

Gas Company ESG / Sustainability Quantitative Information Template

Parent Company: Southwest Gas Holdings, Inc.
 Operating Company(s): Southwest Gas Corporation
 Business Type(s): LDC
 State(s) of Operation: Arizona, California and Nevada
 Regulatory Environment: Regulated
 Report Date: 2020



REF NO.	Refer to the "Definitions" combine for more information on each metric	BASELINE 2015	2019	2020	DEFINITIONS
Natural Gas Distribution					
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS				<i>All methane leak sources per 98.232 (j) (1-6) are included for Distribution. Combustion sources are excluded. CO2 is excluded.</i>
1.1	Number of Gas Distribution Customers	1,927,107	2,051,492	2,093,590	
1.2	Distribution Mains in Service				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.
1.2.1	Plastic (miles)	23,973.00	25,473.42	25,974.90	
1.2.2	Cathodically Protected Steel Bare & Coated (miles)	6,699.00	6,371.30	6,312.10	
1.2.3	Unprotected Steel - Bare & Coated (miles)	•	•	•	
1.2.4	Cast Iron / Wrought Iron without upgrades (miles)	•	•	•	
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)	•	•	•	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				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).
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	142,959.00	149,332.50	151,451.50	
2.2	CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	5,718.00	5,973.30	6,058.06	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) ¹	297.81	311.11	315.52	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	205,402,775	230,916,156	219,121,714	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-GRRR 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 (MMscf/year)	195,132.64	219,370.35	208,165.63	
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0%	0%	0%	Calculated annual metric: (MMSFC methane emissions/MMSCF methane throughput)