

# AGA Template



## Gas Company ESG/Sustainability Quantitative Information

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: 2022

REF. NO.	REFER TO THE "DEFINITIONS" COLUMN FOR MORE INFORMATION ON EACH METRIC.	BASELINE 2015	2019	2020	2021	2022	DEFINITIONS
<b>Natural Gas Distribution</b>							
							<b>All methane leak sources per 98.232 (i) (1-6) are included for distribution. Combustion sources are excluded. CO<sub>2</sub> is excluded.</b>
<b>1</b>	<b>Methane emissions and mitigation from distribution mains</b>						
1.1	Number of gas distribution customers	1,927,107	2,051,492	2,093,590	2,157,492	2,195,856	
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	25,473.42	25,974.9	26,423.1	27,315.4	
1.2.2	Cathodically protected steel – bare and coated (miles)	6,699	6,371.3	6,312.1	6,272.1	6,364.1	
1.2.3	Unprotected steel – bare and coated (miles)	0	0	0	0	0	
1.2.4	Cast iron/wrought iron – without upgrades (miles)	0	0	0	0	0	
1.3	Plan/commitment to replace/upgrade remaining miles of distribution mains (# of 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 and coated (# of years to complete)	0	0	0	0	0	Optional: # of years by pipe type
1.3.2	Cast iron/wrought iron (# of years to complete)	0	0	0	0	0	Optional: # of years by pipe type

REF. NO.	REFER TO THE "DEFINITIONS" COLUMN FOR MORE INFORMATION ON EACH METRIC.	BASELINE 2015	2019	2020	2021	2022	DEFINITIONS
<b>Natural Gas Distribution</b>							
<b>2</b>	<b>Distribution CO<sub>2</sub>e fugitive emissions</b>						
<b>2.1</b>	CO <sub>2</sub> e fugitive methane emissions from gas distribution operations (metric tons)	142,959	149,332.5	151,451.5	153,392.5	158,107.5	Fugitive methane emissions (not CO <sub>2</sub> combustion emissions) stated as CO <sub>2</sub> e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(a)(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 CO <sub>2</sub> e 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 CH <sub>4</sub> input in row 2.2 (below).
<b>2.2</b>	CH <sub>4</sub> fugitive methane emissions from gas distribution operations (metric tons)	5,718	5,973.5	6,058.06	6,135.7	6,324.3	INPUT VALUE (total MT CH <sub>4</sub> ) as explained in definition above. Subpart W input is CH <sub>4</sub> (MT).
<b>2.2.1</b>	CH <sub>4</sub> fugitive methane emissions from gas distribution operations (MMscf/year)	297.8125	311.1094	315.524	319.5677	329.3906	
<b>2.3</b>	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	216,913,433	229,215,433	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).
<b>2.3.1</b>	Annual methane gas throughput from gas distribution operations in millions of standard cubic feet (MMscf/year)	195,132.6	219,370.3	208,165.6	206,067.8	217,754.7	
<b>2.4</b>	Fugitive methane emissions rate (percent MMscf of methane emissions per MMscf of methane throughput)	0.15%	0.14%	0.15%	0.16%	0.15%	Calculated annual metric (MMscf methane emissions/ MMscf methane throughput)

© 2021 American Gas Association. All rights reserved.