ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company
Operating Company(s): MidAmerican Energy Company

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.

	Includ	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained		
	Baseline	Current Year		Baseline	Current Year		
	2005	2022	% Change	2005	2022	% Change	
Emissions							
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)							
Owned Generation							
Carbon Dioxide (CO2)							
Total Owned Generation CO2 Emissions (MT)	18,379,586	10,773,953	(41.4)%	18,379,586	10,773,953	(41.4)%	
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.814	0.248	(69.6)%	0.814	0.251	(69.2)%	
Carbon Dioxide Equivalent (CO2e)							
Total Owned Generation CO2e Emissions (MT)	18,509,803	10,849,452	(41.4)%	18,509,803	10,849,452	(41.4)%	
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.820	0.249	(69.6)%	0.820	0.253	(69.2)%	
Purchased Power							
Carbon Dioxide (CO2)							
Total Purchased Generation CO2 Emissions (MT)	-	-	-	-	-	-	
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	-	-	-	-	-	-	
Carbon Dioxide Equivalent (CO2e)							
Total Purchased Generation CO2e Emissions (MT)	-	-	-	-	-	-	
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	-	-	-	-	-	-	
Owned Generation + Purchased Power							
Carbon Dioxide (CO2)							
Total Owned + Purchased Generation CO2 Emissions (MT)	18,379,586	10,773,953	(41.4)%	18,379,586	10,773,953	(41.4)%	
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.804	0.247	(69.3)%	0.804	0.250	(69.0)%	
Carbon Dioxide Equivalent (CO2e)							
Total Owned + Purchased Generation CO2e Emissions (MT)	18,509,803	10,849,452	(41.4)%	18,509,803	10,849,452	(41.4)%	
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.810	0.248	(69.3)%	0.810	0.251	(69.0)%	
Non-Generation CO2e Emissions							
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	5,270	Not Available	Not Available	5,270	Not Available	
Fugitive CO2e emissions from natural gas distribution (MT)	Not Available	[A]	Not Available	Not Available	[A]	Not Available	
Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)							
Generation basis for calculation	Total	Total		Total	Total		
Nitrogen Oxide (NOx)							
Total NOx Emissions (MT)	32,794	7,463	(77.2)%	32,794	7,463	(77.2)%	
Total NOx Emissions Intensity (MT/Net MWh)	0.0014348	0.0001709	(88.1)%	0.0014348	0.0001729	(87.9)%	
Sulfur Dioxide (SO2)							
Total SO2 Emissions (MT)	54,862	11,944	(78.2)%	54,862	11,944	(78.2)%	
Total SO2 Emissions Intensity (MT/Net MWh)	0.0024003	0.0002734	(88.6)%	0.0024003	0.0002768	(88.5)%	
Mercury (Hg)							
Total Hg Emissions (kg)	431	29	(93.3)%	431	29	(93.3)%	
Total Hg Emissions Intensity (kg/Net MWh)	0.0000189	0.0000007	(96.5)%	0.0000189	0.0000007	(96.4)%	

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	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained		
	Baseline 2005	Current Year 2022	% Change	Baseline 2005	Current Year 2022	% Change
Net Generation						
Net Generation for the data year (MWh)	22,855,772	43,681,243	91.1 %	22,855,772	43,151,606	88.8 %
Coal	17,901,819	10,078,400	(43.7)%	17,901,819	10,078,400	(43.7)%
Natural Gas	723,009	1,502,139	107.8 %	723,009	1,502,139	107.8 %
Nuclear	3,336,553	3,782,347	13.4 %	3,336,553	3,782,347	13.4 %
Petroleum	1,985	1,822	(8.2)%	1,985	1,822	(8.2)%
Total Renewable Energy Resources	892,406	28,316,535	*	892,406	27,786,898	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	17,544	(0.1)%	17,567	17,544	(0.1)%
Solar	-	162,643	100.0 %	-	162,643	100.0 %
Wind	874,839	28,136,348	*	874,839	27,606,711	*
Other	-	-	-	-	-	-
Owned Net Generation for the data year (MWh)	22,583,075	43,493,044	92.6 %	22,583,075	42,963,407	90.2 %
Coal	17,901,819	10,078,400	(43.7)%	17,901,819	10,078,400	(43.7)%
Natural Gas	723,009	1,502,139	107.8 %	723,009	1,502,139	107.8 %
Nuclear	3,336,553	3,782,347	13.4 %	3,336,553	3,782,347	13.4 %
Petroleum	1,985	1,822	(8.2)%	1,985	1,822	(8.2)%
Total Renewable Energy Resources	619,709	28,128,336	*	619,709	27,598,699	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	17,544	(0.1)%	17,567	17,544	(0.1)%
Solar	-	162,643	100.0 %	-	162,643	100.0 %
Wind	602,142	27,948,149	*	602,142	27,418,512	*
Other	=	-	-	-	-	-
Purchased Net Generation for the data year (MWh)	272,697	188,199	(31.0)%	272,697	188,199	(31.0)%
Coal	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	272,697	188,199	(31.0)%	272,697	188,199	(31.0)%
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-
Solar	-	-	-	-	-	-
Wind	272,697	188,199	(31.0)%	272,697	188,199	(31.0)%
Other	-	-	-	-	-	-

