracle, Exxon and Intel though we did see BBB issuers begin to access the market towards the end of the month. Demand was extremely strong with oversubscription levels of 4.3x on average with some deals being 10-15x covered. The Fed measures together with the historic \$2T stimulus as a result of the CARES ACT helped sentiment and liquidity in the last week of the month with spreads tightening to 255 bps from the wide of 341 bps earlier in the month. Energy was the notable laggard over the month with the squabble between Saudi Arabia and Russia pushing prices down and questioning the operating viability of many US shale producers. The best performing sectors were Supranational, Foreign Local Government, Pharmaceuticals, Consumer Cyclical Services and Construction Machinery. The worst performing were Independent Energy, Oil Field Services, Midstream, Refining and Airlines.

High-Yield Corporate Bonds: In March, the High Yield Index produced total returns of -11.46%. Higher quality bonds relatively outperformed. On a total return basis, the Ba Index shed 9.27%, the B Index was down 11.58%, and the Caa Index returned 18.37%. Distressed issuers rated Ca and below were down 31.67%. Excess returns for the sub-indices, in descending order of quality, were -11.30%, -13.26%, and -20.00%. All other parts of credit were lower on the month. The Pan-European High Yield Index was down -13.60%, the S&P/LSTA Performing Loans Index shed -12.89%, the US Credit Index produced -6.63%, and the Emerging Markets Index returned -10.68%. Equities were much lower, with the S&P 500 down -12.35% and the Russell 2000 down -21.73%. All sectors were down last month. The worst-performing sectors were oil field services (-43.70%), independent (-37.81%), midstream (-22.97%), leisure (-22.32%), and transportation services (-19.47%). The best-performing sectors were supermarkets (-1.05%), wireless (-3.20%), electric (-3.32%), health insurance (-3.64%), and food and beverage (-4.26%).

US HY primary issuance dwindled to just \$4.2bn across 5 tranches for the month of March as broader market weakness kept issuers on the sidelines, even as the US IG new issue market saw one of the busiest months on record. This marked not only the lightest volume month in our space since December 2018, but also the lowest volume March since at least 2012. Notably, Cleveland Cliff's was able to price a slightly upsized \$725mm senior secured offering in the beginning of the month after widening out pricing and including investor friendly document and structure changes. The company eventually had to scrap a proposed unsecured tranche as looming market weakness had already begun to dampen investor risk appetite. Shortly after, we had a supply hiatus of over 3 weeks as macro conditions worsened and opportunistic issuers held back despite the \$10bn+ backlog from the end of February. Following a multi-day rally at the end of the month, we had one new issue price to close out March. Yum! Brands priced a slightly upsized \$600mm senior notes offering 75-100bps tight of initial whisper on books that were north of 12x oversubscribed. The new bonds traded up a remarkable 4.5pts on the break, after pricing with 125-150bps of new issue concession, obviously speaking to how given the right circumstances and for the right names, demand for HY new issue is still present. While the successful execution may have encouraged additional issuers, day to day volatility is still keeping companies cautious around re-entering the primary market. On the M&A front, the calendar remains thin with Eldorado's M&A financing the largest transaction on the docket near term. Originally expected for the end of March, the transaction is now expected to launch in the early summer as they await regulatory approvals. Looking ahead, the five year average monthly supply for April is \$21bn but as stated earlier, supply will remain entirely day to day at this point. We do expect issuers to take advantage of windows of calm in April, keeping in mind that investors now expect elevated new issue concessions of at least ~75bps, as opposed to the 12.5-25bps we were seeing earlier this year. Coronavirus impacted names in particular remain situational as it comes to accessing the market to address immediate liquidity needs, depending on their secured capacity. Additionally, we expect more in the way of pre-marketings as banks will need to gauge investor appetite prior to launching in what remains a volatile market.

