



New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Complete Inventory 2022

Description:

Industry: 48 - Transportation and Warehousing

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

Contact:
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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	109,257.429799	108,769.112208	50.277105	438.040486	0	0	0	0
Mobile Combustion	677,300.78751	673,684.668512	1,763.047889	1,853.071109	0	0	0	0
Fugitive	47,509.270436	0	0	0	47,509.270436	0	0	0
Total	834,067.487745	782,453.78072	1,813.324994	2,291.111594	47,509.270436	0	0	0
NetTotal	834,067.487745	782,453.78072	1,813.324994	2,291.111594	47,509.270436	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	1,226,865.068818	1,224,102.184757	1,317.023671	1,445.86039	0	0	0	0
Purchased Steam - Location Based	6,417.351115	6,409.423175	3.548015	4.379925	0	0	0	0
Total	1,233,282.419933	1,230,511.607932	1,320.571686	1,450.240315	0	0	0	0
NetTotal	1,233,282.419933	1,230,511.607932	1,320.571686	1,450.240315	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	1,226,865.068818	1,224,102.184757	1,317.023671	1,445.86039	0	0	0	0
Purchased Steam - Market Based	6,417.35106	6,409.42317	3.548147	4.379743	0	0	0	0
Total	1,233,282.419877	1,230,511.607927	1,320.571818	1,450.240132	0	0	0	0
NetTotal	1,233,282.419877	1,230,511.607927	1,320.571818	1,450.240132	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	828.387	828.387	0	0	0	0	0	0
Mobile Biomass Combustion	9.855165	9.855165	0	0	0	0	0	0
Total	838.242165	838.242165	0	0	0	0	0	0
NetTotal	838.242165	838.242165	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	109,257.429799	108,769.112208	1.795611	1.652983	0	0	0	0
Mobile Combustion	677,300.78751	673,684.668512	62.965996	6.992721	0	0	0	0
Fugitive	47,509.270436	0	0	0	47,509.270436	0	0	0
Total	834,067.487745	782,453.78072	64.761607	8.645704	47,509.270436	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	1,226,865.068818	1,224,102.184757	47.03656	5.456077	0	0	0	0
Purchased Steam - Location Based	6,417.351115	6,409.423175	0.126715	0.016528	0	0	0	0
Total	1,233,282.419933	1,230,511.607932	47.163275	5.472605	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	1,226,865.068818	1,224,102.184757	47.03656	5.456077	0	0	0	0
Purchased Steam - Market Based	6,417.351106	6,409.42317	0.12672	0.016527	0	0	0	0
Total	1,233,282.419877	1,230,511.607927	47.163279	5.472604	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	828.387	828.387	0	0	0	0	0	0
Mobile Biomass Combustion	9.855165	9.855165	0	0	0	0	0	0
Total	838.242165	838.242165	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	6,298.92693	2,068,188.149842	0.304562567523581%
Market Based	6,298.92693	2,068,188.149787	0.304562567531763%

*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	47,509.270436	0	0	0	47,509.270436	0	0	0
Total	47,509.270436	0	0	0	47,509.270436	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	45,724.671663	45,071.255101	1.175229	2.341548	0	0	0	0
Total	45,724.671663	45,071.255101	1.175229	2.341548	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	9.855165	9.855165	0	0	0	0	0	0
Total	9.855165	9.855165	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	935,353.200796	933,114.329976	37.961954	4.437495	0	0	0	0
Total	935,353.200796	933,114.329976	37.961954	4.437495	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	935,353.200796	933,114.329976	37.961954	4.437495	0	0	0	0
Total	935,353.200796	933,114.329976	37.961954	4.437495	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	567,959.862582	566,368.82391	12.96857	4.633656	0	0	0	0
Total	567,959.862582	566,368.82391	12.96857	4.633656	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	63,616.253264	62,244.589501	48.822198	0.017518	0	0	0	0
Total	63,616.253264	62,244.589501	48.822198	0.017518	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	291,511.868022	290,987.854781	9.074606	1.018582	0	0	0	0
Total	291,511.868022	290,987.854781	9.074606	1.018582	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	291,511.868022	290,987.854781	9.074606	1.018582	0	0	0	0
Total	291,511.868022	290,987.854781	9.074606	1.018582	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	17,050.285056	17,017.95653	0.239334	0.096706	0	0	0	0
Total	17,050.285056	17,017.95653	0.239334	0.096706	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	828.387	828.387	0	0	0	0	0	0
Total	828.387	828.387	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	92,207.144742	91,751.155678	1.556277	1.556277	0	0	0	0
Total	92,207.144742	91,751.155678	1.556277	1.556277	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	6,417.351115	6,409.423175	0.126715	0.016528	0	0	0	0
Total	6,417.351115	6,409.423175	0.126715	0.016528	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	6,417.35106	6,409.42317	0.12672	0.016527	0	0	0	0
Total	6,417.35106	6,409.42317	0.12672	0.016527	0	0	0	0