

Gas Company ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company
Operating Company(s): BHE GT&S, LLC
Report Date: As of and for the year ended December 31, 2022
Disclaimer: Data included herein is based on information available as of April 25, 2023, 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.	2021	2022	% Change	Definitions
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)	194	186	(4.0)%	
Total LNG Import/Export Methane Emissions (CO2e/year)	4,838	4,646	(4.0)%	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total LNG Import/Export Methane Emissions (MSCF/year)	10,079	9,679	(4.0)%	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)	10	10	(4.0)%	
Annual Natural Gas Throughput for LNG Import/Export Operations (MSCF/year)	258,893,448	270,326,271	4.4 %	
Annual Methane Throughput for LNG Import/Export Operations (MMSCF/year)	245,949	256,810	4.4 %	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0041%	0.0038 %	(8.0)%	
Natural Gas Transmission and Storage ⁽¹⁾				
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 1.0 unless otherwise indicated.				
Onshore Natural Gas Transmission Compression Methane Emissions				
Total Natural Gas Transmission Compression Methane Emissions (metric tons/year)	5,310	5,706	7.5 %	
Total Natural Gas Transmission Compression Methane Emissions (CO2e/year)	132,754	142,645	7.5 %	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Transmission Compression Methane Emissions (MSCF/year)	276,572	297,177	7.5 %	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)	4,060	3,517	(13.4)%	
Total Natural Gas Storage Methane Emissions (CO2e/year)	101,505	87,914	(13.4)%	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Storage Methane Emissions (MSCF/year)	211,469	183,154	(13.4)%	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)	4,411	2,874	(34.8)%	
Total Natural Gas Transmission Pipeline Methane Emissions (CO2e/year)	110,286	71,855	(34.8)%	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Transmission Pipeline Methane Emissions (MSCF/year)	229,763	149,698	(34.8)%	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)	718	630	(12.2)%	
Annual Natural Gas Throughput from Gas Transmission and Storage Operations (MSCF/year)	2,340,018,859	2,394,649,661	2.3 %	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)	2,223,018	2,274,917	2.3 %	Calculated using 95% CH4 content in natural gas.
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0323 %	0.0277 %	(14.2)%	

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Natural Gas Processing

				<u>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 1.0 unless otherwise indicated.</u>
Processing Methane Emissions				
Total Natural Gas Processing Methane Emissions (metric tons/year)	115	118	2.2 %	
Total Natural Gas Processing Methane Emissions (CO2e/year)	2,880	2,943	2.2 %	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Processing Methane Emissions (MSCF/year)	5,999	6,131	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)	48,853,445	48,025,487	(1.7)%	
Annual Methane Throughput from Gas Processing Operations (MMSCF/year)	39,038	39,381	0.9 %	
Annual Natural Gas Liquids Processed from Natural Gas Processing Operations (bbl)	2,625,484	2,166,489	(17.5)%	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0143%	0.0146%	2.1 %	

Natural Gas Gathering and Boosting

				<u>Below current year natural gas gathering and boosting methane emissions metrics include methane from combustion and have been calculated using the Natural Gas Sustainability Initiative (NGSI) Methane Emissions Intensity Protocol v 1.0 unless otherwise indicated.</u>
Gathering and Boosting Methane Emissions				
Total Natural Gas Gathering and Boosting Methane Emissions (metric tons/year)	339	356	4.8 %	
Total Natural Gas Gathering and Boosting Methane Emissions (CO2e/year)	8,484	8,893	4.8 %	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Gathering and Boosting Methane Emissions (MSCF/year)	17,675	18,526	4.8 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Summary and Metrics				
Total Natural Gas Gathering and Boosting Methane Emissions (MMSCF/year)	18	19	4.8 %	
Annual Natural Gas Transported by Natural Gas Gathering and Boosting Operations (MSCF/year)	10,021,907	10,771,548	7.5 %	
Annual Methane Throughput from Natural Gas Gathering and Boosting Operations (MMSCF/year)	8,201	8,800	7.3 %	
Annual Hydrocarbon Liquids Transported by Natural Gas Gathering and Boosting Operations (bbl)	2,666,023	2,143,661	(19.6)%	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.0136%	0.1091%	704.8 %	

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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 1.0 unless otherwise indicated.</u></i>				
Production Methane Emissions				
Total Natural Gas Production Methane Emissions (metric tons/year)	517	524	1.3 %	
Total Natural Gas Production Methane Emissions (CO2e/year)	12,927	13,094	1.3 %	Global Warming Potential (GWP) = 25 per 40 CFR Table A-1 To Subpart A Of Part 98
Total Natural Gas Production Methane Emissions (MSCF/year)	26,931	27,278	1.3 %	Density of Methane = 0.0192 kg/ft3 per 40 CFR Sub W EQ. W-36
Summary and Metrics				
Total Natural Gas Production Methane Emissions (MMSCF/year)	27	27	1.3 %	
Annual Natural Gas Throughput from Gas Production Operations (MSCF/year)	963,435	887,764	(7.9)%	
Annual Methane Throughput from Gas Production Operations (MMSCF/year)	791	729	(7.9)%	
Annual Produced Oil and Condensate Throughput from Natural Gas Production Operations (bbl)	11,835	9,598	(18.9)%	
Methane Emissions Intensity Metric (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	3.2191%	3.6691%	14.0 %	
Comments				
(1) 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 1.0 unless otherwise indicated				