Taxable Municipal Bonds: Amidst the escalating coronavirus pandemic and fears of its subsequent economic impact, March proved to be one of the most volatile months in market history across all asset classes, and taxable municipals were no exception. The broad taxable municipal index returned -8.94% during the month, while underperforming duration matched U.S. Treasuries by -1,337bps, bringing the year-to-date total return to 0.00% with -1,405bps of excess performance. Much of the existing taxable municipal space consists of legacy Build America Bonds (BABs) that were issued in a much higher interest rate environment with long durations, a part of the curve that suffered most amidst investors flight to quality. As investors fled to cash, the risk off tone essentially shut down the primary market. The phenomenon of advance refunding tax-exempt debt with taxable issuance that provided a deluge of supply in the latter half of 2019 came to a halt. Though the little issuance that did come out of the taxable space during the month did fairly well with deals oversubscribed 4x on average. Looking forward, we remain cautious on the taxable municipal sector as the economic fallout from the coronavirus and the resulting credit impacts on municipalities has yet to be fully understood. The asset classes heavy reliance on crossover and foreign investors, as opposed to the natural retail buyer base of tax-exempt municipals, could provide some headwinds as the market navigates uncertainty. However, significant fiscal stimulus and renewed talks of an infrastructure plan are likely to benefit municipals broadly.

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Tax Exempt Municipal Bonds: Municipals experienced elevated volatility throughout the month of March, eclipsing the height of the Global Financial Crisis (GFC), as a lack of liquidity early in the month led to attractive buying opportunity into month-end. The broad municipal bond index ultimately returned -3.63% with -611bps of excess returns versus duration matched U.S. Treasuries, bringing the year-to-date total return to -0.63% with -733bps of excess returns. However, at the height of the sell-off, month-to-date total returns fell as low as -10.73%. Market sentiment changed early in the month as coronavirus fears intensified, ending the streak of 60-consecutive weeks of inflows totaling \$116bln. All-time low interest rates (which devalued the tax-exemption), increased volatility, and general risk-off sentiment drove outflows as investors moved into cash and/or re-allocated capital to other cheaper asset classes. As a result, the market contended with the two largest weekly outflows on record in back to back weeks. Outflows stressed market liquidity on a variety of fronts. Bid wanted activity accelerated as market participants looked to raise cash ahead of anticipated redemptions, while at the same time broad market stresses constrained dealers' willingness and ability to commit additional balance sheet to the asset class. Trading was concentrated in the most liquid segments of the market (higher credit quality and shorter duration), which resulted in elevated inventories of variable rate demand notes (VRDNs). This caused short-term SIFMA rates to peak at 5.20% and put pressure on leverage. As the secondary market struggled, the primary market essentially ceased to function. Deals were less than 1x subscribed (vs. a 5.5x year-to-date average) causing issuers to postpone most of the forward calendar. As a result, the market only saw \$17.2bln in issuance in March, well below the \$31.1bln 5yr average, bringing the year-to-date total to \$86.7bln, up 14% year-over-year. The liquidity driven market dislocation created a very favorable buying opportunity towards month-end. Attractive relative valuations, with ratios well through the highs reached in 2008, spurred aggressive buying by crossover and institutional buyers, while higher absolute yields began to entice some retail investors, albeit to a much lesser degree. At the same time, market sentiment benefited from a variety of stimulus measures, including various Fed liquidity facilities as well as passage of the CARES Act, which provides at least \$350bln of funding to municipal entities as well as permits direct loans and investments to municipalities by the Fed. Looking forward, we maintain a slightly defensive posture in regards to municipal bond positioning given our expectation that we remain in the early innings of an outflow cycle. Managing cash balances in anticipation of future redemptions while also taking advantage of opportunities where possible will be a balancing act. We will use forced selling to add exposure to credits that typically do not trade in size.

