

New York State Metropolitan  
Transportation Authority

North American Detail Report - Control  
(Public)

Complete Inventory 2020

**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](https://mta.info/agency/departement-of-environmental-sustainability-and-compliance)

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**Reporting Information**

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

Additional Reporting Standards: None, None

GWP Standard: AR5

Base Year:

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

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**Verification Information**

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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	93,371.011834	92,954.656216	43.807385	372.548233	0	0	0	0
Mobile Combustion	562,948.507555	556,339.007664	5,057.851288	1,551.648602	0	0	0	0
Fugitive	47,737.7473	0	0	0	47,737.7473	0	0	0
<b>Total</b>	<b>704,057.266689</b>	<b>649,293.66388</b>	<b>5,101.658673</b>	<b>1,924.196835</b>	<b>47,737.7473</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>704,057.266689</b>	<b>649,293.66388</b>	<b>5,101.658673</b>	<b>1,924.196835</b>	<b>47,737.7473</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	1,008,856.889515	1,005,402.5447	1,522.995058	1,931.349757	0	0	0	0
Purchased Steam - Location Based	7,411.943306	7,402.786655	4.097904	5.058748	0	0	0	0
<b>Total</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>1,527.092962</b>	<b>1,936.408505</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>1,527.092962</b>	<b>1,936.408505</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	1,008,856.889515	1,005,402.5447	1,522.995058	1,931.349757	0	0	0	0
Purchased Steam - Market Based	7,411.943306	7,402.786655	4.097904	5.058748	0	0	0	0
<b>Total</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>1,527.092962</b>	<b>1,936.408505</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>NetTotal</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>1,527.092962</b>	<b>1,936.408505</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	744.2631	744.2631	0	0	0	0	0	0
Mobile Biomass Combustion	0.85675	0.85675	0	0	0	0	0	0
<b>Total</b>	745.11985	745.11985	0	0	0	0	0	0
<b>NetTotal</b>	745.11985	745.11985	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	93,371.011834	92,954.656216	1.564549	1.405842	0	0	0	0
Mobile Combustion	562,948.507555	556,339.007664	180.637546	5.855278	0	0	0	0
Fugitive	47,737.7473	0	0	0	47,737.7473	0	0	0
<b>Total</b>	<b>704,057.266689</b>	<b>649,293.66388</b>	<b>182.202095</b>	<b>7.26112</b>	<b>47,737.7473</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	1,008,856.889515	1,005,402.5447	54.392681	7.288112	0	0	0	0
Purchased Steam - Location Based	7,411.943306	7,402.786655	0.146354	0.01909	0	0	0	0
<b>Total</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>54.539034</b>	<b>7.307202</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	1,008,856.889515	1,005,402.5447	54.392681	7.288112	0	0	0	0
Purchased Steam - Market Based	7,411.943306	7,402.786655	0.146354	0.01909	0	0	0	0
<b>Total</b>	<b>1,016,268.832822</b>	<b>1,012,805.331355</b>	<b>54.539034</b>	<b>7.307202</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	744.2631	744.2631	0	0	0	0	0	0
Mobile Biomass Combustion	0.85675	0.85675	0	0	0	0	0	0
<b>Total</b>	745.11985	745.11985	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	5,450.136469	1,721,071.21936	0.316671175926894%
Market Based	5,450.136469	1,721,071.21936	0.316671175926895%

\*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	47,737.7473	0	0	0	47,737.7473	0	0	0
<b>Total</b>	47,737.7473	0	0	0	47,737.7473	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	42,975.476243	42,399.39285	1.265987	2.040135	0	0	0	0
<b>Total</b>	42,975.476243	42,399.39285	1.265987	2.040135	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	0.85675	0.85675	0	0	0	0	0	0
<b>Total</b>	0.85675	0.85675	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	737,905.358772	735,397.758684	39.520738	5.286866	0	0	0	0
<b>Total</b>	737,905.358772	735,397.758684	39.520738	5.286866	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	737,905.358772	735,397.758684	39.520738	5.286866	0	0	0	0
<b>Total</b>	737,905.358772	735,397.758684	39.520738	5.286866	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 <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	458,544.111894	457,244.04782	10.483099	3.798254	0	0	0	0
<b>Total</b>	458,544.111894	457,244.04782	10.483099	3.798254	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 <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	61,428.919418	56,695.566994	168.88846	0.016889	0	0	0	0
<b>Total</b>	61,428.919418	56,695.566994	168.88846	0.016889	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	270,951.530743	270,004.786016	14.871943	2.001247	0	0	0	0
<b>Total</b>	270,951.530743	270,004.786016	14.871943	2.001247	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	270,951.530743	270,004.786016	14.871943	2.001247	0	0	0	0
<b>Total</b>	270,951.530743	270,004.786016	14.871943	2.001247	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	15,342.27632	15,311.79373	0.247577	0.08887	0	0	0	0
<b>Total</b>	15,342.27632	15,311.79373	0.247577	0.08887	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	744.2631	744.2631	0	0	0	0	0	0
<b>Total</b>	744.2631	744.2631	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	78,028.735513	77,642.862486	1.316973	1.316973	0	0	0	0
<b>Total</b>	78,028.735513	77,642.862486	1.316973	1.316973	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	7,411.943306	7,402.786655	0.146354	0.01909	0	0	0	0
<b>Total</b>	7,411.943306	7,402.786655	0.146354	0.01909	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	7,411.943306	7,402.786655	0.146354	0.01909	0	0	0	0
<b>Total</b>	7,411.943306	7,402.786655	0.146354	0.01909	0	0	0	0