

Gas Company ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company

Operating Company(s): BHE GT&S, LLC, Northern Natural Gas Company, Kern River Gas Transmission Company, MidAmerican Energy Company and Sierra Pacific Power Company

Report Date: As of and for the year ended December 31, 2024

Disclaimer: Data included herein is based on information available as of May 1, 2025, and is subject to change without notice should new or additional information be obtained.

	Last Year	Current Year		
Refer to the "Definitions" column for more information on each metric.	2023	2024	% Change	Definitions
Natural Gas Distribution				
All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO2 is excluded.				
METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS				
Number of Gas Distribution Customers	978,735	988,409	1.0 %	
Distribution Mains in Service	15,578	15,714	0.9 %	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.
Plastic (miles)	9,895	10,005	1.1 %	
Cathodically Protected Steel - Bare & Coated (miles)	5,542	5,569	0.5 %	
Unprotected Steel - Bare & Coated (miles)	141	140	(0.4)%	
Cast Iron / Wrought Iron - without upgrades (miles)	—	—	—	
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.
Unprotected Steel (Bare & Coated) (# years to complete) ⁽¹⁾	—	—	—	Optional: # yrs by pipe type.
Cast Iron / Wrought Iron (# years to complete)	—	—	—	Optional: # yrs by pipe type.
Distribution CO2e Fugitive Emissions				
CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	103,421	115,315	11.5 %	Fugitive methane emissions (not CO2 combustion emissions) stated as CO2e, 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 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) INPUT VALUE (total mt CH4) as explained in definition above. Subpart W input is CH4 (mt).
CH4 Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	4,137	4,118	(0.4)%	
CH4 Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	215	214	(0.4)%	
Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	196,670,751	190,586,961	(3.1)%	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).
Annual Methane Gas Throughput from Gas Distribution Operations in millions of standard cubic feet (MMscf/year)	186,837	181,058	(3.1)%	
Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.1153%	0.1185%	2.7 %	Calculated annual metric: (MMSCF methane emissions/MMSCF methane throughput)
Liquefied Natural Gas Import/Export				
Below current year natural gas LNG Import/Export methane emissions metrics include methane from combustion and have been calculated using GHGRP Part 98 methodologies unless otherwise indicated.				
LNG Import/Export Methane Emissions				
Total LNG Import/Export Methane Emissions (metric tons/year)	140	210	50.3 %	
Total LNG Import/Export Methane Emissions (CO2e/year)	3,488	5,870	68.3 %	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively
Total LNG Import/Export Methane Emissions (MSCF/year)	7,267	10,919	50.3 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Summary and Metics				
Total LNG Import/Export Methane Emissions (MMSCF/year)	7	11	50.3 %	
Annual Natural Gas Throughput for LNG Import/Export Operations (MSCF/year)	279,304,076	286,959,532	2.7 %	
Annual Methane Throughput for LNG Import/Export Operations (MMSCF/year)	265,339	272,612	2.7 %	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0027%	0.0040 %	46.3 %	

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Natural Gas Transmission and Storage

				<u><i>Below current year natural gas transmission and storage methane emissions metrics include methane from combustion and have been calculated using the Natural Gas Sustainability Initiative (NGSI) Methane Emissions Intensity Protocol v 2.0 unless otherwise indicated.</i></u>
Onshore Natural Gas Transmission Compression Methane Emissions				
Total Natural Gas Transmission Compression Methane Emissions (metric tons/year)	10,599	9,217	(13.0)%	
Total Natural Gas Transmission Compression Methane Emissions (CO2e/year)	264,980	258,085	(2.6)%	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively
Total Natural Gas Transmission Compression Methane Emissions (MSCF/year)	552,042	480,069	(13.0)%	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Natural Gas Storage Methane Emissions				
Total Natural Gas Storage Methane Emissions (metric tons/year)	4,977	5,002	0.5 %	
Total Natural Gas Storage Methane Emissions (CO2e/year)	124,425	140,049	12.6 %	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively
Total Natural Gas Storage Methane Emissions (MSCF/year)	259,219	260,509	0.5 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Onshore Natural Gas Transmission Pipeline Methane Emissions				
Total Natural Gas Transmission Pipeline Methane Emissions (metric tons/year)	3,535	4,098	15.9 %	
Total Natural Gas Transmission Pipeline Methane Emissions (CO2e/year)	88,379	114,748	29.8 %	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively
Total Natural Gas Transmission Pipeline Methane Emissions (MSCF/year)	184,122	213,445	15.9 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Summary and Metrics				
Total Transmission and Storage Methane Emissions (MMSCF/year)	995	954	(4.2)%	
Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)	4,610,786,268	4,555,880,291	(1.2)%	U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) in Form F 7100.2-1 Part C of the Annual Report for Natural Gas and Other Gas Transmission and Gathering Pipeline Systems
Annual Methane Throughput from Gas Transmission and Storage Operations (MMSCF/year)	4,303,435	4,267,982	(0.8)%	Refer to BHE GT&S, Northern Natural Gas Company and Kern River Gas Company's Gas Company ESG/Sustainability Quantitative Information for the specific CH4 content factor used by each company.
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0231 %	0.0224 %	(3.4)%	

