

ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company
Operating Company(s): PacifiCorp, MidAmerican Energy Company, NV Energy, Inc. and BHE Renewables, LLC
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	% Change	Baseline	Current Year	% Change
	2005	2018		2005	2018	
Emissions						
GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)						
Owned Generation						
Carbon Dioxide (CO2)						
Total Owned Generation CO2 Emissions (MT)	78,030,785	69,331,193	(11.1)%	78,030,785	69,331,193	(11.1)%
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.825	0.569	(31.1)%	0.825	0.623	(24.6)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	78,693,767	69,793,304	(11.3)%	78,693,767	69,793,304	(11.3)%
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.832	0.572	(31.2)%	0.832	0.627	(24.7)%
Purchased Power						
Carbon Dioxide (CO2)						
Total Purchased Generation CO2 Emissions (MT)	1,844,149	1,511,872	(18.0)%	1,844,149	1,511,872	(18.0)%
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.246	0.120	(51.1)%	0.261	0.171	(34.4)%
Carbon Dioxide Equivalent (CO2e)						
Total Purchased Generation CO2e Emissions (MT)	1,850,247	1,527,465	(17.4)%	1,850,247	1,527,465	(17.4)%
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.247	0.122	(50.7)%	0.262	0.173	(33.9)%
Owned Generation + Purchased Power						
Carbon Dioxide (CO2)						
Total Owned + Purchased Generation CO2 Emissions (MT)	79,874,934	70,843,065	(11.3)%	79,874,934	70,843,065	(11.3)%
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.783	0.527	(32.7)%	0.786	0.590	(25.0)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	80,544,014	71,320,769	(11.5)%	80,544,014	71,320,769	(11.5)%
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.789	0.530	(32.8)%	0.793	0.594	(25.1)%
Non-Generation CO2e Emissions						
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	116,968	Not Available	Not Available	116,968	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) ⁽¹⁾	144,482	51,219	(64.5)%	144,482	51,219	(64.5)%
Total NOx Emissions Intensity (MT/Net MWh)	0.0014156	0.0003808	(73.1)%	0.0014222	0.0004263	(70.0)%
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT) ⁽¹⁾	161,186	43,693	(72.9)%	161,186	43,693	(72.9)%
Total SO2 Emissions Intensity (MT/Net MWh)	0.0015792	0.0003249	(79.4)%	0.0015867	0.0003637	(77.1)%
Mercury (Hg)						
Total Hg Emissions (kg) ⁽¹⁾	839	140	(83.3)%	839	140	(83.3)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000082	0.0000010	(87.3)%	0.0000083	0.0000012	(85.9)%

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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)	102,066,214	134,497,876	31.8 %	101,588,071	120,141,798	18.3 %
Coal	72,062,505	55,481,830	(23.0)%	72,062,505	55,481,830	(23.0)%
Natural Gas	13,893,047	32,304,948	132.5 %	13,893,047	32,304,948	132.5 %
Nuclear	3,336,553	3,868,644	15.9 %	3,336,553	3,868,644	15.9 %
Petroleum	3,484	466	(86.6)%	3,484	466	(86.6)%
Total Renewable Energy Resources	10,538,297	42,812,923	306.3 %	10,060,154	28,456,845	182.9 %
Biomass/Biogas	-	393,638	100.0 %	-	393,638	100.0 %
Geothermal	2,930,720	4,942,063	68.6 %	2,930,720	4,942,063	68.6 %
Hydroelectric	5,944,069	4,172,051	(29.8)%	5,944,069	4,172,051	(29.8)%
Solar	54	8,111,647	*	-	1,774,661	100.0 %
Wind	1,663,454	25,193,524	*	1,185,365	17,174,432	*
Other	2,232,328	29,065	(98.7)%	2,232,328	29,065	(98.7)%
Owned Net Generation for the data year (MWh)	94,573,374	121,948,139	28.9 %	94,532,496	111,325,599	17.8 %
Coal	72,062,505	54,579,116	(24.3)%	72,062,505	54,579,116	(24.3)%
Natural Gas	12,035,918	32,196,480	167.5 %	12,035,918	32,196,480	167.5 %
Nuclear	3,336,553	3,868,644	15.9 %	3,336,553	3,868,644	15.9 %
Petroleum	3,484	466	(86.6)%	3,484	466	(86.6)%
Total Renewable Energy Resources	6,960,224	31,274,368	349.3 %	6,919,346	20,651,828	198.5 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	2,930,720	2,725,674	(7.0)%	2,930,720	2,725,674	(7.0)%
Hydroelectric	3,322,968	3,313,762	(0.3)%	3,322,968	3,313,762	(0.3)%
Solar	-	3,974,612	100.0 %	-	45,026	100.0 %
Wind	706,536	21,260,320	*	665,658	14,567,366	*
Other	174,690	29,065	(83.4)%	174,690	29,065	(83.4)%
Purchased Net Generation for the data year (MWh)	7,492,840	12,549,737	67.5 %	7,055,575	8,816,199	25.0 %
Coal	-	902,714	100.0 %	-	902,714	100.0 %
Natural Gas	1,857,129	108,468	(94.2)%	1,857,129	108,468	(94.2)%
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	3,578,073	11,538,555	222.5 %	3,140,808	7,805,017	148.5 %
Biomass/Biogas	-	393,638	100.0 %	-	393,638	100.0 %
Geothermal	-	2,216,389	100.0 %	-	2,216,389	100.0 %
Hydroelectric	2,621,101	858,289	(67.3)%	2,621,101	858,289	(67.3)%
Solar	54	4,137,035	*	-	1,729,635	100.0 %
Wind	956,918	3,933,204	311.0 %	519,707	2,607,066	401.6 %
Other	2,057,638	-	(100.0)%	2,057,638	-	(100.0)%