Emerging Markets (EM): The potential economic damage from the coronavirus drove wild swings in financial markets amid a depth of risk-off fear not seen since the global financial crisis. Emerging markets debt (EMD) struggled in this volatile environment. The JPMorgan EMBI Global Diversified index of US dollar sovereign bonds delivered a total return of -13.85%. Of this, the spread return was -17.04% and Treasury return was 3.84%. In local currency bonds, the JPMorgan GBI-EM Global Diversified index returned -11.07%, of which the FX component was -8.83%. In corporate bonds, the JPMorgan CEMBI Broad Diversified index delivered a total return of -11.52%, of which the spread return was -13.80% and Treasury return was 2.65%. Central banks across developed and emerging economies delivered a swathe of emergency rate cuts, launched or massively expanded QE programs and strove to maintain lending liquidity to avert a credit crunch. Fears over the impact of the virus pushed oil prices into freefall. The collapse was exacerbated by the start of a price war between Saudi Arabia and Russia, which left Brent crude at US\$22.74 a barrel and WTI at US\$20.48 a barrel. Prices fell 54-55% over the month to their lowest levels since early 2002. Paralyzed activity across broad sectors led to PMI readings from around the world confirming the biggest slump in manufacturing since the global financial crisis. China, from where the coronavirus originally spread, saw manufacturing activity fall to its weakest level on record in February as millions of workers remained quarantined. China also provided a tentative glimmer of hope late in the month as its factory sector unexpectedly returned to expansion in March. Although very early days in any recovery, China's experience offers optimism that economies can recover quickly once lockdown restrictions are lifted. This improvement almost entirely accounts for a slight rise in the JPMorgan global manufacturing PMI in March. Excluding China, the reading of 46.6 is its lowest level since May 2009. Financial difficulties caused Lebanon to default on a March 2020 bond (US\$1.2bn notional) just prior to its maturity date. PM Hassan Diab stressed that priority will be given to imports of necessities such as food and medicine over servicing offshore debt. A renegotiation between the government and bond holders and restructuring of the debt are expected to follow. Moody's cut its rating of South Africa's debt to one notch below investment grade, which will see the country's bonds removed from investment-grade benchmarks. Moody's cited unreliable electricity supply, persistently weak business confidence and investment, and a rigid labor market that continues to constrain the economy. It kept a negative outlook, which maintains a risk of further near-term downgrades. South Africa's central bank previously announced that it will start QE as the economy heads towards its largest budget deficit in a generation. Moody's cut Ecuador's credit rating deeper below investment grade. Fitch downgraded Colombia's rating to its lowest level above junk, citing a loss of fiscal credibility and slumping oil prices amid a weaker economic performance. Ukraine moved closer to securing much-needed funding of US\$8bn from the IMF after its parliament approved reforms that were a condition of the funding. The expanded IMF package is expected to unlock a further US\$2bn from other international lenders.

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FMTAC PARTNERS - SERVICE PROVIDERS

MARSH CAPTIVE SOLUTIONS

Who We Are

- Captive advisory and management unit of the world’s leading insurance broker
- Assisting organizations achieve their financial and strategic objectives with a complete array of captive management resources for more than 50 years
- Largest captive manager with over 1,450 clients in over 50 domiciles
- Nearly 500 highly qualified professionals worldwide, including MBAs, CPCUs, CPAs, and JDs
- Global captive benchmarking report
- Commitment and excellence in information technology

New York Operations

- Largest captive manager in New York State
 - As measured by number of captives, premium volume and capita/surplus under management
- Dedicated office and staff in New York
 - Office established in 2004
- Extensive captive experience
 - Qualified and committed professional staff with more than 50 years of combined captive management experience
- Expansive knowledge of New York State captive regulatory environment
 - Frequent interactions with NY State Department of Financial Services (NYSDFS) captive regulator
 - Keep abreast of changes in regulatory requirements

