

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, 2018

Disclaimer: Data included herein is based on information available as of April 29, 2021, and is subject to change without notice should new or additional information is obtained.

	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	2018	% Change	2005	2018	% 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	16,216,277	(11.8)%	18,379,586	16,216,277	(11.8)%
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.814	0.477	(41.4)%	0.814	0.502	(38.3)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	18,509,803	16,347,772	(11.7)%	18,509,803	16,347,772	(11.7)%
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.820	0.481	(41.3)%	0.820	0.507	(38.2)%
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	16,216,277	(11.8)%	18,379,586	16,216,277	(11.8)%
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.804	0.473	(41.1)%	0.804	0.498	(38.0)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	18,509,803	16,347,772	(11.7)%	18,509,803	16,347,772	(11.7)%
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.810	0.477	(41.1)%	0.810	0.502	(38.0)%
Non-Generation CO2e Emissions						
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	9,227	Not Available	Not Available	9,227	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	12,284	(62.5)%	32,794	12,284	(62.5)%
Total NOx Emissions Intensity (MT/Net MWh)	0.0014348	0.0003587	(75.0)%	0.0014348	0.0003775	(73.7)%
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT)	54,862	17,830	(67.5)%	54,862	17,830	(67.5)%
Total SO2 Emissions Intensity (MT/Net MWh)	0.0024003	0.0005206	(78.3)%	0.0024003	0.0005479	(77.2)%
Mercury (Hg)						
Total Hg Emissions (kg)	431	40	(90.7)%	431	40	(90.7)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000189	0.0000012	(93.8)%	0.0000189	0.0000012	(93.5)%

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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	2018		2005	2018	
Net Generation						
Net Generation for the data year (MWh)	22,855,772	34,248,833	49.8 %	22,855,772	32,544,486	42.4 %
Coal	17,901,819	15,821,743	(11.6)%	17,901,819	15,821,743	(11.6)%
Natural Gas	723,009	660,338	(8.7)%	723,009	660,338	(8.7)%
Nuclear	3,336,553	3,868,644	15.9 %	3,336,553	3,868,644	15.9 %
Petroleum	1,985	466	(76.5)%	1,985	466	(76.5)%
Total Renewable Energy Resources	892,406	13,897,642	*	892,406	12,193,295	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	13,945	(20.6)%	17,567	13,945	(20.6)%
Solar	-	-	-	-	-	-
Wind	874,839	13,883,697	*	874,839	12,179,350	*
Other	-	-	-	-	-	-
Owned Net Generation for the data year (MWh)	22,583,075	33,978,189	50.5 %	22,583,075	32,273,842	42.9 %
Coal	17,901,819	15,821,743	(11.6)%	17,901,819	15,821,743	(11.6)%
Natural Gas	723,009	660,338	(8.7)%	723,009	660,338	(8.7)%
Nuclear	3,336,553	3,868,644	15.9 %	3,336,553	3,868,644	15.9 %
Petroleum	1,985	466	(76.5)%	1,985	466	(76.5)%
Total Renewable Energy Resources	619,709	13,626,998	*	619,709	11,922,651	*
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	17,567	13,945	(20.6)%	17,567	13,945	(20.6)%
Solar	-	-	-	-	-	-
Wind	602,142	13,613,053	*	602,142	11,908,706	*
Other	-	-	-	-	-	-
Purchased Net Generation for the data year (MWh)	272,697	270,644	(0.8)%	272,697	270,644	(0.8)%
Coal	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	272,697	270,644	(0.8)%	272,697	270,644	(0.8)%
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-
Solar	-	-	-	-	-	-
Wind	272,697	270,644	(0.8)%	272,697	270,644	(0.8)%
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	2018		2005	2018	
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) ⁽¹⁾	4,987	9,748	95.5 %			
Coal	2,847	2,705	(5.0)%			
Natural Gas	1,283	1,369	6.7 %			
Nuclear	437	456	4.3 %			
Petroleum	56	56	-%			
Total Renewable Energy Resources	364	5,162	*			
Biomass/Biogas	-	-	-			
Geothermal	-	-	-			
Hydroelectric	3	4	33.3 %			
Solar	-	-	-			
Wind	361	5,158	*			
Other	-	-	-			
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters						
Total Annual Capital Expenditures (nominal dollars)	\$ 699,061,000	\$ 2,332,000,000	233.6 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	121,169	389,648	221.6 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 26,534,703	\$ 85,175,503	221.0 %			
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	108,199	11.7 %			
Industrial	1,447	1,812	25.2 %			
Residential	605,315	669,498	10.6 %			
Human Resources						
Total Number of Employees as of the end of the year	3,698	3,440	(7.0)%			
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	0.56	(79.5)%			
Lost-time Case Rate	0.20	0.09	(55.0)%			
Days Away, Restricted, and Transfer (DART) Rate	1.47	0.27	(81.6)%			
Work-related Fatalities	-	-	-			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000297	0.0000007	(97.5)%	0.0000297	0.0000008	(97.4)%
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0000607	0.0000255	(57.9)%	0.0000607	0.0000269	(55.7)%
Waste Products						
Amount of Hazardous Waste Manifested for Disposal	Not Available	15.0	Not Available			
Percent of Coal Combustion Products Beneficially Used	50.8 %	21.8 %	(57.0)%			

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.