



Gas Company ESG/Sustainability Quantitative Information

Parent Company: Black Hills Corporation
Operating Company(s): Black Hills Energy Arkansas, Inc. d/b/a Black Hills Energy, Black Hills Colorado Gas, Inc. d/b/a Black Hills Energy, Black Hills/Iowa 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
Business Type(s): *Vertically Integrated*
State(s) of Operation: Arkansas, Colorado, Iowa, Kansas, Nebraska, Wyoming
Regulatory Environment: *Regulated*
Report Date: 19-Aug-21
Report Version: Version 1

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Last Year 2019	Current Year 2020	Definitions	Published Comments, Links, Additional Information, and Notes
Natural Gas Distribution					
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS			<i>All methane leak sources per 98.232 (l) (1-6) are included for Distribution. Combustion sources are excluded. CO₂ is excluded.</i>	
1.1	Number of Gas Distribution Customers	1,066,442	1,082,937		
1.2	Distribution Mains in Service			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)	16,834	17,155		
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	12,742	12,102		
1.2.3	Unprotected Steel - Bare & Coated (miles)	427	523		We replaced 50 miles of unprotected steel pipe in 2020. The increase in unprotected steel pipe from 2019 to 2020 is a result of updates reflected in the DOT PHMSA Annual Report. This total includes 46 miles and 48 miles of unknown pipeline in 2019 and 2020, respectively.
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)	by 2035	by 2035	Optional: # yrs by pipe type.	
1.3.2	Cast Iron / Wrought Iron (# years to complete)	n/a	n/a	Optional: # yrs by pipe type.	
2	Distribution CO ₂ e Fugitive Emissions			Fugitive methane 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) - i.e., this is Subpart W methane emissions as input in row 2.2 below and converted to CO ₂ 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 ₄ input in the 2.2 (below).	Please reference the Black Hills Energy Natural Gas Sustainability Initiative (NGSI) metrics for natural gas distribution emission calculations.
2.1	CO ₂ e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)				
2.2	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (metric tons)			INPUT VALUE (total mt CH ₄) as explained in definition above. Subpart W input is CH ₄ (mt).	
2.2.1	CH ₄ Fugitive Methane Emissions from Gas Distribution Operations (MMSCF/year)				
2.3	Annual Natural Gas Throughput from Gas Distribution Operations in thousands of standard cubic feet (Mscf/year)			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)				
2.4	Fugitive Methane Emissions Rate (Percent MMscf of Methane Emissions per MMscf of Methane Throughput)			Calculated annual metric: (MMSCF methane emissions/MMSCF methane throughput)	

Natural Gas Transmission and Storage

Black Hills Corporation transmission companies are below the reporting threshold for this segment.

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.

Natural Gas Gathering and Boosting

1	METHANE EMISSIONS				Please reference the Black Hills Energy Natural Gas Sustainability Initiative (NGSI) metrics for natural gas gathering & boosting emission calculations.
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions				
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)				
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)				
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities (metric tons CO ₂ e)				This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
2	CO ₂ e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION				
2.1	CO ₂ e Emissions for Gathering & Boosting Compression Stations (metric tons)				CO ₂ 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 (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 ₂ e data reported includes all of these sources.
3.1.1	NO _x (metric tons per year)				
3.1.2	VOC (metric tons per year)				

Human Resources

1.1	Total Number of Employees	2,944	3,011		
1.2	Percentage of Women in Total Workforce	26%	26%		
1.3	Percentage of Minorities in Total Workforce	11%	11%		
2.1	Total Number on Board of Directors/Trustees	10	12		
2.2	Percentage of Women on Board of Directors/Trustees	25%	25%		
2.3	Percentage of Minorities on Board of Directors/Trustees	8%	8%		Reference Section 7 Human Resources in EEI Definitions tab.
3	Employee Safety Metrics				
3.1	Recordable Incident Rate	1.25	1		
3.2	Lost-time Case Rate	0.45	0.66		
3.3	Days Away, Restricted, and Transfer (DART) Rate	0.68	0.74		
3.4	Work-related Fatalities	0	1		

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 2019 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.