

New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Complete Inventory 2013

Description:

Industry: 48 - Transportation and Warehousing

Address: 347 Madison Avenue
10th Floor
New York, New York US

Contact:

Website:

Reporting Information

Reporting Protocol: General Reporting Protocol 2.0 and associated updates and clarifications

GWP Standard: SAR

Base Year:

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: LRQA, Inc.

Level of Assurance: Reasonable

Entity Emissions | Total in metric tons of CO2e

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Stationary Combustion	119,620.176459	119,079.724911	39.305379	501.146169	0	0	0	0
Mobile Combustion	744,739.534455	740,677.2924	1,099.514456	2,962.727598	0	0	0	0
Fugitive	5,385.107	0	0	0	5,385.107	0	0	0
Total	869,744.817914	859,757.017311	1,138.819835	3,463.873768	5,385.107	0	0	0
NetTotal	869,744.817914	859,757.017311	1,138.819835	3,463.873768	5,385.107	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Purchased Electricity - Market Based	1,185,205.497292	1,182,896.103295	803.935943	1,505.458055	0	0	0	0
Purchased Steam - Market Based	12,870.997659	12,851.6778	6.364029	12.95583	0	0	0	0
Total	1,198,076.494951	1,195,747.781095	810.299972	1,518.413885	0	0	0	0
NetTotal	1,198,076.494951	1,195,747.781095	810.299972	1,518.413885	0	0	0	0

Biogenic - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Stationary Biomass Combustion	1,613.719422	1,613.719422	0	0	0	0	0	0
Mobile Biomass Combustion	307.22825	307.22825	0	0	0	0	0	0
Total	1,920.947672	1,920.947672	0	0	0	0	0	0
NetTotal	1,920.947672	1,920.947672	0	0	0	0	0	0

Optional - Optional Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t of CO ₂ e)	N ₂ O (t of CO ₂ e)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t of CO ₂ e)	SF ₆ (t of CO ₂ e)
Scope 3	59,052.72816	58,257.38257	60.31389	735.0317	0	0	0	0
Total	59,052.72816	58,257.38257	60.31389	735.0317	0	0	0	0
NetTotal	59,052.72816	58,257.38257	60.31389	735.0317	0	0	0	0

Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	119,620.176459	119,079.724911	1.871685	1.616601	0	0	0	0
Mobile Combustion	744,739.534455	740,677.2924	52.357831	9.557186	0	0	0	0
Fugitive	5,385.107	0	0	0	5,385.107	0	0	0
Total	869,744.817914	859,757.017311	54.229516	11.173786	5,385.107	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	1,185,205.497292	1,182,896.103295	38.282664	4.856316	0	0	0	0
Purchased Steam - Market Based	12,870.997659	12,851.6778	0.303049	0.041793	0	0	0	0
Total	1,198,076.494951	1,195,747.781095	38.585713	4.898109	0	0	0	0

Biogenic - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Biomass Combustion	1,613.719422	1,613.719422	0	0	0	0	0	0
Mobile Biomass Combustion	307.22825	307.22825	0	0	0	0	0	0
Total	1,920.947672	1,920.947672	0	0	0	0	0	0

Optional - Optional Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Scope 3	59,052.72816	58,257.38257	2.87209	2.37107	0	0	0	0
Total	59,052.72816	58,257.38257	2.87209	2.37107	0	0	0	0

Simplified Estimation Methods (SEMs)

	Total Estimated CO ₂ e (t)	Total Emissions (t of CO ₂ e)	Estimated CO ₂ e as a Percentage of Total*
Location Based	0	0	N/A
Market Based	6,199.284009	2,069,742.260537	0.299519613005907%

*Total based on scope 1, scope 2 & biomass emissions

Facility Emissions | HFC, PFC, and SF6 Emissions

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10017, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Fugitive	5,385.107	0	0	0	5,385.107	0	0	0
Total	5,385.107	0	0	0	5,385.107	0	0	0

Facility Emissions | MTA Facilities Non-traction Electricity and Heating (CT)

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10027, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	2,217.166222	2,204.778378	0.037426	0.037426	0	0	0	0
Total	2,217.166222	2,204.778378	0.037426	0.037426	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	4,736.992476	4,699.022265	0.488217	0.089412	0	0	0	0
Total	4,736.992476	4,699.022265	0.488217	0.089412	0	0	0	0

Facility Emissions | MTA Facilities Non-traction Electricity and Heating (NYS)

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10017, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Combustion	117,403.010237	116,874.946533	1.834259	1.579175	0	0	0	0
Total	117,403.010237	116,874.946533	1.834259	1.579175	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	241,414.495999	241,084.881916	5.739658	0.674456	0	0	0	0
Purchased Steam - Market Based	12,870.997659	12,851.6778	0.303049	0.041793	0	0	0	0
Total	254,285.493658	253,936.559716	6.042707	0.716249	0	0	0	0

Biogenic - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Stationary Biomass Combustion	1,613.719422	1,613.719422	0	0	0	0	0	0
Total	1,613.719422	1,613.719422	0	0	0	0	0	0

Facility Emissions | MTA Ground-based Non-Revenue Fleet

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10017, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Mobile Combustion	43,178.15796	42,592.4807	2.11496	1.74601	0	0	0	0
Total	43,178.15796	42,592.4807	2.11496	1.74601	0	0	0	0

Biogenic - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Mobile Biomass Combustion	307.22825	307.22825	0	0	0	0	0	0
Total	307.22825	307.22825	0	0	0	0	0	0

Facility Emissions | MTA Ground-based Revenue Fleet

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10017, US

Scope 1 - Direct Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Mobile Combustion	701,561.376495	698,084.8117	50.242871	7.811176	0	0	0	0
Total	701,561.376495	698,084.8117	50.242871	7.811176	0	0	0	0

Facility Emissions | MTA Traction Power Electricity

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10027, US

Scope 2 - Market Based - Indirect Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Purchased Electricity - Market Based	939,054.008817	937,112.199114	32.054789	4.092449	0	0	0	0
Total	939,054.008817	937,112.199114	32.054789	4.092449	0	0	0	0

Facility Emissions | NYCT Paratransit Ground-Based Fleet

Equity share - 100% | Entity controls the facility emissions - Yes

347 Madison Ave, New York, New York, 10017, US

Optional - Optional Emissions	Total CO ₂ e (t)	CO ₂ (t)	CH ₄ (t)	N ₂ O (t)	HFC (t of CO ₂ e)	PFC (t of CO ₂ e)	NF ₃ (t)	SF ₆ (t)
Scope 3	59,052.72816	58,257.38257	2.87209	2.37107	0	0	0	0
Total	59,052.72816	58,257.38257	2.87209	2.37107	0	0	0	0