



# Electric Company ESG/Sustainability Quantitative Information

**Parent Company:** Black Hills Corporation  
**Operating Company(s):** Black Hills Colorado Electric, LLC (d/b/a Black Hills Energy), Black Hills Power, Inc. (d/b/a Black Hills Energy), Cheyenne Light, Fuel and Power Company (d/b/a Black Hills Energy), Black Hills Colorado IPP, LLC, Black Hills Colorado Wind, LLC, Black Hills Electric Generation, LLC, Black Hills Wyoming, LLC  
**Business Type(s):** Vertically Integrated  
**State(s) of Operation:** Colorado, South Dakota, Wyoming  
**State(s) with RPS Programs:** Colorado  
**Regulatory Environment:** Regulated and Non-Regulated  
**Report Date:** 24-Jun-2024

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2022	Current Year 2023	Comments, Links, Additional Information, and Notes
<b>Portfolio</b>					
<b>1</b>	<b>Owned Nameplate Generation Capacity at end of year (MW)</b>				
1.1	Coal	363	395	395	Through the implementation of a emission inventory software and subsequent data improvements, the following updates were made to generation and greenhouse gas emissions from the 2022 disclosure: addition of the Ontario Cogeneration gas facility in 2005, utilizing historic EIA-923 monthly heat input and generation data rather than annual averages, modified accounting on negative generation and purchased power, and the addition of the City of Spearfish hydro PPA, and categorizing fuel specific power purchase agreements under Section 2.
1.2	Natural Gas	121	660	660	
	Natural Gas / Oil	100	100	100	
1.3	Nuclear	0	0	0	
1.4	Petroleum	40	38	38	
1.5	Total Renewable Energy Resources	0	289	202	
1.5.1	Biomass/Biogas	0	0	0	
1.5.2	Geothermal	0	0	0	
1.5.3	Hydroelectric	0	0	0	
1.5.4	Solar	0	0	0	
1.5.5	Wind	0	289	202	
1.6	Other	0	0	0	
<b>Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options</b>					
<b>2</b>	<b>Net Generation for the data year (MWh)</b>				
2.1	Coal	2,563,767	2,827,578	2,699,155	Net generation and emissions adjusted by % equity of jointly owned sources. Includes 49.9% third party ownership of Black Hills Colorado IPP reported as noncontrolling interest.
2.2	Natural Gas	83,649	1,452,289	2,018,974	
2.3	Nuclear	0	0	0	
2.4	Petroleum	4,731	-335	-1,208	
2.5	Total Renewable Energy Resources	0	1,323,746	1,080,709	
2.5.1	Biomass/Biogas	0	0	0	
2.5.2	Geothermal	0	0	0	
2.5.3	Hydroelectric	17,205	20,067	21,448	
2.5.4	Solar	0	0	86,284	
2.5.5	Wind	0	1,303,679	972,977	
2.6	Other	3,810,002	1,765,702	1,507,517	"Other" includes market purchased power and non fuel specific power purchase agreements. Purchased power data excludes intercompany purchases between Black Hills Corporation's regulated and nonregulated operating companies, to avoid double counting MWh and emissions.
<b>Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the alternative generation reporting options</b>					
<b>3</b>	<b>Capital Expenditures and Energy Efficiency (EE)</b>				
3.1	Total Annual Capital Expenditures (nominal dollars)	Not available	\$ 598M	\$ 590M	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	Not available	16,776	19,841	
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	Not available	\$ 6,699,744	\$ 7,569,557	
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	Commercial	25,745	31,428	31,480	
4.2	Industrial	142	82	84	
4.3	Residential	165,483	188,921	190,776	
<b>Emissions</b>					
<b>5</b>	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>				
<i>Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.</i>					
<b>5.1</b>	<b>Owned Generation (1) (2) (3)</b>				
5.1.1	Carbon Dioxide (CO2)				
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	3,264,707	3,876,841	4,071,461	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	1.23	0.78	0.78	
5.1.2	Carbon Dioxide Equivalent (CO2e)				
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	3,290,634	3,902,562	4,096,890	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	1.24	0.79	0.78	
<b>5.2</b>	<b>Purchased Power (4)</b>				
5.2.1	Carbon Dioxide (CO2)				