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	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained			
	Baseline 2005	Current Year 2022	% Change	Baseline 2005	Current Year 2022	% Change	
Generation Capacity and Other							
Owned Generation Capacity at end of year (MW) (1)	4,987	11,795	136.5 %				
Coal	2,847	2,683	(5.8)%				
Natural Gas	1,283	1,266	(1.3)%				
Nuclear	437	455	4.1 %				
Petroleum	56	54	(3.6)%				
Total Renewable Energy Resources	364	7,337	*				
Biomass/Biogas	-	-	-				
Geothermal	-	-	-				
Hydroelectric	3	4	33.3 %				
Solar	-	141	100.0 %				
Wind	361	7,192	*				
Other	-	-	-				
Investing in the Future: Capital Expenditures and Energy Efficiency (EE)							
Total Annual Capital Expenditures (nominal dollars)	\$ 699,061,000	\$ 1,869,000,000	167.4 %				
Incremental Annual Electricity Savings from EE Measures (MWh)	121,169	144,048	18.9 %				
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 26,534,703	\$ 35,724,537	34.6 %				
	20,334,703	33,724,337	34.0 70				
Retail Electric Customer Count (at end of year)							
Commercial	96,853	114,336	18.1 %				
Industrial	1,447	1,646	13.8 %				
Residential	605,315	696,798	15.1 %				
Human Resources							
Total Number of Employees as of the end of the year	3,698	3,411	(7.8)%				
Percentage of Women in Total Workforce	Not Available	27.4 %	Not Available				
Percentage of Minorities in Total Workforce	Not Available	9.1 %	Not Available				
Total Number on Board of Directors/Trustees	[B]	[B]	[B]				
Percentage of Women on Board of Directors/Trustees	[B]	[B]	[B]				
Percentage of Minorities on Board of Directors/Trustees	[B]	[B]	[B]				
Employee Safety Metrics	• •	, ,	1				
Recordable Incident Rate	2.73	0.52	(81.0)%				
Lost-time Case Rate	0.20	0.15	(25.0)%				
Days Away, Restricted, and Transfer (DART) Rate	1.47	0.25	(83.0)%				
Work-related Fatalities	-	-	-				
Fresh Water Resources							
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000297	0.0000005	(98.5)%	0.0000297	0.0000005	(98.4)%	
Water Withdrawals - Consumptive (Billions of Liters/Net MWh) Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000297	0.0000172	(71.6)%	0.0000607	0.0000174	(71.3)%	
	2.2223007		(. 2.0//	2.222007		(. 1.5)//	
Waste Products							
Amount of Hazardous Waste Manifested for Disposal (MT)	Not Available	6.0	Not Available				
Percent of Coal Combustion Products Beneficially Used	50.8 %	37.8 %	(25.6)%				

Note

[A] Refer to MidAmerican Energy Company's Natural Gas ESG/Sustainability Quantitative Information for the amount

[B] 100% of MidAmerican Energy's common voting interest is indirectly held by Berkshire Hathaway Energy

(1) Generation capacity agrees to amounts reported in the Form 10-K

* Percentage not meaningful