Marsh Client Service Team

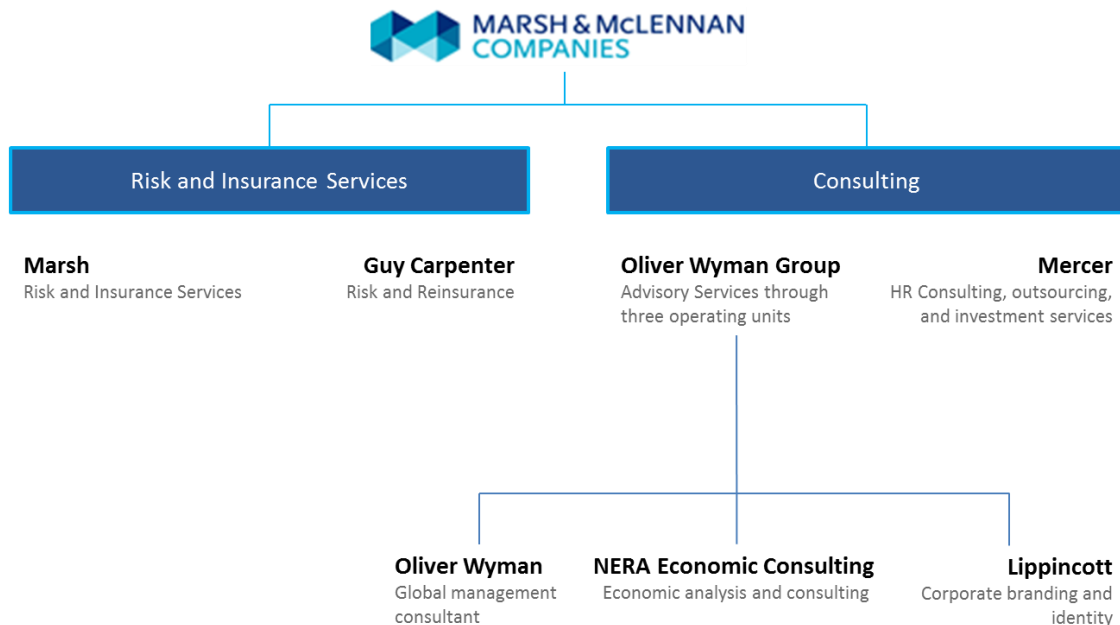
First Mutual Transportation Assurance Company (“FMTAC”)

| Team Member & Role | Responsibilities | Qualifications |
|--|---|--|
| Nisala Weerasooriya Head of Office, Captive Management | <ul style="list-style-type: none"> • Oversees the performance of the MTA’s FMTAC captive management service team | <ul style="list-style-type: none"> • Over 25 years with Marsh captive management • Over 30 years in the insurance, financial and audit experience • 10 years with the MTA / Marsh Team • Certified Public Accountant |
| Gemma Mah Client Team Leader | <ul style="list-style-type: none"> • Serves as the primary point of contact for the MTA • Reviews all financial statements, budget reports and policies • Oversees annual financial statement audit with Deloitte • Ensures regulatory compliance with NYS Department of Financial Services | <ul style="list-style-type: none"> • Over 20 years with Marsh captive management • Over 18 years in the captive insurance and audit experience • 10 years with the MTA / Marsh Team • Chartered Accountant |
| David Carman Account Manager | <ul style="list-style-type: none"> • Manages the day-to-day administration of FMTAC’s payment process, accounting, premium invoicing and policy issuance • Prepares financial statements, budget reports and bank reconciliations • Prepares FMTAC payments and acts as liaison to the MTA Treasury department for all disbursements | <ul style="list-style-type: none"> • 6 years with Marsh captive management • 18 years in corporate accounting |

Marsh USA Inc MTA – Master Broker

About Marsh

Marsh is the world's leading insurance broker and risk adviser. With over 35,000 colleagues operating in more than 130 countries, Marsh serves commercial and individual clients with data driven risk solutions and advisory services. Marsh is a wholly owned subsidiary of Marsh & McLennan Companies (NYSE: MMC), the leading global professional services firm in the areas of risk, strategy and people. With annual revenue over \$17 billion and 75,000 colleagues worldwide, MMC helps clients navigate an increasingly dynamic and complex environment through four market-leading firms: Marsh, Guy Carpenter, Mercer, and Oliver Wyman. The diagram below displays the structure of Marsh & McLennan Companies.



Industry Resources

Marsh combines traditional Risk Practices with Industry Specializations. The MTA is serviced by risk professionals in Marsh's Property, Casualty, Financial, Professional Liability, Surety, and Risk Consulting departments, while benefiting from the expertise of the Global Transportation Industry Practice. This structure enables Marsh to provide focused insurance advice founded on a solid understanding of the MTA.

MTA Client Service Team

ACCOUNT MANAGEMENT

Jerry Harley – Client Executive

Mr. Harley is a specialist in transportation and construction risk management. He is responsible for the overall account strategy and delivery of the risk management support services to the MTA.

