



**AMERICAN GAS ASSOCIATION GAS COMPANY ESG/SUSTAINABILITY REPORTING TEMPLATE**

Parent Company: New Jersey Resources  
 Operating Company(s): New Jersey Natural Gas  
 Business Type(s): Local Distribution Company  
 State(s) of Operation: New Jersey  
 Regulatory Environment: Regulated  
 Report Date: January 2022

The American Gas Association (AGA) developed a voluntary reporting template to support the sharing of more uniform and consistent ESG data among from members companies to the financial community.

Note: The information presented below is reported on a calendar year basis in line with NJNG's annual required reporting under the Environmental Protection Agency's 40 CFR Part 98, Subpart W.

		Baseline	Past Year	Last Year	Current Year	Definitions
Ref. No.	Refer to the "Definitions" column for more information on each metric.	2011	2018	2019	2020	
<b>Natural Gas Distribution</b>						
						All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO2 is excluded.
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS					
1.1	Number of Gas Distribution Customers	497,752	543,749	552,099	559,631	These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.
1.2	Distribution Mains in Service					
1.2.1	Plastic (miles)	3,220	4,113	4,261	4,379	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	3,056	2,962	2,954	2,942	
1.2.3	Unprotected Steel - Bare & Coated (miles)	505	196	127	96	
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	66	-	-	-	

		Baseline	Past Year	Last Year	Current Year	Definitions
Ref. No.	Refer to the "Definitions" column for more information on each metric.	2011	2018	2019	2020	
<b>Natural Gas Distribution</b>						
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)					These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	-	-	3	1	Optional: # yrs by pipe type.
1.3.2	Cast Iron / Wrought Iron (# years to complete)	-	-	-	-	Optional: # yrs by pipe type
2	Distribution CO2e Fugitive Emissions					
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	95,473.00	45,709.25	39,859.75	38,432.25	Fugitive methane emissions (not CO2 combustion emissions) stated as CO2e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(D), 98.236(r)(1)(v), and 98.236(r)(2)(v)(B) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO2e here. This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule. Calculated value based on mt CH4 input in the 2.2 (below).

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Ref. No.	Refer to the "Definitions" column for more information on each metric.	2011	2018	2019	2020	
<b>Natural Gas Distribution</b>						
2.2	CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	3,818.92	1,828.37	1,594.39	1,537.29	INPUT VALUE (total mt CH4) as explained in definition above. Subpart W input is CH4 (mt).
2.2.1	CH4 Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	198.90	95.23	83.04	80.07	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	63,724,725	106,620,038	103,851,784	84,977,860	This metric provides gas throughput from distribution (quantity of natural gas delivered to end users) reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(iv), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, Quantity of natural gas delivered to end users (column 4).
2.3.1	Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet	60,538	101,289	98,659	80,729	
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.33%	0.09%	0.08%	0.10%	Calculated annual metric: (MMSFC methane emissions/MMSCF methane throughput)