

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, 2017

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	2017	% Change	2005	2017	% Change
Emissions						
GHG Emissions: Carbon Dioxide (CO₂) and Carbon Dioxide Equivalent (CO₂e)						
Owned Generation						
Carbon Dioxide (CO ₂)						
Total Owned Generation CO ₂ Emissions (MT)	78,030,785	66,445,657	(14.8)%	78,030,785	66,445,657	(14.8)%
Total Owned Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.825	0.576	(30.1)%	0.825	0.629	(23.8)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned Generation CO ₂ e Emissions (MT)	78,693,767	66,884,938	(15.0)%	78,693,767	66,884,938	(15.0)%
Total Owned Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.832	0.580	(30.3)%	0.832	0.633	(23.9)%
Purchased Power						
Carbon Dioxide (CO ₂)						
Total Purchased Generation CO ₂ Emissions (MT)	1,844,149	1,472,683	(20.1)%	1,844,149	1,472,683	(20.1)%
Total Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.246	0.121	(51.0)%	0.261	0.167	(36.1)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Purchased Generation CO ₂ e Emissions (MT)	1,850,247	1,487,022	(19.6)%	1,850,247	1,487,022	(19.6)%
Total Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.247	0.122	(50.7)%	0.262	0.169	(35.7)%
Owned Generation + Purchased Power						
Carbon Dioxide (CO ₂)						
Total Owned + Purchased Generation CO ₂ Emissions (MT)	79,874,934	67,918,340	(15.0)%	79,874,934	67,918,340	(15.0)%
Total Owned + Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.783	0.533	(31.9)%	0.786	0.594	(24.5)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned + Purchased Generation CO ₂ e Emissions (MT)	80,544,014	68,371,960	(15.1)%	80,544,014	68,371,960	(15.1)%
Total Owned + Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.789	0.536	(32.0)%	0.793	0.598	(24.6)%
Non-Generation CO₂e Emissions						
Fugitive CO ₂ e emissions of sulfur hexafluoride (MT)	Not Available	118,846	Not Available	Not Available	118,846	Not Available
Fugitive CO ₂ e emissions from natural gas distribution (MT)	Not Available	93,782	Not Available	Not Available	93,782	Not Available
Nitrogen Oxide (NO_x), Sulfur Dioxide (SO₂), Mercury (Hg)						
Generation basis for calculation	Total	Total		Total	Total	
Nitrogen Oxide (NO_x)						
Total NO _x Emissions (MT) ⁽¹⁾	144,482	51,471	(64.4)%	144,482	51,471	(64.4)%
Total NO _x Emissions Intensity (MT/Net MWh)	0.0014156	0.0004037	(71.5)%	0.0014222	0.0004499	(68.4)%
Sulfur Dioxide (SO₂)						
Total SO ₂ Emissions (MT) ⁽¹⁾	161,186	43,370	(73.1)%	161,186	43,370	(73.1)%
Total SO ₂ Emissions Intensity (MT/Net MWh)	0.0015792	0.0003401	(78.5)%	0.0015867	0.0003791	(76.1)%
Mercury (Hg)						
Total Hg Emissions (kg) ⁽¹⁾	839	151	(82.0)%	839	151	(82.0)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000082	0.0000012	(85.6)%	0.0000083	0.0000013	(84.0)%