CLIENT ADVISORY SERVICES

Michaela Grasshoff – Casualty Insurance Advisor

Kathy Bettencourt – Property Insurance Advisor

The senior casualty and property advisors provide support and expertise in the evaluation of MTA's exposures with the goal of expanding coverages where possible while focusing on reducing the MTA's Total Cost of Risk. Additionally, they provide the MTA with information relative to emerging risk issues and industry, carrier and market trends.

GLOBAL PLACEMENT SERVICES

Anne Ffrench – Zurich

Neil Robb – Bermuda

Tom Davies – London

Jonathan Fennelly - Dublin

Marsh's Global Placement teams are aligned with Client Advisors to design and place insurance and reinsurance to minimize the loss exposure to FMTAC. Global Placement Specialists support the MTA in the placement of numerous general liability, environmental, automobile, property, terrorism, and excess liability coverages.

MARSH'S RISK CONSULTING PRACTICE

Jason Krantz – Casualty Loss Control Manager

Carl Patchke – Casualty Claims Manager

These teams support the MTA's pre- and post-loss initiatives with over 20 team members who specialize in risk analysis and cost of risk reduction. They are specialists in their respective disciplines and apply their knowledge of the transportation industry to create effective workforce, loss control, claims, and business continuity solutions for the MTA.



Oliver Wyman Actuarial Consulting, Inc.

Oliver Wyman Actuarial Consulting, Inc. is part of the Oliver Wyman Group, an independent (legally and operationally) business unit of Marsh & McLennan Companies (MMC). Oliver Wyman Group has over 5,000 employees in more than 60 offices in nearly 30 countries.

MMC is a global professional services firm composed of four principal firms:

- Oliver Wyman Group (financial and insurance consulting)
- Marsh (risk and brokerage services firm)
- Mercer (human resource consulting, outsourcing and investment services firm)
- Guy Carpenter (reinsurance intermediary)

Oliver Wyman Actuarial Consulting, Inc. employs over 215 credentialed actuaries in our 365 colleague staff, making it one of the largest actuarial practices in the United States. Over 150 of our credentialed members have earned the designation "Fellow of the Casualty Actuarial Society" or "Fellow of the Society of Actuaries", reflective of the completion of an exhaustive examination process. We specialize in evaluating the long-term financial consequences of property, casualty, life, and health insurance risks.

The Melville, NY office of Oliver Wyman Actuarial Consulting, Inc. provides actuarial consulting services to the MTA and FMTAC. The Melville office employs twelve individuals, including five Fellows and one Associate of the Casualty Actuarial Society. The project team that serves the MTA and FMTAC includes Steven G. McKinnon, FCAS, MAAA, FCA and Scott J. Lefkowitz, FCAS, MAAA, FCA. Mr. McKinnon and Mr. Lefkowitz are senior members of Oliver Wyman Actuarial Consulting, Inc. and have over 45 years of combined experience in the insurance and risk management industry. Mr. Lefkowitz is a Partner of Oliver Wyman and manages the Melville office. Mr. McKinnon is a Senior Principal and assists Mr. Lefkowitz with managing the Melville office. Mr. McKinnon and Mr. Lefkowitz are the primary consultants for a large number of clients with New York State workers compensation exposure and have extensive experience with the complexities of dealing with the changing New York State workers compensation environment. Mr. McKinnon and Mr. Lefkowitz have years of experience with unique workers compensation exposures, including the Jones Act, FELA, the United States Longshore and Harbor Workers Act, the Federal Black Lung Act, and numerous state jurisdictions.

Mr. McKinnon serves as the primary actuarial consultant to FMTAC, having day-to-day client management responsibilities for all aspects of Oliver Wyman's engagement to provide actuarial consulting services to FMTAC. Mr. Lefkowitz serves as the peer reviewer of all actuarial work products prepared by Mr. McKinnon for FMTAC.

Biographies

BlackRock Coverage Team for First Mutual Transportation Assurance Company

Danielle Nefouse, CFA, Director, is a member of BlackRock's Financial Institutions Group within the Institutional Client Business. She is a relationship manager responsible for developing and maintaining relationships with insurance clients in North America.

