

New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Complete Inventory 2015

Description:

Industry: 48 - Transportation and Warehousing

Address: 2 Broadway
4th Floor
New York, New York US

Contact:
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Website: www.mta.info/sustainability

Reporting Information

Reporting Protocol: General Reporting Protocol 2.1 and associated updates and clarifications

GWP Standard: AR5

Base Year:

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: First Environment, 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	129,870.724946	129,345.092039	55.143418	470.489488	0	0	0	0
Mobile Combustion	743,011.958903	738,814.688797	1,530.724286	2,666.545821	0	0	0	0
Fugitive	8,526.755656	0	0	0	8,526.755656	0	0	0
Total	881,409.439504	868,159.780836	1,585.867704	3,137.035309	8,526.755656	0	0	0
NetTotal	881,409.439504	868,159.780836	1,585.867704	3,137.035309	8,526.755656	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	1,177,665.46147	1,174,542.99989	1,454.313867	1,668.147713	0	0	0	0
Purchased Steam - Location Based	7,958.80228	7,948.26	4.82888	5.7134	0	0	0	0
Total	1,185,624.26375	1,182,491.25989	1,459.142747	1,673.861113	0	0	0	0
NetTotal	1,185,624.26375	1,182,491.25989	1,459.142747	1,673.861113	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	1,177,665.46147	1,174,542.99989	1,454.313867	1,668.147713	0	0	0	0
Purchased Steam - Market Based	7,958.80228	7,948.26	4.82888	5.7134	0	0	0	0
Total	1,185,624.26375	1,182,491.25989	1,459.142747	1,673.861113	0	0	0	0
NetTotal	1,185,624.26375	1,182,491.25989	1,459.142747	1,673.861113	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	1,657.25595	1,657.25595	0	0	0	0	0	0
Mobile Biomass Combustion	214.521	214.521	0	0	0	0	0	0
Total	1,871.77695	1,871.77695	0	0	0	0	0	0
NetTotal	1,871.77695	1,871.77695	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	67,201.6047	66,347.86204	120.56716	733.1755	0	0	0	0
Total	67,201.6047	66,347.86204	120.56716	733.1755	0	0	0	0
NetTotal	67,201.6047	66,347.86204	120.56716	733.1755	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	129,870.724946	129,345.092039	1.969408	1.775432	0	0	0	0
Mobile Combustion	743,011.958903	738,814.688797	54.668724	10.062437	0	0	0	0
Fugitive	8,526.755656	0	0	0	8,526.755656	0	0	0
Total	881,409.439504	868,159.780836	56.638132	11.837869	8,526.755656	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	1,177,665.46147	1,174,542.99989	51.939781	6.294897	0	0	0	0
Purchased Steam - Location Based	7,958.80228	7,948.26	0.17246	0.02156	0	0	0	0
Total	1,185,624.26375	1,182,491.25989	52.112241	6.316457	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	1,177,665.46147	1,174,542.99989	51.939781	6.294897	0	0	0	0
Purchased Steam - Market Based	7,958.80228	7,948.26	0.17246	0.02156	0	0	0	0
Total	1,185,624.26375	1,182,491.25989	52.112241	6.316457	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	1,657.25595	1,657.25595	0	0	0	0	0	0
Mobile Biomass Combustion	214.521	214.521	0	0	0	0	0	0
Total	1,871.77695	1,871.77695	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	67,201.6047	66,347.86204	4.30597	2.7667	0	0	0	0
Total	67,201.6047	66,347.86204	4.30597	2.7667	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	9,192.849406	2,068,905.480204	0.444333948261984%
Market Based	9,192.849406	2,068,905.480204	0.444333948261984%

*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	8,526.755656	0	0	0	8,526.755656	0	0	0
Total	8,526.755656	0	0	0	8,526.755656	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	52,471.68241	51,805.58866	3.35955	2.15859	0	0	0	0
Total	52,471.68241	51,805.58866	3.35955	2.15859	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	214.521	214.521	0	0	0	0	0	0
Total	214.521	214.521	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	915,371.757854	912,891.6498	41.22584	5.00296	0	0	0	0
Total	915,371.757854	912,891.6498	41.22584	5.00296	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	915,371.757854	912,891.6498	41.22584	5.00296	0	0	0	0
Total	915,371.757854	912,891.6498	41.22584	5.00296	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	620,182.900856	618,661.63616	12.348719	4.435851	0	0	0	0
Total	620,182.900856	618,661.63616	12.348719	4.435851	0	0	0	0

Facility Emissions | MTA Mobile Revenue Natural Gas

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

2 Boradway, 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	70,357.375637	68,347.463977	38.960456	3.467996	0	0	0	0
Total	70,357.375637	68,347.463977	38.960456	3.467996	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	262,293.703616	261,651.35009	10.713941	1.291937	0	0	0	0
Total	262,293.703616	261,651.35009	10.713941	1.291937	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	262,293.703616	261,651.35009	10.713941	1.291937	0	0	0	0
Total	262,293.703616	261,651.35009	10.713941	1.291937	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	36,690.571985	36,625.739929	0.396709	0.202733	0	0	0	0
Total	36,690.571985	36,625.739929	0.396709	0.202733	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	1,657.25595	1,657.25595	0	0	0	0	0	0
Total	1,657.25595	1,657.25595	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	93,180.152961	92,719.35211	1.572699	1.572699	0	0	0	0
Total	93,180.152961	92,719.35211	1.572699	1.572699	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	7,958.80228	7,948.26	0.17246	0.02156	0	0	0	0
Total	7,958.80228	7,948.26	0.17246	0.02156	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	7,958.80228	7,948.26	0.17246	0.02156	0	0	0	0
Total	7,958.80228	7,948.26	0.17246	0.02156	0	0	0	0

Facility Emissions | PARATRANSIT Mobile Revenue Fuel

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

2 Broadway, New York, New York, 10004, 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	67,078.9337	66,226.74937	4.29811	2.76165	0	0	0	0
Total	67,078.9337	66,226.74937	4.29811	2.76165	0	0	0	0

Facility Emissions | PARATRANSIT Mobile Revenue Natural Gas

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

2 Broadway, New York, New York, 10004, 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	122.671	121.11267	0.00786	0.00505	0	0	0	0
Total	122.671	121.11267	0.00786	0.00505	0	0	0	0