

New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Complete Inventory 2012

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	103,830.79361	103,365.46221	33.57195	431.75945	0	0	0	0
Mobile Combustion	734,835.24428	730,451.4681	1,026.6093	3,357.16688	0	0	0	0
Fugitive	5,460	0	0	0	5,460	0	0	0
Total	844,126.03789	833,816.93031	1,060.18125	3,788.92633	5,460	0	0	0
NetTotal	844,126.03789	833,816.93031	1,060.18125	3,788.92633	5,460	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	1,142,150.32886	1,139,844.04246	768.56207	1,537.72433	0	0	0	0
Purchased Steam - Market Based	14,050.78475	14,028.1909	7.23211	15.36174	0	0	0	0
Total	1,156,201.11361	1,153,872.23336	775.79418	1,553.08607	0	0	0	0
NetTotal	1,156,201.11361	1,153,872.23336	775.79418	1,553.08607	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	771.62746	771.62746	0	0	0	0	0	0
Mobile Biomass Combustion	415.81125	415.81125	0	0	0	0	0	0
Total	1,187.43871	1,187.43871	0	0	0	0	0	0
NetTotal	1,187.43871	1,187.43871	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	74,186.59188	72,524.66709	94.88409	1,567.0407	0	0	0	0
Total	74,186.59188	72,524.66709	94.88409	1,567.0407	0	0	0	0
NetTotal	74,186.59188	72,524.66709	94.88409	1,567.0407	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	103,830.79361	103,365.46221	1.59868	1.39278	0	0	0	0
Mobile Combustion	734,835.24428	730,451.4681	48.88615	10.82957	0	0	0	0
Fugitive	5,460	0	0	0	5,460	0	0	0
Total	844,126.03789	833,816.93031	50.48483	12.22235	5,460	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	1,142,150.32886	1,139,844.04246	36.5982	4.96039	0	0	0	0
Purchased Steam - Market Based	14,050.78475	14,028.1909	0.34439	0.04955	0	0	0	0
Total	1,156,201.11361	1,153,872.23336	36.94259	5.00994	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	771.62746	771.62746	0	0	0	0	0	0
Mobile Biomass Combustion	415.81125	415.81125	0	0	0	0	0	0
Total	1,187.43871	1,187.43871	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	74,186.59188	72,524.66709	4.51829	5.05497	0	0	0	0
Total	74,186.59188	72,524.66709	4.51829	5.05497	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	6,727.61987	2,001,514.59021	0.336126446587338%

*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	5,460	0	0	0	5,460	0	0	0
Total	5,460	0	0	0	5,460	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	1,759.42139	1,749.59107	0.0297	0.0297	0	0	0	0
Total	1,759.42139	1,749.59107	0.0297	0.0297	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	4,229.25477	4,195.35442	0.43589	0.07983	0	0	0	0
Total	4,229.25477	4,195.35442	0.43589	0.07983	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	102,071.37222	101,615.87114	1.56898	1.36308	0	0	0	0
Total	102,071.37222	101,615.87114	1.56898	1.36308	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	233,324.01936	232,983.77155	5.52	0.72363	0	0	0	0
Purchased Steam - Market Based	14,050.78475	14,028.1909	0.34439	0.04955	0	0	0	0
Total	247,374.80411	247,011.96245	5.86439	0.77318	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	771.62746	771.62746	0	0	0	0	0	0
Total	771.62746	771.62746	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	55,631.46064	54,375.89292	3.41352	3.81898	0	0	0	0
Total	55,631.46064	54,375.89292	3.41352	3.81898	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	415.81125	415.81125	0	0	0	0	0	0
Total	415.81125	415.81125	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	679,203.78364	676,075.57518	45.47263	7.01059	0	0	0	0
Total	679,203.78364	676,075.57518	45.47263	7.01059	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	904,597.05473	902,664.91649	30.64231	4.15693	0	0	0	0
Total	904,597.05473	902,664.91649	30.64231	4.15693	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	74,186.59188	72,524.66709	4.51829	5.05497	0	0	0	0
Total	74,186.59188	72,524.66709	4.51829	5.05497	0	0	0	0