

New York State Metropolitan
Transportation Authority

Detail Report - Control (Public)

Transitional Inventory 2010

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 1.1 and associated updates and clarifications

GWP Standard: SAR

Base Year: None

Consolidation Methodology: Operational Control Only

Status: TCR Accepted

Verification Information

Verification Body: LRQA Americas Sustainability, 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	118,218.35366	117,589.73156	131.3608	497.2613	0	0	0	0
Mobile Combustion	789,494.52997	783,902.83108	1,595.22193	3,996.47696	0	0	0	0
Total	907,712.88363	901,492.56264	1,726.58273	4,493.73826	0	0	0	0
NetTotal	907,712.88363	901,492.56264	1,726.58273	4,493.73826	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	1,183,884.1162	1,178,032.50267	881.99564	4,969.61789	0	0	0	0
Purchased Steam - Market Based	17,144.2824	17,118.27474	1.46217	24.54549	0	0	0	0
Total	1,201,028.3986	1,195,150.77741	883.45781	4,994.16338	0	0	0	0
NetTotal	1,201,028.3986	1,195,150.77741	883.45781	4,994.16338	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	402.6456	402.6456	0	0	0	0	0	0
Mobile Biomass Combustion	418.52968	418.52968	0	0	0	0	0	0
Total	821.17528	821.17528	0	0	0	0	0	0
NetTotal	821.17528	821.17528	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	84,297.52027	82,409.09112	107.81581	1,780.61334	0	0	0	0
Total	84,297.52027	82,409.09112	107.81581	1,780.61334	0	0	0	0
NetTotal	84,297.52027	82,409.09112	107.81581	1,780.61334	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	118,218.35366	117,589.73156	6.25529	1.60405	0	0	0	0
Mobile Combustion	789,494.52997	783,902.83108	75.96294	12.89185	0	0	0	0
Total	907,712.88363	901,492.56264	82.21823	14.4959	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	1,183,884.1162	1,178,032.50267	41.99979	16.03102	0	0	0	0
Purchased Steam - Market Based	17,144.2824	17,118.27474	0.06963	0.07918	0	0	0	0
Total	1,201,028.3986	1,195,150.77741	42.06942	16.1102	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	402.6456	402.6456	0	0	0	0	0	0
Mobile Biomass Combustion	418.52968	418.52968	0	0	0	0	0	0
Total	821.17528	821.17528	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	84,297.52027	82,409.09112	5.13409	5.74392	0	0	0	0
Total	84,297.52027	82,409.09112	5.13409	5.74392	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	1,043.71676	2,109,562.45751	0.0494755088328572%

*Total based on scope 1, scope 2 & biomass emissions

Facility Emissions | MTA Bridges & Tunnels (B&T) Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	5,994.3038	5,975.85391	0.07233	0.05461	0	0	0	0
Total	5,994.3038	5,975.85391	0.07233	0.05461	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	14,565.96959	14,493.22226	0.37422	0.20932	0	0	0	0
Total	14,565.96959	14,493.22226	0.37422	0.20932	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	202.14495	202.14495	0	0	0	0	0	0
Total	202.14495	202.14495	0	0	0	0	0	0

Facility Emissions | MTA Bridges & Tunnels (B&T) Ground-based fleet (non-revenue)

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

N/A, N/A, New York, N/A, 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	3,323.46448	3,225.82291	0.26547	0.29699	0	0	0	0
Total	3,323.46448	3,225.82291	0.26547	0.29699	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	418.10935	418.10935	0	0	0	0	0	0
Total	418.10935	418.10935	0	0	0	0	0	0

Facility Emissions | MTA Bus Company Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	6,023.12549	5,989.46022	0.1965	0.09529	0	0	0	0
Total	6,023.12549	5,989.46022	0.1965	0.09529	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	7,831.42759	7,804.04333	0.25738	0.07091	0	0	0	0
Total	7,831.42759	7,804.04333	0.25738	0.07091	0	0	0	0

Facility Emissions | MTA Bus Company Ground-based fleet (revenue)

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

N/A, N/A, New York, N/A, 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	124,302.76199	123,626.48687	12.74219	1.31836	0	0	0	0
Total	124,302.76199	123,626.48687	12.74219	1.31836	0	0	0	0

Facility Emissions | MTA Headquarters (HQ) Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	10,303.43943	10,280.26061	0.38246	0.04886	0	0	0	0
Purchased Steam - Market Based	2,315.12612	2,310.43603	0.06558	0.01069	0	0	0	0
Total	12,618.56555	12,590.69664	0.44804	0.05955	0	0	0	0

Facility Emissions | MTA Headquarters (HQ) Ground-based fleet (non-revenue)

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

N/A, N/A, New York, N/A, 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	3,311.98013	3,237.79899	0.20168	0.22564	0	0	0	0
Total	3,311.98013	3,237.79899	0.20168	0.22564	0	0	0	0

Facility Emissions | MTA Long Island Bus (LIB) Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	2,989.79058	2,973.0859	0.05047	0.05047	0	0	0	0
Total	2,989.79058	2,973.0859	0.05047	0.05047	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	9,302.4872	9,263.55898	0.59094	0.08554	0	0	0	0
Total	9,302.4872	9,263.55898	0.59094	0.08554	0	0	0	0