Prior to her current role, Danielle was a member of the Cash Management sales team within BlackRock's Trading & Liquidity Strategies Group where she was responsible for identifying and providing appropriate cash management solutions across Financial Institution sectors, including insurance companies, banks, private equity firms, hedge funds, custodians, structured finance, and collateral management. Danielle spent five years from 2008-2013 in BlackRock's London office in the Cash Management Financial Institutions sales team covering European clients.

Danielle's service with the firm dates back to 2004, including her years with Merrill Lynch Investment Managers (MLIM), which merged with BlackRock in 2006. Danielle began her career with MLIM as an analyst in the firm's Summer Analyst Program, and spent her first 3 years at the firm on the Global Proprietary Sales Desk, promoting MLIM/BlackRock managed products to the Merrill Lynch Global Wealth Management division.

Danielle earned a BBA degree, summa cum laude, in Finance & International Business from Villanova University, Pennsylvania in 2005. She is a CFA charter holder.

Catherine Cole, Director, is a member of the Financial Institutions Group within Americas Fixed Income Alpha Strategies. She is a portfolio manager on the Financial Institutions Portfolio Team.

Prior to joining BlackRock in 2012, Ms. Cole was an Associate at Goldman, Sachs and Co., where she was a member of the Macro Cross Asset Sales team with a focus on interest rate products. Ms. Cole began her career in 2007 at UBS on the Interest Rate Sales desk, covering Hedge Funds.

Ms. Cole earned a BA degree, cum laude, in Political Science from Yale University in 2007.

Angela Pflug, Director, is a member of BlackRock's Financial Institutions Group within the Institutional Client Business. She is a relationship manager responsible for developing and maintaining relationships with insurance clients.

Prior to joining BlackRock in March 2015, Ms. Pflug was an investment professional at MFP Investors, Michael Price's family office hedge fund, from 2012 to 2015 where she performed investment due diligence, trade execution and fund operations. Previously, she was with Cowen Group (f.k.a. Dahlman Rose) from 2010 to 2012 on the institutional research sales team, serving as a relationship manager for hedge fund and mutual fund clients.

Ms. Pflug earned a BA degree in Economics & Business from Lafayette College.

Stephen Boyle, Vice President, is a member of BlackRock's Financial Institutions Group within the Institutional Client Business. He is responsible for developing and maintaining relationships with insurance and other taxable clients.

Mr. Boyle began his career at BlackRock. Prior to assuming his current responsibilities, Mr. Boyle was a member of BlackRock's Portfolio Compliance Group (PCG) based in Delaware. The group is responsible for mitigating firm-wide operational risk by providing solutions for investment and trade-related operational issues. In addition, the group monitors and maintains portfolio compliance with both client specific guidelines and firm-wide regulatory trading constraints across a wide range of mandates.

Mr. Boyle earned a BSBA degree with a major in Finance and a minor in Economics from the University of Pittsburgh.

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GLOSSARY OF INSURANCE TERMS

Glossary of Captive Insurance Terms

Actuarial Report - An analysis intended to project ultimate loss costs using probability theory and other methods of statistical analysis. Used to determine the adequacy of a property and casualty insurer's statutory loss reserves and life insurer's unearned premium (technical) reserves.

Adjuster - A person who settles claims for insurers or self-insurance pools who may be either an employee of the insurance company or an independent contractor engaged by the insurer or self-insured.

Admitted Company - A company licensed or authorized to sell insurance to the general public. In the U.S., admitted companies are licensed on a state-by-state basis and differentiated from surplus lines insurers, which are authorized to sell insurance in a state on a non-admitted basis,

Affiliated Risk - The risks of the owners of the captive or their affiliates or of the participant in a captive cell when describing risks insured in a captive,

Aggregate - The greatest amount recoverable under a policy or reinsurance agreement from a single loss or all losses incurred during the contract period (can be multiyear or annual).

Aggregate Excess - Short for aggregate excess of loss. A method by which an insurer may recover excess losses after a policy or reinsurance aggregate or underlying deductible has been exhausted.

Broker - An intermediary who represents the insured in the purchase of insurance or reinsurance. Therefore, the broker's compensation should be from the insured, not the insurer, to prevent conflicts of interest.

