



# Gas Company ESG/Sustainability Quantitative Information

Parent Company: Dominion Energy Inc  
 Operating Company(s): DENC, DEO, DEQP, DESC, DEUWI, DEWexpro, DEWV  
 Business Type(s): Vertically Integrated  
 State(s) of Operation: CO, GA, ID, NC, OH, SC, UT, VA, WV, WY  
 Regulatory Environment: Regulated and Unregulated  
 Report Date:

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline 2010	Last Year 2020	Current Year 2021	Definitions
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## Natural Gas Distribution

Ref. No.	Metric	Baseline 2010	Last Year 2020	Current Year 2021	Definitions
<b>1</b>	<b>METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS</b>				<b><u>All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO<sub>2</sub> is excluded.</u></b>
1.1	Number of Gas Distribution Customers	3,084,167	3,420,887	3,481,151	
1.2	<i>Distribution Mains in Service</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.
1.2.1	Plastic (miles)		39,348	39,986	
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)		20,521	20,598	
1.2.3	Unprotected Steel - Bare & Coated (miles)		5,105	4,953	
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)		21	20	
1.3	<i>Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)</i>				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)		24	23	DEUT and DENC replaced all unprotected steel and cast iron over 10 years ago. DEO has an active pipeline replacement program which is reauthorized by the Public Utilities Commission of Ohio at regular intervals during which time adjustments to the program completion schedule may be proposed as deemed appropriate. DEWV has an active pipeline replacement program which was approved for acceleration in October 2019 as a 24 year program.
1.3.2	Cast Iron / Wrought Iron (# years to complete)		24	23	
<b>2</b>	<b><i>Distribution CO<sub>2</sub>e Fugitive Emissions</i></b>				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(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 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 the 2.2 (below).
2.1	CO <sub>2</sub> e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)		852,877	837,049	
2.2	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations (metric tons)		34,115	33,482	INPUT VALUE (total mt CH <sub>4</sub> ) as explained in definition above. Subpart W input is CH <sub>4</sub> (mt).
2.2.1	CH <sub>4</sub> Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)		1,777	1,744	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)		735,695,401	757,886,334	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 (MMscf/year)		698,911	719,992	
2.4	Fugitive Methane Emissions Rate (Percent MMScf of Methane Emissions per MMScf of Methane Throughput)		0.25%	0.24%	Calculated annual metric: (MMSFC methane emissions/MMSFC methane throughput)

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Last Year	Current Year	Definitions	
		2010	2020	2021		
<b>Natural Gas Transmission and Storage</b>						
<b>1 Onshore Natural Gas Transmission Compression Methane Emissions</b>						
1.1.1	Pneumatic Device Venting (metric tons/year)		84	12	<p><b>All methane leak sources per 98.232 (e) (1-8), (f)(1-8), and (m) are included for Transmission and Storage. Combustion sources are excluded. CO2 and N2O are excluded.</b></p> <p><u>Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8). CO2 and N2O emissions are excluded from this section.</u>  Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)  Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)  Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)  Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)  Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)  Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)  Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)  Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)</p> <p>Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36</p>	
1.1.2	Blowdown Vent Stacks (metric tons/year)		1,161	157		
1.1.3	Transmission Storage Tanks (metric tons/year)		158	173		
1.1.4	Flare Stack Emissions (metric tons/year)		0	0		
1.1.5	Centrifugal Compressor Venting (metric tons/year)		27	251		
1.1.6	Reciprocating Compressor Venting (metric tons/year)		740	24		
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)		204	20		
1.1.8	Other Leaks (metric tons/year)		0	0		
1.2	Total Transmission Compression Methane Emissions (metric tons/year)		2,373	636		
1.3	Total Transmission Compression Methane Emissions (CO <sub>2</sub> e/year)		59,333	15,902		
1.4	Total Transmission Compression Methane Emissions (MSCF/year)		123,610	33,130		
<b>2 Underground Natural Gas Storage Methane Emissions</b>						
2.1.1	Pneumatic Device Venting (metric tons/year)		129	67		<p><u>Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8). CO2 and N2O emissions are excluded from this section.</u>  Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)  Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)  Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)  Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)  Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)  Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)</p> <p>Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36</p>
2.1.2	Flare Stack Emissions (metric tons/year)		0	0		
2.1.3	Centrifugal Compressor Venting (metric tons/year)		13	62		
2.1.4	Reciprocating Compressor Venting (metric tons/year)		497	83		
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)		338	34		
2.1.6	Other Equipment Leaks (metric tons/year)		0	0		
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)		267	118		
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)		0	0		
2.2	Total Storage Compression Methane Emissions (metric tons/year)		1,243	363		
2.3	Total Storage Compression Methane Emissions (CO <sub>2</sub> e/year)		31,085	9,083		
2.4	Total Storage Compression Methane Emissions (MSCF/year)		64,761	18,923		
<b>3 Onshore Natural Gas Transmission Pipeline Blowdowns</b>						
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)		3,106	573	<p><u>Blowdown vent stacks for onshore transmission pipeline as defined in 40 CFR 98 Sub W Section 232 (m). CO2 and N2O emissions are excluded from this section.</u>  Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)</p>	
3.2	Transmission Pipeline Blowdown Vent Stacks (CO <sub>2</sub> e/year)		77,648	14,323		
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)		161,766	29,840		
<b>4 Other Non-Sub W Emissions Data (OPTIONAL)</b>						
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)		4,478	3,440	<p>(OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.</p> <p>In this section, we have provided all other emissions associated with the transmission and storage segments that are not previously listed above. This includes additional sites not reported under GHGRP, additional ONE Future sources, re-calculated emissions for equipment leaks using LDAR data, and other sources that are not captured under 40 CFR 98 Sub W.</p>	
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO <sub>2</sub> e/year)		111,948	86,012		
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)		233,226	179,193		
<b>5 Summary and Metrics</b>						
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)		583	261	<p><b>EIA 176 throughput or other reference for other throughput selected</b>  Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)</p>	
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)		3,359,660,253	2,411,749,485		
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)		3,191,677	2,291,162		
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)		0.018%	0.011%		

