

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, 2019

Disclaimer: Data included herein is based on information available as of November 4, 2020, and is subject to change without notice should new or additional information be obtained.

	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained		
	Baseline	Current Year	% Change	Baseline	Current Year	% Change
	2005	2019		2005	2019	
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	12,487,322	(32.1)%	18,379,586	12,487,322	(32.1)%
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.814	0.383	(52.9)%	0.814	0.402	(50.5)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	18,509,803	12,579,066	(32.0)%	18,509,803	12,579,066	(32.0)%
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.820	0.386	(52.9)%	0.820	0.405	(50.5)%
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	12,487,322	(32.1)%	18,379,586	12,487,322	(32.1)%
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.804	0.380	(52.8)%	0.804	0.399	(50.4)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	18,509,803	12,579,066	(32.0)%	18,509,803	12,579,066	(32.0)%
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.810	0.383	(52.7)%	0.810	0.402	(50.4)%
Non-Generation CO2e Emissions						
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	18,566	Not Available	Not Available	18,566	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	8,689	(73.5)%	32,794	8,689	(73.5)%
Total NOx Emissions Intensity (MT/Net MWh)	0.0014348	0.0002643	(81.6)%	0.0014348	0.0002777	(80.6)%
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT)	54,862	13,636	(75.1)%	54,862	13,636	(75.1)%
Total SO2 Emissions Intensity (MT/Net MWh)	0.0024003	0.0004148	(82.7)%	0.0024003	0.0004358	(81.8)%
Mercury (Hg)						
Total Hg Emissions (kg)	431	23	(94.7)%	431	23	(94.7)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000189	0.0000007	(96.3)%	0.0000189	0.0000007	(96.1)%

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	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained		
	Baseline	Current Year	% Change	Baseline	Current Year	% Change
	2005	2019		2005	2019	
Net Generation						
Net Generation for the data year (MWh)	22,855,772	32,871,556	43.8 %	22,855,772	31,291,572	36.9 %
Coal	17,901,819	12,181,572	(32.0)%	17,901,819	12,181,572	(32.0)%
Natural Gas	723,009	440,494	(39.1)%	723,009	440,494	(39.1)%
Nuclear	3,336,553	3,848,602	15.3 %	3,336,553	3,848,602	15.3 %
Petroleum	1,985	788	(60.3)%	1,985	788	(60.3)%
Total Renewable Energy Resources	892,406	16,400,100	*	892,406	14,820,116	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	8,162	(53.5)%	17,567	8,162	(53.5)%
Solar	-	-	-	-	-	-
Wind	874,839	16,391,938	*	874,839	14,811,954	*
Other	-	-	-	-	-	-
Owned Net Generation for the data year (MWh)	22,583,075	32,607,453	44.4 %	22,583,075	31,027,469	37.4 %
Coal	17,901,819	12,181,572	(32.0)%	17,901,819	12,181,572	(32.0)%
Natural Gas	723,009	440,494	(39.1)%	723,009	440,494	(39.1)%
Nuclear	3,336,553	3,848,602	15.3 %	3,336,553	3,848,602	15.3 %
Petroleum	1,985	788	(60.3)%	1,985	788	(60.3)%
Total Renewable Energy Resources	619,709	16,135,997	*	619,709	14,556,013	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	8,162	(53.5)%	17,567	8,162	(53.5)%
Solar	-	-	-	-	-	-
Wind	602,142	16,127,835	*	602,142	14,547,851	*
Other	-	-	-	-	-	-
Purchased Net Generation for the data year (MWh)	272,697	264,103	(3.2)%	272,697	264,103	(3.2)%
Coal	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	272,697	264,103	(3.2)%	272,697	264,103	(3.2)%
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-
Solar	-	-	-	-	-	-
Wind	272,697	264,103	(3.2)%	272,697	264,103	(3.2)%
Other	-	-	-	-	-	-

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	Includes generation associated with RECs which were not retained			Excludes generation associated with RECs which were not retained		
	Baseline	Current Year	% Change	Baseline	Current Year	% Change
	2005	2019		2005	2019	
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) ⁽¹⁾	4,987	10,753	115.6 %			
Coal	2,847	2,701	(5.1)%			
Natural Gas	1,283	1,360	6.0 %			
Nuclear	437	455	4.1 %			
Petroleum	56	56	- %			
Total Renewable Energy Resources	364	6,181	*			
Biomass/Biogas	-	-	-			
Geothermal	-	-	-			
Hydroelectric	3	4	33.3 %			
Solar	-	-	-			
Wind	361	6,177	*			
Other	-	-	-			
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters						
Total Annual Capital Expenditures (nominal dollars)	\$ 699,061,000	\$ 2,810,000,000	302.0 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	121,169	200,609	65.6 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 26,534,703	\$ 52,772,115	98.9 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	0.000 %	-			
Retail Electric Customer Count (at end of year)						
Commercial	96,853	109,959	13.5 %			
Industrial	1,447	1,772	22.5 %			
Residential	605,315	674,579	11.4 %			
Human Resources						
Total Number of Employees as of the end of the year	3,698	3,459	(6.5)%			
Total Number on Board of Directors/Trustees	[B]	[B]	[B]			
Total Women on Board of Directors/Trustees	[B]	[B]	[B]			
Total Minorities on Board of Directors/Trustees	[B]	[B]	[B]			
Employee Safety Metrics						
Recordable Incident Rate	2.73	0.66	(75.8)%			
Lost-time Case Rate	0.20	0.18	(10.0)%			
Days Away, Restricted, and Transfer (DART) Rate	1.47	0.39	(73.5)%			
Work-related Fatalities	-	-	-			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000297	0.0000007	(97.7)%	0.0000297	0.0000007	(97.6)%
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000607	0.0000221	(63.7)%	0.0000607	0.0000232	(61.8)%
Waste Products						
Amount of Hazardous Waste Manifested for Disposal (MT)	Not Available	33.0	Not Available			
Percent of Coal Combustion Products Beneficially Used	50.8 %	28.0 %	(44.9)%			

Notes

[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.