

Natural Gas (AGA Voluntary)

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.



Parent Company	Dominion Energy Inc
Operating Company(s)	DENC, DEO, DESC, DEUWI, DEWexpro
Business Type(s)	Vertically integrated
State(s) of Operation	CO, ID, NC, OH, SC, UT, WY
Regulatory Environment	<i>Regulated and Unregulated</i>
Report Date	

NATURAL GAS DISTRIBUTION

All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO2 is excluded.

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1	Methane Emissions and Mitigation from Distribution Mains				
1.1	Number of Gas Distribution Customers	3,084,167	3,481,151	3,426,459	
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 (<i>miles</i>)		39,986	39,453	
1.2.2	Cathodically Protected Steel - Bare & Coated (<i>miles</i>)		20,598	19,729	
1.2.3	Unprotected Steel - Bare & Coated (<i>miles</i>)		4,953	3,946	
1.2.4	Cast Iron / Wrought Iron - without upgrades (<i>miles</i>)		20	18	
1.3	<i>Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)</i>				<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> <p>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. Though the entirety of the program is not currently approved by the Public Utilities Commission of Ohio, DEO's current rate of replacement targets completion of unprotected steel and cast iron projects by 2040.</p>
1.3.1	Unprotected Steel (Bare & Coated) (<i># years to complete</i>)		23	18	Optional: # yrs by pipe type.
1.3.2	Cast Iron / Wrought Iron (<i># years to complete</i>)		23	18	Optional: # yrs by pipe type.

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
2	Distribution CO2e Fugitive Emissions				
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (<i>metric tons</i>)		837,049	755,914	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).
2.2	CH4 Fugitive Methane Emissions from Gas Distribution Operations (<i>metric tons</i>)		33,482	30,237	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 (<i>MMSCF/year</i>)		1,744	1,575	
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (<i>Mscf/year</i>)		757,886,334	771,276,668	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 (<i>MMscf/year</i>)		719,992	732,713	
2.4	Fugitive Methane Emissions Rate (<i>Percent MMscf of Methane Emissions per MMscf of Methane Throughput</i>)		0.24%	0.21%	Calculated annual metric: (MMSCF methane emissions/ MMSCF methane throughput)

NATURAL GAS TRANSMISSION AND STORAGE

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.

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1	Onshore Natural Gas Transmission Compression Methane Emissions 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.				
1.1.1	Pneumatic Device Venting (<i>metric tons/year</i>)		12	2	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
1.1.2	Blowdown Vent Stacks (<i>metric tons/year</i>)		157	9	Value reported using calculation in 40 CFR 98 Sub W Section 236(i)(1)(iii)
1.1.3	Transmission Storage Tanks (<i>metric tons/year</i>)		173	29	Value reported using calculation in 40 CFR 98 Sub W Section 236(k)(2)(v)
1.1.4	Flare Stack Emissions (<i>metric tons/year</i>)		0	0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
1.1.5	Centrifugal Compressor Venting (<i>metric tons/year</i>)		251	0	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1.1.6	Reciprocating Compressor Venting (metric tons/year)		24	73	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
1.1.7	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)		20	3	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.1.8	Other Leaks (metric tons/year)		0	0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
1.2	Total Transmission Compression Methane Emissions (metric tons/year)		636	116	
1.3	Total Transmission Compression Methane Emissions (CO ₂ e/year)		15,902	2,889	
1.4	Total Transmission Compression Methane Emissions (MSCF/year)		33,130	6,019	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36
2	Underground Natural Gas Storage Methane Emissions Fugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (f) (1-8), CO ₂ and N ₂ O emissions are excluded from this section.				
2.1.1	Pneumatic Device Venting (metric tons/year)		67	50	Value reported using calculation in 40 CFR 98 Sub W Section 236(b)(4)
2.1.2	Flare Stack Emissions (metric tons/year)		0	0	Value reported using calculation in 40 CFR 98 Sub W Section 236(n)(11)
2.1.3	Centrifugal Compressor Venting (metric tons/year)		62	42	Value reported using calculation in 40 CFR 98 Sub W Section 236(o)(2)(ii)(D)(2)
2.1.4	Reciprocating Compressor Venting (metric tons/year)		83	33	Value reported using calculation in 40 CFR 98 Sub W Section 236(p)(2)(ii)(D)(2)
2.1.5	Equipment leaks from valves, connectors, open ended lines, pressure relief valves, and meters (metric tons/year)		34	34	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.6	Other Equipment Leaks (metric tons/year)		0	0	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.7	Equipment leaks from valves, connectors, open-ended lines, and pressure relief valves associated with storage wellheads (metric tons/year)		118	70	Value reported using calculation in 40 CFR 98 Sub W Section 236(q)(2)(v)
2.1.8	Other equipment leaks from components associated with storage wellheads (metric tons/year)		0	0	Value reported using calculation in 40 CFR 98 Sub W Section 232(q)(2)(v)
2.2	Total Storage Compression Methane Emissions (metric tons/year)		363	229	
2.3	Total Storage Compression Methane Emissions (CO ₂ e/year)		9,083	5,724	
2.4	Total Storage Compression Methane Emissions (MSCF/year)		18,923	11,925	Density of Methane = 0.0192 kg/ft ³ per 40 CFR Sub W EQ. W-36

