



New York State Metropolitan Transportation Authority	North American Detail Report - Control (Public)	Complete Inventory 2019
---	--	-------------------------

**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](http://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, None

GWP Standard: AR5

Base Year:

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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Stationary Combustion	106,523.75665	106,060.301026	49.527727	413.927897	0	0	0	0
Mobile Combustion	707,788.620285	700,735.068776	5,591.665137	1,461.886371	0	0	0	0
Fugitive	30,273.030496	0	0	0	30,273.030496	0	0	0
<b>Total</b>	<b>844,585.407431</b>	<b>806,795.369802</b>	<b>5,641.192865</b>	<b>1,875.814268</b>	<b>30,273.030496</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>844,585.407431</b>	<b>806,795.369802</b>	<b>5,641.192865</b>	<b>1,875.814268</b>	<b>30,273.030496</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Location Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Purchased Electricity - Location Based	1,049,837.923328	1,045,560.747487	1,904.363442	2,372.812399	0	0	0	0
Purchased Steam - Location Based	8,430.57431	8,420.16	4.66116	5.75315	0	0	0	0
<b>Total</b>	<b>1,058,268.497638</b>	<b>1,053,980.907487</b>	<b>1,909.024602</b>	<b>2,378.565549</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>1,058,268.497638</b>	<b>1,053,980.907487</b>	<b>1,909.024602</b>	<b>2,378.565549</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Purchased Electricity - Market Based	1,049,836.638016	1,045,559.465209	1,904.362117	2,372.810689	0	0	0	0
Purchased Steam - Market Based	8,430.57431	8,420.16	4.66116	5.75315	0	0	0	0
<b>Total</b>	<b>1,058,267.212326</b>	<b>1,053,979.625209</b>	<b>1,909.023277</b>	<b>2,378.563839</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>1,058,267.212326</b>	<b>1,053,979.625209</b>	<b>1,909.023277</b>	<b>2,378.563839</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Biogenic - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t of CO <sub>2</sub> e)	N <sub>2</sub> O (t of CO <sub>2</sub> e)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t of CO <sub>2</sub> e)	SF <sub>6</sub> (t of CO <sub>2</sub> e)
Stationary Biomass Combustion	941.39955	941.39955	0	0	0	0	0	0
Mobile Biomass Combustion	83.36925	83.36925	0	0	0	0	0	0
<b>Total</b>	1,024.7688	1,024.7688	0	0	0	0	0	0
<b>NetTotal</b>	1,024.7688	1,024.7688	0	0	0	0	0	0

## Entity Emissions | Total in metric tons of gas

Scope 1 - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	106,523.75665	106,060.301026	1.768847	1.561992	0	0	0	0
Mobile Combustion	707,788.620285	700,735.068776	199.702326	5.516552	0	0	0	0
Fugitive	30,273.030496	0	0	0	30,273.030496	0	0	0
<b>Total</b>	<b>844,585.407431</b>	<b>806,795.369802</b>	<b>201.471174</b>	<b>7.078544</b>	<b>30,273.030496</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Location Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Location Based	1,049,837.923328	1,045,560.747487	68.01298	8.954009	0	0	0	0
Purchased Steam - Location Based	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0
<b>Total</b>	<b>1,058,268.497638</b>	<b>1,053,980.907487</b>	<b>68.17945</b>	<b>8.975719</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Market Based	1,049,836.638016	1,045,559.465209	68.012933	8.954003	0	0	0	0
Purchased Steam - Market Based	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0
<b>Total</b>	<b>1,058,267.212326</b>	<b>1,053,979.625209</b>	<b>68.179403</b>	<b>8.975713</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Biogenic - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Biomass Combustion	941.39955	941.39955	0	0	0	0	0	0
Mobile Biomass Combustion	83.36925	83.36925	0	0	0	0	0	0
<b>Total</b>	1,024.7688	1,024.7688	0	0	0	0	0	0

## Simplified Estimation Methods (SEMs)

	Total Estimated CO <sub>2</sub> e (t)	Total Emissions (t of CO <sub>2</sub> e)	Estimated CO <sub>2</sub> e as a Percentage of Total*
Location Based	38,126.985529	1,903,878.673868	2.00259533617664%
Market Based	29,696.411219	1,903,877.388556	1.55978590837007%

\*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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Fugitive	30,273.030496	0	0	0	30,273.030496	0	0	0
<b>Total</b>	30,273.030496	0	0	0	30,273.030496	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Combustion	49,102.199917	48,814.91921	0.932814	0.985517	0	0	0	0
<b>Total</b>	49,102.199917	48,814.91921	0.932814	0.985517	0	0	0	0

Biogenic - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Biomass Combustion	83.36925	83.36925	0	0	0	0	0	0
<b>Total</b>	83.36925	83.36925	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Location Based	822,703.463927	819,084.571286	57.674259	7.562315	0	0	0	0
<b>Total</b>	<b>822,703.463927</b>	<b>819,084.571286</b>	<b>57.674259</b>	<b>7.562315</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Market Based	822,702.178615	819,083.289008	57.674212	7.562308	0	0	0	0
<b>Total</b>	<b>822,702.178615</b>	<b>819,083.289008</b>	<b>57.674212</b>	<b>7.562308</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Combustion	596,651.120942	595,104.09295	12.544232	4.512413	0	0	0	0
<b>Total</b>	<b>596,651.120942</b>	<b>595,104.09295</b>	<b>12.544232</b>	<b>4.512413</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



## 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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Mobile Combustion	62,035.299426	56,816.056616	186.22528	0.018623	0	0	0	0
<b>Total</b>	62,035.299426	56,816.056616	186.22528	0.018623	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Location Based	227,134.459401	226,476.176202	10.338721	1.391694	0	0	0	0
<b>Total</b>	227,134.459401	226,476.176202	10.338721	1.391694	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Electricity - Market Based	227,134.459401	226,476.176202	10.338721	1.391694	0	0	0	0
<b>Total</b>	227,134.459401	226,476.176202	10.338721	1.391694	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	21,215.136303	21,173.55469	0.329004	0.122149	0	0	0	0
<b>Total</b>	21,215.136303	21,173.55469	0.329004	0.122149	0	0	0	0

Biogenic - Direct Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Biomass Combustion	941.39955	941.39955	0	0	0	0	0	0
<b>Total</b>	941.39955	941.39955	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Stationary Combustion	85,308.620347	84,886.746336	1.439843	1.439843	0	0	0	0
<b>Total</b>	85,308.620347	84,886.746336	1.439843	1.439843	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 <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Steam - Location Based	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0
<b>Total</b>	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0

Scope 2 - Market Based - Indirect Emissions	Total CO <sub>2</sub> e (t)	CO <sub>2</sub> (t)	CH <sub>4</sub> (t)	N <sub>2</sub> O (t)	HFC (t of CO <sub>2</sub> e)	PFC (t of CO <sub>2</sub> e)	NF <sub>3</sub> (t)	SF <sub>6</sub> (t)
Purchased Steam - Market Based	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0
<b>Total</b>	8,430.57431	8,420.16	0.16647	0.02171	0	0	0	0