Natural Gas Processing

				<u><i>Below current year natural gas processing methane emissions metrics include methane from combustion and have been calculated using the Natural Gas Sustainability Initiative (NGSI) Methane Emissions Intensity Protocol v 2.0 unless otherwise indicated.</i></u>
Processing Methane Emissions				
Total Natural Gas Processing Methane Emissions (metric tons/year)	119	121	2.2 %	
Total Natural Gas Processing Methane Emissions (CO2e/year)	2,966	3,394	14.5 %	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively
Total Natural Gas Processing Methane Emissions (MSCF/year)	6,178	6,314	2.2 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Summary and Metrics				
Total Gas Processing Methane Emissions (MMSCF/year)	6	6	2.2 %	
Annual Natural Gas Throughput from Gas Processing Operations (MSCF/year)	57,057,017	56,499,798	(1.0)%	
Annual Methane Throughput from Gas Processing Operations (MMSCF/year)	48,556	47,856	(1.4)%	
Annual Natural Gas Liquids Processed from Natural Gas Processing Operations (bbl)	1,999,574	2,142,532	7.1 %	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0121%	0.0129%	6.4 %	

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	2023	2024		
Natural Gas Gathering and Boosting				
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Gathering and Boosting Methane Emissions				
Total Natural Gas Gathering and Boosting Methane Emissions (metric tons/year)	376	307	(18.4)%	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Total Natural Gas Gathering and Boosting Methane Emissions (CO2e/year)	9,408	8,599	(8.6)%	
Total Natural Gas Gathering and Boosting Methane Emissions (MSCF/year)	19,599	15,994	(18.4)%	
Summary and Metrics				
Total Natural Gas Gathering and Boosting Methane Emissions (MMSCF/year)	20	16	(18.4)%	
Annual Natural Gas Transported by Natural Gas Gathering and Boosting Operations (MSCF/year)	9,519,501	14,844,049	55.9 %	
Annual Methane Throughput from Natural Gas Gathering and Boosting Operations (MMSCF/year)	7,825	12,568	60.6 %	
Annual Hydrocarbon Liquids Transported by Natural Gas Gathering and Boosting Operations (bbl)	1,864,892	1,898,234	1.8 %	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.1305%	0.0795%	(39.1)%	
Natural Gas Production				
<i><u>Below current year natural gas production methane emissions metrics include methane from combustion and have been calculated using the Natural Gas Sustainability Initiative (NGSI) Methane Emissions Intensity Protocol v 2.0 unless otherwise indicated.</u></i>				
Production Methane Emissions				
Total Natural Gas Production Methane Emissions (metric tons/year)	537	530	(1.3)%	Global Warming Potential (GWP) = 25 and 28 per 40 CFR Table A-1 To Subpart A Of Part 98 for 2023 and 2024, respectively Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Total Natural Gas Production Methane Emissions (CO2e/year)	13,423	14,842	10.6 %	
Total Natural Gas Production Methane Emissions (MSCF/year)	27,965	27,608	(1.3)%	
Summary and Metrics				
Total Natural Gas Production Methane Emissions (MMSCF/year)	28	28	(1.3)%	
Annual Natural Gas Throughput from Gas Production Operations (MSCF/year)	2,240,294	2,106,658	(6.0)%	
Annual Methane Throughput from Gas Production Operations (MMSCF/year)	1,839	1,730	(6.0)%	
Annual Produced Oil and Condensate Throughput from Natural Gas Production Operations (bbl)	9,807	9,643	(1.7)%	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	1.4898%	1.5627%	4.9 %	
Comments				
[1] Replacement is targeted under the MidAmerican Energy Company distribution integrity management plan which is a priority-based program focusing on relative risk				