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
3	Onshore Natural Gas Transmission Pipeline Blowdowns 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.				
3.1	Transmission Pipeline Blowdown Vent Stacks (metric tons/year)		573	208	Value reported using calculation in 40 CFR 98 Sub W Section 232(i)(3)(ii)
3.2	Transmission Pipeline Blowdown Vent Stacks (CO2e/year)		14,323	5,192	
3.3	Transmission Pipeline Blowdown Vent Stacks (MSCF/year)		29,840	10,816	
4	Other Non-Sub W Emissions Data (OPTIONAL) (OPTIONAL) If desired, report additional sources required by ONE Future include dehydrator vents, storage station venting transmission pipeline leaks, and storage tank methane.				
4.1	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (metric tons/year)		3,440	1,428	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.
4.2	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (CO2e/year)		86,012	35,689	
4.3	Total Methane Emissions from additional sources not recognized by 40 CFR 98 Subpart W (MSCF/year)		179,193	74,352	
5	Summary and Metrics				
5.1	Total Transmission and Storage Methane Emissions (MMSCF/year)		261	103	
5.2	Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)		2,411,749,485	1,261,885,227	EIA 176 throughput or other reference for other throughput selected
5.2.1	Annual Methane Gas Throughput from Gas Transmission and Storage Operations (MMSCF/year)		2,291,162	1,198,791	Methane content in natural gas equals 95% based on 40 CFR 98 Sub W 233(u)(2)(vii)
5.3	Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)		0.01%	0.01%	

NATURAL GAS GATHERING AND BOOSTING

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1	Methane Emissions ugitive Methane emissions as defined in 40 CFR 98 Sub W Section 232 (e) (1-8), CO2 and N2O emissions are excluded from this section.				
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>)		3,716	1,641	
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (<i>scf</i>)				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 CO2e</i>)		4,528	7,170	
3.1.2	VOC (<i>metric tons per year</i>)		485	425	
2	CO2e Combustion Emissions for Gathering & Boosting Compression				
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (<i>metric tons</i>)		76,019	100,535	CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	Conventional Combustion Emissions from Gathering & Boosting Compression				
3.1	Emissions reported for all permitted sources (<i>minor or major</i>)				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>)		1,111	1,014	
3.1.2	VOC (<i>metric tons per year</i>)		485	425	

HUMAN RESOURCES

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1.1	Total Number of Employees		17,387	17,211	Reference Section 7 Human Resources in EEI Definitions tab.
1.2	Percentage of Women in Total Workforce		22%	23%	
1.3	Percentage of Minorities in Total Workforce		21%	22%	
2.1	Total Number on Board of Directors/ Trustees		12	11	
2.2	Percentage of Women on Board of Directors/Trustees		25%	27%	
2.3	Percentage of Minorities on Board of Directors/Trustees		17%	18%	
3	Employee Safety Metrics				
3.1	Recordable Incident Rate		0.46	0.52	
3.2	Lost-time Case Rate		0.13	0.20	
3.3	Days Away, Restricted, and Transfer (DART) Rate		0.28	0.35	
3.4	Work-related Fatalities		0	0	

ADDITIONAL METRICS

Ref. No	Metric	Baseline Year 2010	Last Year 2021	Current Year 2022	Definitions
1	Total Corporate Methane and Carbon Emissions Inventory				Consistent with GHG Protocols, the 2010 Methane baseline and 2022 figures represent the DE companies post divestment, acquisitions, and partial equity (Cardinal and Pine Needle). As such, Dominion Energy Questar Pipeline (DEQP), divested in December 2021, and Dominion Energy West Virginia (DEWV), divested in August 2022, are not included. Additionally, recent DEWexpro acquisitions of production wells and a G&B compressor station are included for the full reporting year of RY2022. 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 for RY2022. CO2e 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 (<i>Metric Tons</i>)	89,990	55,756	55,869	
1.1.1	Inventory Methane - Gas Business Post Divestiture (<i>Metric Tons</i>)	89,406	55,437	55,640	
1.1.2	Inventory Methane - Cove Point, LLC (<i>Metric Tons</i>)	584	319	229	
1.2	Total Corporate Inventory CO2e - Gas Business Post Divestiture and Cove Point, LLC (<i>Metric Tons</i>)	2,704,311	2,754,218	2,412,867	
1.2.1	Inventory CO2e - Gas Business Post Divestiture (<i>Metric Tons</i>)	2,597,554	2,182,750	1,828,460	
1.2.2	Inventory CO2e - Cove Point, LLC (<i>Metric Tons</i>)	106,757	571,468	584,407	