



Gas Company ESG/Sustainability Quantitative Information

Parent Company:

Operating Company(s):

Black Hills Corporation
 Black Hills Energy Arkansas, Inc. d/b/a Black Hills Energy,
 Black Hills Colorado Gas, Inc. d/b/a Black Hills Energy,
 Black Hills lowa Gas Utility Company, LLC d/b/a Black Hills Energy,
 Black Hills kansas Gas Utility Company, LLC d/b/a Black Hills Energy,
 Black Hills Nebraska Gas, LLC d/b/a Black Hills Energy,
 Black Hills Wyoming Gas, LLC d/b/a Black Hills Energy
 Black Hills Energy Services Company, d/b/a Black Hills Energy

Business Type(s):

State(s) of Operation:

Regulatory Environment:

Report Date:

Vertically Integrated
 Arkansas, Colorado, Iowa, Kansas, Nebraska, Wyoming
 Regulated
 24-Jun-2024

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Last Year 2022	Current Year 2023	Definitions	Additional Comments
Natural Gas Distribution					
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS			<u>All methane leak sources per 98.232 (i) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.</u>	
1.1	Number of Gas Distribution Customers	1,107,115	1,116,393		
1.2	Distribution Mains in Service	30,537	30,917	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)	17,952	18,607		
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	12,081	11,945		
1.2.3	Unprotected Steel - Bare & Coated (miles)	503	366		Unknown pipeline material is categorized as unprotected steel.
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	0	0		
1.3	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.	
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	13	12	Optional: # yrs by pipe type.	Black Hills Corporation has set a goal to replace all unprotected steel pipe by 2035.
1.3.2	Cast Iron / Wrought Iron (# years to complete)	n/a	n/a	Optional: # yrs by pipe type.	Black Hills Corporation completed all replacement of cast iron pipe in 2014.
2	Distribution CO ₂ e Fugitive Emissions			<u>Fugitive methane</u> emissions (not CO ₂ combustion emissions) stated as CO ₂ 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) <u>i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO₂e here.</u> 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. <u>Calculated value based on mt CH₄ input in the 2.2 (below).</u>	Emissions include LDCs that report under Subpart W, and estimated emissions using Subpart W methodologies for remaining facilities. Black Hills Corporation also reports distribution emissions through the Natural Gas Sustainability Initiative (NGSI).
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	329,350	239,825		
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	13,174	9,593	INPUT VALUE (total mt CH ₄) as explained in definition above. Subpart W input is CH ₄ (mt).	Reported reductions from 2022 to 2023 are primarily the result of data integrity improvements, as well as remission reductions from unprotected steel pipeline replacements and transfer station leak surveys.
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)	686	500		
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)	236,662,401	232,636,648	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)	224,829	221,005		
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)	0.31%	0.23%	Calculated annual metric: (MMSFC methane emissions/MMSCF methane throughput)	
Natural Gas Transmission and Storage					
				<u>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.</u>	Black Hills Corporation transmission operations fall below the reporting threshold for this segment.
Natural Gas Gathering and Boosting					
					Please reference the Black Hills Energy Natural Gas Sustainability Initiative (NGSI) metrics for natural gas gathering & boosting emission calculations.
Human Resources					
1.1	Total Number of Employees	2,982	2,874		
1.2	Percentage of Women in Total Workforce	25%	24%		
1.3	Percentage of Minorities in Total Workforce	14%	15%		
2.1	Total Number on Board of Directors/Trustees	10	10		
2.2	Percentage of Women on Board of Directors/Trustees	30%	30%		
2.3	Percentage of Minorities on Board of Directors/Trustees	10%	10%	Reference Section 7 Human Resources in EEI Definitions tab.	
3	Employee Safety Metrics				
3.1	Recordable Incident Rate	1.39	1.51		
3.2	Lost-time Case Rate	0.46	0.38		
3.3	Days Away, Restricted, and Transfer (DART) Rate	0.82	0.65		
3.4	Work-related Fatalities	0	0		
Additional Metrics (Optional)					
	All information and data in the EEI and AGA ESG qualitative and quantitative reports are provided on a voluntary basis and could be subject to change. These reports contain forward-looking information as defined by the Securities and Exchange Commission. Whether actual results and developments will conform to our expectations and predictions is subject to a number of risks and uncertainties that, among other things, could cause actual results to differ materially from those contained in the forward-looking statements, including without limitation, the risk factors described in our 2021 Annual Report on Form 10-K. We assume no obligation to update publicly any such forward-looking statements, whether as a result of new information, future events or otherwise.				