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	Baseline	Current Year		Baseline	Current Year	
	2005	2018	% Change	2005	2018	% Change
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) ⁽²⁾	18,903	31,158	64.8 %			
Coal	9,791	9,138	(6.7)%			
Natural Gas	6,612	10,580	60.0 %			
Nuclear	437	456	4.3 %			
Petroleum	118	56	(52.5)%			
Total Renewable Energy Resources	1,923	10,923	468.0 %			
Biomass/Biogas	-	-	-			
Geothermal	367	370	0.8 %			
Hydroelectric	1,162	1,149	(1.1)%			
Solar	-	1,551	100.0 %			
Wind	394	7,853	*			
Other	22	5	(77.3)%			
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters						
Total Annual Capital Expenditures (nominal dollars)	\$ 2,867,632,000	\$ 6,241,000,000	117.6 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	465,937	1,111,202	138.5 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 84,454,225	\$ 249,664,514	195.6 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	41.212 %	100.0 %			
Retail Electric Customer Count (at end of year)						
Commercial	424,422	478,528	12.7 %			
Industrial	37,285	36,709	(1.5)%			
Residential	2,914,194	3,445,653	18.2 %			
Human Resources						
Total Number of Employees as of the end of the year	21,326	22,895	7.4 %			
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	2.36	0.56	(76.3)%			
Lost-time Case Rate	0.46	0.14	(69.6)%			
Days Away, Restricted, and Transfer (DART) Rate	1.23	0.24	(80.5)%			
Work-related Fatalities	1	-	(100.0)%			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh) ⁽³⁾	Not Available	0.0000011	Not Available	Not Available	0.0000012	Not Available
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh) ⁽³⁾	Not Available	0.0000090	Not Available	Not Available	0.0000099	Not Available
Waste Products						
Amount of Hazardous Waste Manifested for Disposal ⁽⁴⁾	25,077.1	21,872.6	(12.8)%			
Percent of Coal Combustion Products Beneficially Used	23.0 %	25.7 %	11.6 %			

Notes

[A] Refer to MidAmerican Energy Company's Natural Gas ESG/Sustainability Quantitative Information for the amount.
[B] Berkshire Hathaway Energy's Board of Directors represents 100% of the Company's ownership interests and includes Mr. Gregory Abel, Mr. Warren Buffett, Mr. Marc Hamburg, Mr. Walter Scott, Jr. and Mr. William Fehrman.
(1) 2005 excludes BHE Renewables, LLC as those amounts were not available.
(2) Generation capacity agrees to amounts reported in the Form 10-K. 2005 includes PacifiCorp's amounts as published in its March 31, 2006 Form 10-K.
(3) Water withdrawals do not include hypersaline brine utilized in geothermal production.
(4) 2005 excludes MidAmerican Energy Company as those amounts were not available.
* Percentage not meaningful.