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	3,137,519	1,073,115	903,728	
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.82	0.45	0.44	
5.2.2	Carbon Dioxide Equivalent (CO2e)				
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	3,153,475	1,080,457	909,809	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.82	0.45	0.44	
<b>5.3</b>	<b>Owned Generation + Purchased Power</b>				
5.3.1	Carbon Dioxide (CO2)				
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	6,402,226	4,949,956	4,975,189	
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.99	0.67	0.68	
5.3.2	Carbon Dioxide Equivalent (CO2e)				
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	6,444,110	4,983,020	5,006,699	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.99	0.68	0.69	Customers calculating Scope 2 emissions should use the residual intensity published in EEI's "Electric Company Carbon Emissions and Electricity Mix Reporting Database".
<b>5.4</b>	<b>Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6) (5)</b>				
5.4.1	Total CO2e emissions of SF6 (MT)	Not applicable	3,541	3,398	
5.4.2	Leak rate of CO2e emissions of SF6 (MT/Net MWh)	Not applicable	0.000714	0.000649	SF6 emissions estimated for operating companies that do not trip the EPA reporting threshold.
<b>6</b>	<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>				
6.1	Generation basis for calculation (6)	Total			
<b>6.2</b>	<b>Nitrogen Oxide (NOx)</b>				
6.2.1	Total NOx Emissions (MT)	5,045	1,869	1,880	
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.001902	0.000377	0.000359	
<b>6.3</b>	<b>Sulfur Dioxide (SO2)</b>				
6.3.1	Total SO2 Emissions (MT)	8,017	1,253	1,147	
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)	0.003022	0.000253	0.000219	
<b>6.4</b>	<b>Mercury (Hg)</b>				
6.4.1	Total Hg Emissions (kg)	90.44	17.0	8.1	
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.000034	0.000003	0.000002	Current (2022 and 2023) Hg emissions include only units that use performance-based measurement and are applicable to the EPA Mercury and Air Toxics Standard (MATS).
<b>Use the data organizer on the left (i.e., the plus/minus symbol) to open/close the Emissions section notes</b>					
<b>Resources</b>					
<b>7</b>	<b>Human Resources</b>				
7.1	Total Number of Employees	843	2,982	2,874	
7.2	Percentage of Women in Total Workforce	27%	25%	24%	
7.3	Percentage of Minorities in Total Workforce	9%	14%	15%	
7.4	Total Number on Board of Directors/Trustees	10	10	10	
7.5	Percentage of Women on Board of Directors/Trustees	10%	30%	30%	
7.6	Percentage of Minorities on Board of Directors/Trustees	10%	10%	10%	
7.7	Employee Safety Metrics				
7.7.1	Recordable Incident Rate	3.99	1.39	1.51	
7.7.2	Lost-time Case Rate	0.39	0.46	0.38	
7.7.3	Days Away, Restricted, and Transfer (DART) Rate	1.93	0.82	0.65	
7.7.4	Work-related Fatalities	-	0	0	
<b>8</b>	<b>Fresh Water Resources used in Thermal Power Generation Activities</b>				
8.1	Water Withdrawals - Consumptive (Millions of Gallons)	Not available	664.45	758.92	Water withdrawal based on facilities we operate.
8.2	Water Withdrawals - Non-Consumptive (Millions of Gallons)	Not available	0.00	0.00	
8.3	Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	Not available	1.28E-04	1.40E-04	Intensity based on generation from fossil fuel and renewable facilities we operate.
8.4	Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	Not available	0.00	0.00	
<b>9</b>	<b>Waste Products</b>				
9.1	Amount of Hazardous Waste Manifested for Disposal	Not available	12.5	58.2	All Facilities are classified by the EPA as Very Small Quantity Generators (VSQGs) - due to low quantities of HW generation, however this value has been quantified and reported. This total does not include universal waste, please see our Sustainability Report for complete waste listing.
9.2	Percent of Coal Combustion Products Beneficially Used	Not available	0%	0%	
<b>Additional Metrics (Optional)</b>					
<p>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.</p>					