



Gas Company ESG/Sustainability Quantitative Information

Parent Company: National Fuel Gas Company
Operating Company(s): National Fuel Gas Distribution Corp. (NFGDC)
Business Type(s): Natural Gas Utility
State(s) of Operation: New York and Pennsylvania
Regulatory Environment: Regulated
Report Date: February 4, 2022

Ref. No.	CY2018	CY2019	CY2020	Comments/Notes
Natural Gas Distribution				
1 METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS				
1.1 Number of Gas Distribution Customers	741,000	743,400	747,000	
1.2 Distribution Mains in Service				
1.2.1 Plastic (miles)	8,832	9,003	9,189	
1.2.2 Cathodically Protected Steel - Bare & Coated (miles)	3,212	3,202	3,192	
1.2.3 Unprotected Steel - Bare & Coated (miles)	2,128	2,021	1,898	
1.2.4 Cast Iron / Wrought Iron - without upgrades (miles)	384	355	330	NFGDC has no cast iron mains remaining in its Pennsylvania operating territory and 24 miles of cast iron overall as of 12/31/20.
1.2.5 Total mains (miles)	14,556	14,581	14,609	As a participant in EPA's Methane Challenge, NFGDC has committed to a minimum annual replacement rate of 3% for unprotected steel and cast/wrought iron mains along with associated service lines. Since 2012, NFGDC has retired 887 miles of unprotected steel and 209 miles of cast/wrought iron mains along with 30,732 associated service lines.
1.3 Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)				
1.3.1 Unprotected Steel (Bare & Coated) (# years to complete)	24	23	22	
1.3.2 Cast Iron / Wrought Iron (# years to complete)	4 (CI only)	3 (CI only)	2 (CI only)	Wrought iron is included in the unprotected steel replacement rate.
2 Distribution CO ₂ e Fugitive Emissions				
2.1 CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	257,815	247,705	237,882	CO ₂ -e calculated using AR4 (CH ₄ = 25) Global Warming Potential.
2.2 CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	10,313	9,908	9,515	
2.2.1 CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	537	516	496	
2.3 Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	152,123,551	147,546,767	134,810,484	Total end use consumption as reported to EIA (Form 176, Part 6). Includes both retail and transportation customers. Volumes are <u>not</u> weather-normalized.
2.3.1 Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMSCF/year)	144,517	140,169	128,070	
2.4 Fugitive Methane Emissions Rate (Percent. MMscf of Methane Emissions per MMscf of Methane Throughput)	0.372%	0.368%	0.387%	Note: Emissions are calculated from activity data (miles of main, number of services) and emission factors that are unrelated to throughput. As such, users should consider 'emissions rate' in the context of other metrics.
Additional Metrics (Optional)				
Heating Degree Days (Buffalo, NY)	6,514	6,633	5,844	Source: NYSERDA website (https://www.nyserd.org/about/publications/ea-reports-and-studies/weather-data/monthly-cooling-and-heating-degree-day-data#Buffalo), accessed 7/12/21.
Utility Fugitive Methane Emissions (as CO ₂ -e) per Total Miles of Main (MT CO ₂ -e/mile)	17.7	17.0	16.3	Item 2.1 divided by item 1.2.5
Indirect (End-User/Scope 3) Emissions (MT CO ₂)	7,180,490	7,170,993	6,535,787	As reported to EPA, 40 CFR Part 98, Subpart NN
Natural Gas Transmission and Storage				
NFGDC does not meet the EPA reporting threshold for this segment. See 2020 Corporate Responsibility Report for more information.				
Natural Gas Gathering and Boosting				
NFGDC does not meet the EPA reporting threshold for this segment. See 2020 Corporate Responsibility Report for more information.				
Human Resources & Safety				
1.1 Total Number of Employees	1,415	1,416	1,451	
1.2 Percentage of Women in Total Workforce	32.3%	31.8%	30.4%	
1.3 Percentage of Minorities in Total Workforce	9.7%	10.2%	9.9%	
2.1 Total Number on Board of Directors/Trustees	10	10	11	
2.2 Percentage of Women on Board of Directors/Trustees	10.0%	10.0%	18.2%	
2.3 Percentage of Minorities on Board of Directors/Trustees	10.0%	10.0%	9.1%	
3 Employee Safety Metrics				
3.1 Recordable Incident Rate	3.52	4.43	2.35	Safety metrics are consolidated numbers for NFGDC, National Fuel Gas Supply Corp., and Empire Pipeline, Inc.
3.2 Lost-time Case Rate	1.33	1.55	0.94	
3.3 Days Away, Restricted, and Transfer (DART) Rate	2.50	3.03	2.04	
3.4 Work-related Fatalities	0	0	0	