Facility Emissions | MTA Long Island Bus (LIB) Ground-based fleet (revenue+non-revenue)

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

N/A, N/A, New York, N/A, 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	41,034.80403	39,745.45299	24.33641	2.51058	0	0	0	0
Total	41,034.80403	39,745.45299	24.33641	2.51058	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	0.33235	0.33235	0	0	0	0	0	0
Total	0.33235	0.33235	0	0	0	0	0	0

Facility Emissions | MTA Long Island Rail Road (LIRR) Electricity - Traction Power (Revenue)

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

N/A, N/A, New York, N/A, 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	223,234.66995	222,239.35638	11.32392	2.44358	0	0	0	0
Total	223,234.66995	222,239.35638	11.32392	2.44358	0	0	0	0

Facility Emissions | MTA Long Island Rail Road (LIRR) Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	10,430.5696	10,372.47788	0.17632	0.17545	0	0	0	0
Total	10,430.5696	10,372.47788	0.17632	0.17545	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	40,626.66369	40,441.4658	1.81154	0.4747	0	0	0	0
Total	40,626.66369	40,441.4658	1.81154	0.4747	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	1.04895	1.04895	0	0	0	0	0	0
Total	1.04895	1.04895	0	0	0	0	0	0

Facility Emissions | MTA Long Island Rail Road (LIRR) Ground-based fleet (revenue+non-revenue)

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

N/A, N/A, New York, N/A, 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	81,984.39373	81,115.3685	6.23913	2.38065	0	0	0	0
Total	81,984.39373	81,115.3685	6.23913	2.38065	0	0	0	0

Facility Emissions | MTA Metro-North Railroad (MNR) Electricity (CT) - Traction Power (Revenue)

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

N/A, N/A, Connecticut, N/A, 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	57,742.63536	57,304.603	5.32812	1.05207	0	0	0	0
Total	57,742.63536	57,304.603	5.32812	1.05207	0	0	0	0

Facility Emissions | MTA Metro-North Railroad (MNR) Electricity (NYS) - Traction Power (Revenue)

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

N/A, N/A, New York, N/A, 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	103,135.48882	102,643.1469	2.71527	1.40425	0	0	0	0
Total	103,135.48882	102,643.1469	2.71527	1.40425	0	0	0	0

Facility Emissions | MTA Metro-North Railroad (MNR) Facilities - CT (Non-traction electricity+heating)

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

N/A, N/A, Connecticut, N/A, 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	5,985.03999	5,939.63781	0.55226	0.10905	0	0	0	0
Total	5,985.03999	5,939.63781	0.55226	0.10905	0	0	0	0

Facility Emissions | MTA Metro-North Railroad (MNR) Facilities - NY (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	13,142.43574	13,069.19661	1.30133	0.14809	0	0	0	0
Total	13,142.43574	13,069.19661	1.30133	0.14809	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	28,512.78002	28,381.44721	0.7711	0.37142	0	0	0	0
Purchased Steam - Market Based	14,829.15628	14,807.83871	0.00405	0.06849	0	0	0	0
Total	43,341.9363	43,189.28592	0.77515	0.43991	0	0	0	0

Facility Emissions | MTA Metro-North Railroad (MNR) Ground-based fleet (non-revenue)

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	77,275.26429	76,439.20987	5.82132	2.3026	0	0	0	0
Total	77,275.26429	76,439.20987	5.82132	2.3026	0	0	0	0

Facility Emissions | MTA NYCT - Paratransit - Ground-based fleet (revenue+non-revenue)

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

N/A, N/A, New York, N/A, 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	84,297.52027	82,409.09112	5.13409	5.74392	0	0	0	0
Total	84,297.52027	82,409.09112	5.13409	5.74392	0	0	0	0

Facility Emissions | MTA NYCT Electricity - Traction Power (Revenue)

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

N/A, N/A, New York, N/A, 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	539,985.31544	537,295.44617	14.20015	7.71505	0	0	0	0
Total	539,985.31544	537,295.44617	14.20015	7.71505	0	0	0	0

Facility Emissions | MTA NYCT Facilities (Non-traction electricity+heating)

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

N/A, N/A, New York, N/A, 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	79,638.12845	79,209.65704	4.45834	1.08014	0	0	0	0
Total	79,638.12845	79,209.65704	4.45834	1.08014	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	142,658.19912	141,946.31422	3.69243	2.04627	0	0	0	0
Total	142,658.19912	141,946.31422	3.69243	2.04627	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	199.4517	199.4517	0	0	0	0	0	0
Total	199.4517	199.4517	0	0	0	0	0	0

Facility Emissions | MTA NYCT Ground-based fleet (Revenue)

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

N/A, N/A, New York, N/A, 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	458,261.86132	456,512.69095	26.35674	3.85703	0	0	0	0
Total	458,261.86132	456,512.69095	26.35674	3.85703	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	0.08798	0.08798	0	0	0	0	0	0
Total	0.08798	0.08798	0	0	0	0	0	0