Captive - An insurance company that has as its primary purpose the financing of the risks of its owners or participants. Typically licensed under special purpose insurer laws and operated under a different regulatory system than commercial insurers. The intention of such special purpose licensing laws and regulations is that the captive provides insurance to sophisticated insureds that require less policyholder protection than the general public.

Case Reserves - Loss reserves set up for an identified claim, with each claim assigned a case number.

Claims-made Insurance - Insurance that provides coverage for claims made against an insured within the policy period, regardless of when the action or accident giving rise to the claim occurred. The insured must have been notified of the claim after the retroactive date and must report it to the insurer before the expiration of the policy or any extended reporting period.

Deductible - An amount that an insured agrees to pay, per occurrence or on a per-policy basis, toward the total amount of the insured loss or losses. Insurance is written on this basis at reduced rates since the insured is responsible for the deductible payments as losses occur.

Deferred Acquisitions Cost - The amount of an insurer's acquisition costs incurred as premium is written but earned and expensed over the term of the policy. The deferred portion is capitalized and recognized as an asset on the insurer's balance sheet.

Deferred Tax Asset - The amount of loss reserves or unearned premium that is not deducted from an insurer's income when calculating income taxes. The deferral in the tax deduction arises because of the requirement to discount loss and unearned premium reserves. The insurer records an asset equal to the expected future amount of the tax deduction,

Earned Premium - The amount of premium covering the period a policy has been in force. Usually property, casualty, and health premium is earned in equal proportion to the amount of time elapsed since policy inception, i.e., 1/12 per month, but life insurance and some property and casualty policies insuring seasonal risks may earn in proportion to the amount of exposure.

Gross Written Premium (GWP) - The total premium written and assumed by an insurer before deductions for reinsurance and ceding commissions.

Incurred but not reported (IBNR) - The loss reserve value established by insurance and reinsurance companies in recognition of their liability for future payments on losses that have occurred but that have not yet been reported to them.

Incurred Loss - Total amount of a loss, including amounts paid and reserves for future payments.

Insured - Person or organization covered by an insurance policy, including the "named insured" and any additional insureds for-whom protection is provided under the policy term.

Liability Limits - The stipulated sum or sums beyond which an insurance company is not liable for payments due to a third party. The insured remains legally liable above the limits.

Limitation of Risk - The maximum amount an insurer or reinsurer must pay in any one loss event.

Loss - The destruction, reduction, or disappearance of value of tangible or intangible property; bodily or emotional injury; or reduction in income

Loss Adjustment Expense (LAE) - The expense incurred by the insurer in the investigation, defense, and settlement of claims under its policies.

Occurrence - An accident or incident, including continuous or repeated exposure to conditions that result in a loss neither expected nor intended from the standpoint of the insured, or an act or related series of acts that result in the same.

Premium - The sum paid for an insurance policy or consideration in the insurance contract. As income to the insurer, it is therefore the basis for taxes on the insurer.

Pure Premium - The amount of premium calculated for the risk to be insured, net of policy expenses. The amount of premium available to pay losses and allocated loss adjustment expenses (ALAEs).

Sponsor - The legal entity that contributes statutory capital to from a sponsored or association captive.

Standard Premium - Premium established by using rates believed by underwriters to reflect the standard or average risk for the class, before application of retrospective rating formulas. When debits and credits based on the insureds loss history or exposure are applied, the standard premium equals the pure premium.

Underwriting Expenses - 1. The cost incurred by an insurer when deciding whether to accept or decline a risk; may include meetings with the insureds or brokers, actuarial review of loss history, or physical inspections of exposures. 2. Expenses deducted from insurance company revenues (including incurred losses and acquisition costs) to determine underwriting profit.

Underwriting Profit- Insurer profit before investment income and income taxes.

Underwriting Risk - Uncertainty about whether or when a loss will occur and its amount.

Unearned Premium (UEP) - In property and casualty insurance, the fraction of written premium corresponding to the unexpired paid-up portion of the policy. If a policy has cancellation provisions, this is reserved on either a gross or short-rate basis (both discounted for income tax calculations).

Yellow Book - The annual reporting form for property and casualty insurers in the U.S.