



# Electric Company ESG/Sustainability Quantitative Information

**Parent Company:**  
**Operating Company(s):**

Black Hills Corporation  
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,  
North Iowa Windpower LLC  
Vertically Integrated  
Colorado, South Dakota, Wyoming  
Colorado  
Regulated and Non-Regulated  
30-Jun-2023

**Business Type(s):**  
**State(s) of Operation:**  
**State(s) with RPS Programs:**  
**Regulatory Environment:**  
**Report Date:**

Ref. No.	Refer to the 'EEI Definitions' tab for more information on each metric	Baseline 2005	Last Year 2021	Current Year 2022	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	2005 coal capacity corrected from previous EEI disclosure to align with 10K reporting.
1.2	Natural Gas	109	660	660	
	Natural Gas / Oil	100	100	100	Reported capacity values align with our 10K. Dual fuel sources have been separated out to reflect operational capacity.
1.3	Nuclear	0	0	0	
1.4	Petroleum	40	38	38	
1.5	Total Renewable Energy Resources	0	289	289	
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	289	
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	2,563,770	2,439,266	2,633,550	
2.2	Natural Gas	42,469	1,726,051	1,453,145	Net Generation and emissions adjusted for % equity of jointly owned sources. Includes 49.9% third party ownership of Black Hills Colorado IPP reported as non-controlling interest.
2.3	Nuclear	0	0	0	
2.4	Petroleum	4,551	1,087	0	
2.5	Total Renewable Energy Resources	0	843,722	875,664	
2.5.1	Biomass/Biogas	0	0	0	
2.5.2	Geothermal	0	0	0	
2.5.3	Hydroelectric	0	0	0	
2.5.4	Solar	0	0	0	
2.5.5	Wind	0	843,722	875,664	
2.6	Other	3,827,200	2,797,907	2,407,804	"Other" includes market purchased power and PPAs. Purchased power data excludes intercompany purchases between Black Hills Corporation's regulated and nonregulated utilities, 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	\$ 680M	\$ 598M	
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	Not available	16,640	16,776	
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	Not available	\$ 6,424,996	\$ 6,731,578	
<b>4</b>	<b>Retail Electric Customer Count (at end of year)</b>				
4.1	Commercial	25,745	31,336	31,428	
4.2	Industrial	142	81	82	
4.3	Residential	165,483	186,852	188,921	
<b>Emissions</b>					
<b>5</b>	<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>				
	<b>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.</b>				
<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)	3,242,959	3,760,434	3,876,567	
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	1.24	0.75	0.78	
5.1.2	Carbon Dioxide Equivalent (CO2e)				
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	3,268,807	3,777,795	3,902,289	
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	1.25	0.75	0.79	
<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)	3,105,206	1,251,608	1,068,248	Regional purchased power emission factors published by the EPA increased from 2021 to 2022 across all regions reported by Black Hills Corporation.
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.81	0.45	0.44	
5.2.2	Carbon Dioxide Equivalent (CO2e)				
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	3,120,701	1,259,801	1,075,541	
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.82	0.45	0.45	
<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)	6,348,165	5,012,042	4,944,816	
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.99	0.64	0.67	
5.3.2	Carbon Dioxide Equivalent (CO2e)				
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	6,389,508	5,037,595	4,977,830	
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.99	0.65	0.68	
<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	Not applicable	3,541	
5.4.2	Leak rate of CO2e emissions of SF6 (MT/Net MWh)	Not applicable	Not applicable	0.000714	
<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)	5,021	1,793	1,869	
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.001923	0.000360	0.000377	
<b>6.3</b>	<b>Sulfur Dioxide (SO2)</b>				
6.3.1	Total SO2 Emissions (MT)	8,017	1,021	1,253	
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)	0.003071	0.000200	0.000252	
<b>6.4</b>	<b>Mercury (Hg)</b>				
6.4.1	Total Hg Emissions (kg)	88.1	5.3	17.0	Current (2021 and 2022) Hg emissions include only units that use performance-based measurement and are applicable to the EPA Mercury and Air Toxics Standard (MATS).
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.000034	0.000001	0.000003	
<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	2,884	2,982	
7.2	Percentage of Women in Total Workforce	27%	26%	25%	
7.3	Percentage of Minorities in Total Workforce	9%	12%	14%	
7.4	Total Number on Board of Directors/Trustees	10	11	10	
7.5	Percentage of Women on Board of Directors/Trustees	10%	27%	30%	
7.6	Percentage of Minorities on Board of Directors/Trustees	10%	9%	10%	
7.7	Employee Safety Metrics				
7.7.1	Recordable Incident Rate	3.99	1.06	1.39	
7.7.2	Lost-time Case Rate	0.39	0.70	0.46	
7.7.3	Days Away, Restricted, and Transfer (DART) Rate	1.93	0.71	0.82	
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	704.65	664.45	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	1.35E-04	1.28E-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	1.5	12.5	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 for 2020. 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>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.</p>					