

Atmos Energy AGA Voluntary Sustainability Metrics: Quantitative Information

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company. © American Gas Association. All rights reserved.

Parent Company: Atmos Energy Corporation
Operating Company(s): Atmos Energy Corporation
Business Type(s): Gas Distribution, Transmission, and Storage
State(s) of Operation: Colorado, Kansas, Kentucky, Louisiana, Mississippi, Tennessee, Texas, Virginia
Regulatory Environment: Regulated

Report Date: 4/22/2019

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Year	Definitions	Comments, Additional Information
		2018		

NATURAL GAS DISTRIBUTION

1 METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS				
1.1	Number of Gas Distribution Customers	3,272,020		
1.2	Distribution Mains in Service		<p><i>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.</i></p>	<p>As part of our Integrity Management Programs Atmos Energy utilizes risk management models and subject matter experts to identify, assess and develop a plan of action to address the highest threats to our facilities. Atmos Energy is on track to replace between 5,000 and 6,000 miles of distribution and transmission pipes over the next 5 years. Included in this total is a commitment to replace all remaining cast iron main by 2021.</p>
1.2.1	Plastic (miles)	37,348		
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	24,634		
1.2.3	Unprotected Steel - Bare & Coated (miles)	7,447		
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	428		
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)		<p>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.</p>	
2 Distribution CO2e Fugitive Emissions				
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	820,517	<p><i>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)(C) and (D), 98.236(r)(1)(iv) and (v), and 98.236(r)(2)(v)(A) and (B). 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.</i></p>	
2.2	Natural Gas Throughput from Gas Distribution Operations in thousands of scf	470,124,660	<p>This metric provides gas distribution throughput reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(i) through (iii), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, gas received (column 1) plus the gas withdrawn (column 2) minus the gas injected into storage (column 3). See screenshot of e-GRRT report provided in template instructions.</p>	

Atmos Energy AGA Voluntary Sustainability Metrics: Quantitative Information

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company. © American Gas Association. All rights reserved.

Parent Company: Atmos Energy Corporation
Operating Company(s): Atmos Energy Corporation
Business Type(s): Gas Distribution, Transmission, and Storage
State(s) of Operation: Colorado, Kansas, Kentucky, Louisiana, Mississippi, Tennessee, Texas, Virginia
Regulatory Environment: Regulated
Report Date: 4/22/2019

Ref. No.	Year	Definitions	Comments, Additional Information
2.3	2018	2.1 divided by 2.2	

Refer to the "Definitions" column for more information on each metric.

CO2e Fugitive Methane Emissions Rate (metric tons per thousandssc of Throughput)

Atmos Energy AGA Voluntary Sustainability Metrics: Quantitative Information

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company. © American Gas Association. All rights reserved.

Parent Company: Atmos Energy Corporation
Operating Company(s): Atmos Energy Corporation
Business Type(s): Gas Distribution, Transmission, and Storage
State(s) of Operation: Colorado, Kansas, Kentucky, Louisiana, Mississippi, Tennessee, Texas, Virginia
Regulatory Environment: Regulated

Report Date: 4/22/2019

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Year 2018	Definitions	Comments, Additional Information
----------	--	--------------	-------------	----------------------------------

NATURAL GAS TRANSMISSION & STORAGE

1.2	Transmission Pipelines, Blow Down Volumes, and Fugitive Emissions			
1.2.1	Total Miles of Transmission Pipeline Operated by gas utility (<i>miles</i>)	6,764		
1.2.2	Volume of Transmission Pipeline Blow Down Emissions - outside storage and compression facilities:		<i>As reported to EPA under 40 CFR 98, Subpart W.</i>	
1.2.2.1	scf natural gas			
1.2.2.3	metric tons CO2e			
1.3	Underground Natural Gas Storage Emissions			
1.3.2	Storage Compressor Station Emissions (<i>metric tons CO2e</i>)	N/A	<i>As reported to EPA under 40 CFR 98, Subpart W.</i>	Emissions do not meet minimum reporting threshold.
1.3.3	Storage Facility Wellhead Component Fugitive Emissions (<i>metric tons of CO2e</i>)		<i>Utilizing EPA emissions factors, as reported to EPA under Subpart W, 40 CFR 98.236, on the e-GRRR integrated reporting form, "Equipment Leaks Surveys and Population Counts [98.236 (q, r)]" tab.</i>	
2	CO2e EMISSIONS FOR TRANSMISSION AND STORAGE COMPRESSION			
2.1	CO2e Emissions for Transmission Pipelines (<i>metric tons</i>)	53,778.70	<i>CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C and methane emissions stated as CO2e as reported under Subpart W.</i>	Emissions for 1 facility meet the reporting threshold.
2.2	CO2e Emissions for Storage Facilities (<i>metric tons</i>)	N/A	<i>CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C and methane emissions stated as CO2e as reported under Subpart W.</i>	Emissions do not meet minimum reporting threshold.
3	CONVENTIONAL AIR EMISSIONS FROM TRANSMISSION AND STORAGE COMPRESSION			
3.1	Emissions reported for all permitted sources (minor or major)		The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.	In Texas, Atmos Energy operates compressor stations with air permits from the Texas Commission on Environmental Quality (TCEQ). There are 6 facilities that meet the reporting requirements and are found in our 2018 TCEQ Emissions Inventory report.
3.1.1	NOx (<i>metric tons per year</i>)	144		
3.1.2	VOC (<i>metric tons per year</i>)	72		

Atmos Energy AGA Voluntary Sustainability Metrics: Quantitative Information

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company. © American Gas Association. All rights reserved.

Parent Company: Atmos Energy Corporation
Operating Company(s): Atmos Energy Corporation
Business Type(s): Gas Distribution, Transmission, and Storage
State(s) of Operation: Colorado, Kansas, Kentucky, Louisiana, Mississippi, Tennessee, Texas, Virginia
Regulatory Environment: Regulated

Report Date: 4/22/2019

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Year	Definitions	Comments, Additional Information
		2018		

NATURAL GAS GATHERING & BOOSTING

1	METHANE EMISSIONS			
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions			
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (<i>miles</i>)	N/A		N/A
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (<i>scf</i>)	N/A	<i>This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.</i>	N/A
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities (<i>metric tons CO2e</i>)	N/A		N/A
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION			
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (<i>metric tons</i>)	N/A	<i>CO2 combustion emissions reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).</i>	N/A
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION			
3.1	Emissions reported for all permitted sources (minor or major)		The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.	
3.1.1	NOx (<i>metric tons per year</i>)	N/A		N/A
3.1.2	VOC (<i>metric tons per year</i>)	N/A		N/A