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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	2017		2005	2017	
Net Generation						
Net Generation for the data year (MWh)	102,066,214	127,502,042	24.9 %	101,588,071	114,411,448	12.6 %
Coal	72,062,505	54,007,564	(25.1)%	72,062,505	54,007,564	(25.1)%
Natural Gas	13,893,047	27,975,193	101.4 %	13,893,047	27,975,193	101.4 %
Nuclear	3,336,553	3,849,594	15.4 %	3,336,553	3,849,594	15.4 %
Petroleum	3,484	1,049	(69.9)%	3,484	1,049	(69.9)%
Total Renewable Energy Resources	10,538,297	41,635,857	295.1 %	10,060,154	28,545,263	183.7 %
Biomass/Biogas	-	397,182	100.0 %	-	397,182	100.0 %
Geothermal	2,930,720	5,070,476	73.0 %	2,930,720	5,070,476	73.0 %
Hydroelectric	5,944,069	5,801,512	(2.4)%	5,944,069	5,801,512	(2.4)%
Solar	54	7,170,205	*	-	1,648,171	100.0 %
Wind	1,663,454	23,196,482	*	1,185,365	15,627,922	*
Other	2,232,328	32,785	(98.5)%	2,232,328	32,785	(98.5)%
Owned Net Generation for the data year (MWh)	94,573,374	115,289,891	21.9 %	94,532,496	105,599,112	11.7 %
Coal	72,062,505	53,166,403	(26.2)%	72,062,505	53,166,403	(26.2)%
Natural Gas	12,035,918	27,849,757	131.4 %	12,035,918	27,849,757	131.4 %
Nuclear	3,336,553	3,849,594	15.4 %	3,336,553	3,849,594	15.4 %
Petroleum	3,484	1,049	(69.9)%	3,484	1,049	(69.9)%
Total Renewable Energy Resources	6,960,224	30,390,303	336.6 %	6,919,346	20,699,524	199.2 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	2,930,720	2,702,550	(7.8)%	2,930,720	2,702,550	(7.8)%
Hydroelectric	3,322,968	4,756,635	43.1 %	3,322,968	4,756,635	43.1 %
Solar	-	3,717,642	100.0 %	-	81,368	100.0 %
Wind	706,536	19,213,476	*	665,658	13,158,971	*
Other	174,690	32,785	(81.2)%	174,690	32,785	(81.2)%
Purchased Net Generation for the data year (MWh)	7,492,840	12,212,151	63.0 %	7,055,575	8,812,336	24.9 %
Coal	-	841,161	100.0 %	-	841,161	100.0 %
Natural Gas	1,857,129	125,436	(93.2)%	1,857,129	125,436	(93.2)%
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	3,578,073	11,245,554	214.3 %	3,140,808	7,845,739	149.8 %
Biomass/Biogas	-	397,182	100.0 %	-	397,182	100.0 %
Geothermal	-	2,367,926	100.0 %	-	2,367,926	100.0 %
Hydroelectric	2,621,101	1,044,877	(60.1)%	2,621,101	1,044,877	(60.1)%
Solar	54	3,452,563	*	-	1,566,803	100.0 %
Wind	956,918	3,983,006	316.2 %	519,707	2,468,951	375.1 %
Other	2,057,638	-	(100.0)%	2,057,638	-	(100.0)%

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	Baseline	Current Year		Baseline	Current Year	
	2005	2017	% Change	2005	2017	% Change
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) ⁽²⁾	18,903	29,823	57.8 %			
Coal	9,791	9,158	(6.5)%			
Natural Gas	6,612	10,579	60.0 %			
Nuclear	437	455	4.1 %			
Petroleum	118	56	(52.5)%			
Total Renewable Energy Resources	1,923	9,570	397.7 %			
Biomass/Biogas	-	-	-			
Geothermal	367	370	0.8 %			
Hydroelectric	1,162	1,149	(1.1)%			
Solar	-	1,527	100.0 %			
Wind	394	6,524	*			
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	\$ 4,571,000,000	59.4 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	465,937	1,204,257	158.5 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 84,454,225	\$ 283,507,061	235.7 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	32.284 %	100.0 %			
Retail Electric Customer Count (at end of year)						
Commercial	424,422	471,824	11.2 %			
Industrial	37,285	36,726	(1.5)%			
Residential	2,914,194	3,389,224	16.3 %			
Human Resources						
Total Number of Employees as of the end of the year	21,326	22,773	6.8 %			
Total Number on Board of Directors/Trustees	[A]	[A]	[A]			
Total Women on Board of Directors/Trustees	[A]	[A]	[A]			
Total Minorities on Board of Directors/Trustees	[A]	[A]	[A]			
Employee Safety Metrics						
Recordable Incident Rate	2.36	0.71	(69.9)%			
Lost-time Case Rate	0.46	0.23	(50.0)%			
Days Away, Restricted, and Transfer (DART) Rate	1.23	0.38	(69.1)%			
Work-related Fatalities	1	2	100.0 %			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh) ⁽³⁾	Not Available	0.0000010	Not Available	Not Available	0.0000011	Not Available
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh) ⁽³⁾	Not Available	0.0000101	Not Available	Not Available	0.0000110	Not Available
Waste Products						
Amount of Hazardous Waste Manifested for Disposal ⁽⁴⁾	25,077.1	25,778.5	2.8 %			
Percent of Coal Combustion Products Beneficially Used	23.0 %	25.3 %	9.9 %			

Notes

[A] 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.