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Baseline	Last Year	Current Year	Definitions
		2010	2020	2021	
<b>Natural Gas Gathering and Boosting</b>					
1	<b>METHANE EMISSIONS</b>				
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> )		1,137	3,716	
1.1.2	Volume of Gathering Pipeline Blow Down Emissions ( <i>scf</i> )		388,179	0	This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities ( <i>metric tons CO<sub>2</sub>e</i> )		7,563	4,528	
2	<b>CO<sub>2</sub>e COMBUSTION EMISSIONS FOR GATHERING &amp; BOOSTING COMPRESSION</b>				
2.1	CO <sub>2</sub> e Emissions for Gathering & Boosting Compression Stations ( <i>metric tons</i> )		105,644	76,019	CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	<b>CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING &amp; BOOSTING COMPRESSION</b>				
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 CO <sub>2</sub> e data reported includes all of these sources.
3.1.1	NO <sub>x</sub> ( <i>metric tons per year</i> )		289	1,111	
3.1.2	VOC ( <i>metric tons per year</i> )		31	485	
<b>Human Resources</b>					
1.1	Total Number of Employees		17,394	17,387	Reference Section 7 Human Resources in EEI Definitions tab.
1.2	Percentage of Women in Total Workforce		22%	22%	
1.3	Percentage of Minorities in Total Workforce		20%	21%	
2.1	Total Number on Board of Directors/Trustees		12	12	
2.2	Percentage of Women on Board of Directors/Trustees		25%	25%	
2.3	Percentage of Minorities on Board of Directors/Trustees		17%	17%	
3	<b>Employee Safety Metrics</b>				
3.1	Recordable Incident Rate		0.41	0.46	
3.2	Lost-time Case Rate			0.13	
3.3	Days Away, Restricted, and Transfer (DART) Rate		0.27	0.28	
3.4	Work-related Fatalities		0	0	
<b>Additional Metrics (Optional)</b>					
1	<b>TOTAL CORPORATE METHANE AND CARBON EMISSIONS INVENTORY</b>				Consistent with GHG Protocols, the 2010 Methane baseline and 2021 figures represent the DE companies post divestment, acquisitions, and partial equity (Cardinal and Pine Needle). As such, for 2021 reporting, Questar Pipeline (formerly DEQP, divested 1 January 2022) assets and Dominion Energy West Virginia (DEWV) assets, in anticipation of a 2022 sale, are not included. In addition, in the interest of consistency and transparency, Cove Point, LLC's emissions are included in the company's Net Zero commitment at 50% equity share. CO <sub>2</sub> e as reported in 1.2 includes methane and carbon dioxide only, nitrous oxide is not included for being immaterial to corporate inventory.
1.1	Total Corporate Inventory Methane - Gas Business Post Divestiture and Cove Point, LLC (Metric Tons)	89,986		55,756	
1.1.1	Inventory Methane - Gas Business Post Divestiture (Metric Tons)	89,402		55,437	
1.1.2	Inventory Methane - Cove Point, LLC (Metric Tons)	584		319	
1.2	Total Corporate Inventory CO <sub>2</sub> e - Gas Business Post Divestiture and Cove Point, LLC (Metric Tons)	3,099,629		2,754,218	
1.2.1	Inventory CO <sub>2</sub> e - Gas Business Post Divestiture (Metric Tons)	2,992,872		2,182,750	
1.2.2	Inventory CO <sub>2</sub> e - Cove Point, LLC (Metric Tons)	106,757		571,468	