



New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Complete Inventory 2021

Description:

Industry: 48 - Transportation and Warehousing

Address: 2 Broadway
21st Floor
New York, New York US

Contact:
Projjal Dutta
pdutta@mtahq.org

Website: mta.info/agency/departement-of-environmental-sustainability-and-compliance

Reporting Information

Reporting Protocol: General Reporting Protocol 3.0 and associated updates and clarifications

Additional Reporting Standards: None, None

GWP Standard: AR5

Base Year: 2021

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: Ruby Canyon Environmental, 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	101,369.241368	100,915.234846	47.643514	406.363008	0	0	0	0
Mobile Combustion	650,084.822957	646,549.122314	1,727.378333	1,808.32231	0	0	0	0
Fugitive	42,645.324712	0	0	0	42,645.324712	0	0	0
Total	794,099.389037	747,464.35716	1,775.021847	2,214.685318	42,645.324712	0	0	0
NetTotal	794,099.389037	747,464.35716	1,775.021847	2,214.685318	42,645.324712	0	0	0

Scope 2 - Location 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 - Location Based	1,181,584.203305	1,178,918.080066	1,270.898116	1,395.225123	0	0	0	0
Purchased Steam - Location Based	5,946.85777	5,939.50993	3.28804	4.0598	0	0	0	0
Total	1,187,531.061075	1,184,857.589996	1,274.186156	1,399.284923	0	0	0	0
NetTotal	1,187,531.061075	1,184,857.589996	1,274.186156	1,399.284923	0	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	1,181,584.203305	1,178,918.080066	1,270.898116	1,395.225123	0	0	0	0
Purchased Steam - Market Based	5,946.85777	5,939.50993	3.28804	4.0598	0	0	0	0
Total	1,187,531.061075	1,184,857.589996	1,274.186156	1,399.284923	0	0	0	0
NetTotal	1,187,531.061075	1,184,857.589996	1,274.186156	1,399.284923	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	776.034	776.034	0	0	0	0	0	0
Mobile Biomass Combustion	2.22525	2.22525	0	0	0	0	0	0
Total	778.25925	778.25925	0	0	0	0	0	0
NetTotal	778.25925	778.25925	0	0	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	101,369.241368	100,915.234846	1.701554	1.533445	0	0	0	0
Mobile Combustion	650,084.822957	646,549.122314	61.692083	6.823858	0	0	0	0
Fugitive	42,645.324712	0	0	0	42,645.324712	0	0	0
Total	794,099.389037	747,464.35716	63.393637	8.357303	42,645.324712	0	0	0

Scope 2 - Location 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 - Location Based	1,181,584.203305	1,178,918.080066	45.389218	5.265	0	0	0	0
Purchased Steam - Location Based	5,946.85777	5,939.50993	0.11743	0.01532	0	0	0	0
Total	1,187,531.061075	1,184,857.589996	45.506648	5.28032	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	1,181,584.203305	1,178,918.080066	45.389218	5.265	0	0	0	0
Purchased Steam - Market Based	5,946.85777	5,939.50993	0.11743	0.01532	0	0	0	0
Total	1,187,531.061075	1,184,857.589996	45.506648	5.28032	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	776.034	776.034	0	0	0	0	0	0
Mobile Biomass Combustion	2.22525	2.22525	0	0	0	0	0	0
Total	778.25925	778.25925	0	0	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	4,817.92265	1,982,408.709362	0.243033771362615%
Market Based	4,817.92265	1,982,408.709362	0.243033771362615%

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

Facility Emissions | MTA Fugitive Emissions

Equity share - 100% | Entity controls the facility emissions - Yes
 2 Broadway, New York, New York, 10004, 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	42,645.324712	0	0	0	42,645.324712	0	0	0
Total	42,645.324712	0	0	0	42,645.324712	0	0	0

Facility Emissions | MTA Mobile Non-revenue Fuel

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

2 Broadway, New York, New York, 10004, 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	52,633.008398	51,888.19863	1.348941	2.668073	0	0	0	0
Total	52,633.008398	51,888.19863	1.348941	2.668073	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	2.22525	2.22525	0	0	0	0	0	0
Total	2.22525	2.22525	0	0	0	0	0	0

Facility Emissions | MTA Mobile Revenue Electricity

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

2 Broadway, New York, New York, 10027, US

Scope 2 - Location 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 - Location Based	878,191.290169	876,120.356891	35.158135	4.100021	0	0	0	0
Total	878,191.290169	876,120.356891	35.158135	4.100021	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	878,191.290169	876,120.356891	35.158135	4.100021	0	0	0	0
Total	878,191.290169	876,120.356891	35.158135	4.100021	0	0	0	0

Facility Emissions | MTA Mobile Revenue Fuel

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

2 Broadway, 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	535,595.283292	534,177.37798	11.473897	4.13825	0	0	0	0
Total	535,595.283292	534,177.37798	11.473897	4.13825	0	0	0	0

Facility Emissions | MTA Mobile Revenue Natural Gas

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

2 Broadway, New York, New York, 10004, 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	61,856.531266	60,483.545704	48.869245	0.017535	0	0	0	0
Total	61,856.531266	60,483.545704	48.869245	0.017535	0	0	0	0

Facility Emissions | MTA Stationary Non-revenue Electricity

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

2 Broadway, New York, New York, 10004, US

Scope 2 - Location 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 - Location Based	303,392.913136	302,797.723175	10.231084	1.16498	0	0	0	0
Total	303,392.913136	302,797.723175	10.231084	1.16498	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	303,392.913136	302,797.723175	10.231084	1.16498	0	0	0	0
Total	303,392.913136	302,797.723175	10.231084	1.16498	0	0	0	0

Facility Emissions | MTA Stationary Non-revenue Fuel

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

2 Broadway, New York, New York, 10004, 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	16,013.349562	15,981.45082	0.260913	0.092804	0	0	0	0
Total	16,013.349562	15,981.45082	0.260913	0.092804	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	776.034	776.034	0	0	0	0	0	0
Total	776.034	776.034	0	0	0	0	0	0

Facility Emissions | MTA Stationary Non-revenue Natural Gas

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

2 Broadway, New York, New York, 10004, 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	85,355.891807	84,933.784026	1.440641	1.440641	0	0	0	0
Total	85,355.891807	84,933.784026	1.440641	1.440641	0	0	0	0

Facility Emissions | MTA Stationary Non-revenue Steam

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

2 Broadway, New York, New York, 10004, US

Scope 2 - Location 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 Steam - Location Based	5,946.85777	5,939.50993	0.11743	0.01532	0	0	0	0
Total	5,946.85777	5,939.50993	0.11743	0.01532	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 Steam - Market Based	5,946.85777	5,939.50993	0.11743	0.01532	0	0	0	0
Total	5,946.85777	5,939.50993	0.11743	0.01532	0	0	0	0