

ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company

Operating Company(s): PacifiCorp

Report Date: As of and for the year ended December 31, 2017

Disclaimer: Data included herein is based on information available as of March 26, 2019, 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)	47,156,436	41,517,368	(12.0)%	47,156,436	41,517,368	(12.0)%
Total Owned Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.917	0.792	(13.7)%	0.918	0.801	(12.8)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned Generation CO ₂ e Emissions (MT)	47,528,635	41,826,769	(12.0)%	47,528,635	41,826,769	(12.0)%
Total Owned Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.924	0.798	(13.7)%	0.925	0.807	(12.8)%
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)	0.271	0.186	(31.2)%	0.289	0.304	5.0 %
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)	0.272	0.188	(30.8)%	0.290	0.307	5.7 %
Owned Generation + Purchased Power						
Carbon Dioxide (CO ₂)						
Total Owned + Purchased Generation CO ₂ Emissions (MT)	49,000,585	42,990,051	(12.3)%	49,000,585	42,990,051	(12.3)%
Total Owned + Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.842	0.712	(15.3)%	0.849	0.758	(10.6)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned + Purchased Generation CO ₂ e Emissions (MT)	49,378,882	43,313,791	(12.3)%	49,378,882	43,313,791	(12.3)%
Total Owned + Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.848	0.718	(15.4)%	0.855	0.764	(10.7)%
Non-Generation CO₂e Emissions						
Fugitive CO ₂ e emissions of sulfur hexafluoride (MT)	317,770	89,520	(71.8)%	317,770	89,520	(71.8)%
Fugitive CO ₂ e emissions from natural gas distribution (MT)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
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)	90,834	36,327	(60.0)%	90,834	36,327	(60.0)%
Total NO _x Emissions Intensity (MT/Net MWh)	0.0015602	0.0006021	(61.4)%	0.0015731	0.0006407	(59.3)%
Sulfur Dioxide (SO₂)						
Total SO ₂ Emissions (MT)	95,511	25,861	(72.9)%	95,511	25,861	(72.9)%
Total SO ₂ Emissions Intensity (MT/Net MWh)	0.0016405	0.0004286	(73.9)%	0.0016541	0.0004561	(72.4)%
Mercury (Hg)						
Total Hg Emissions (kg)	366	103	(71.9)%	366	103	(71.9)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000063	0.0000017	(72.8)%	0.0000063	0.0000018	(71.3)%

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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)	58,221,093	60,338,686	3.6 %	57,742,950	56,694,963	(1.8)%
Coal	45,055,730	38,206,720	(15.2)%	45,055,730	38,206,720	(15.2)%
Natural Gas	4,475,710	7,572,435	69.2 %	4,475,710	7,572,435	69.2 %
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	6,457,325	14,559,531	125.5 %	5,979,182	10,915,808	82.6 %
Biomass/Biogas	-	339,614	100.0 %	-	339,614	100.0 %
Geothermal	184,820	250,701	35.6 %	184,820	250,701	35.6 %
Hydroelectric	5,483,836	5,707,967	4.1 %	5,483,836	5,707,967	4.1 %
Solar	54	2,297,983	*	-	750,870	100.0 %
Wind	788,615	5,963,266	656.2 %	310,526	3,866,656	*
Other	2,232,328	-	(100.0)%	2,232,328	-	(100.0)%
Owned Net Generation for the data year (MWh)	51,410,259	52,431,037	2.0 %	51,369,381	51,848,482	0.9 %
Coal	45,055,730	37,365,559	(17.1)%	45,055,730	37,365,559	(17.1)%
Natural Gas	2,618,581	7,446,999	184.4 %	2,618,581	7,446,999	184.4 %
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	3,561,258	7,618,479	113.9 %	3,520,380	7,035,924	99.9 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	184,820	249,033	34.7 %	184,820	249,033	34.7 %
Hydroelectric	3,272,044	4,728,162	44.5 %	3,272,044	4,728,162	44.5 %
Solar	-	3,966	100.0 %	-	3,966	100.0 %
Wind	104,394	2,637,318	*	63,516	2,054,763	*
Other	174,690	-	(100.0)%	174,690	-	(100.0)%
Purchased Net Generation for the data year (MWh)	6,810,834	7,907,649	16.1 %	6,373,569	4,846,481	(24.0)%
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	2,896,067	6,941,052	139.7 %	2,458,802	3,879,884	57.8 %
Biomass/Biogas	-	339,614	100.0 %	-	339,614	100.0 %
Geothermal	-	1,668	100.0 %	-	1,668	100.0 %
Hydroelectric	2,211,792	979,805	(55.7)%	2,211,792	979,805	(55.7)%
Solar	54	2,294,017	*	-	746,904	100.0 %
Wind	684,221	3,325,948	386.1 %	247,010	1,811,893	633.5 %
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) ⁽¹⁾⁽²⁾	8,470	10,887	28.5 %			
Coal	6,104	5,924	(2.9)%			
Natural Gas	1,129	2,766	145.0 %			
Nuclear	-	-	-			
Petroleum	-	-	-			
Total Renewable Energy Resources	1,215	2,197	80.8 %			
Biomass/Biogas	-	-	-			
Geothermal	23	32	39.1 %			
Hydroelectric	1,159	1,135	(2.1)%			
Solar	-	-	-			
Wind	33	1,030	*			
Other	22	-	(100.0)%			
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters						
Total Annual Capital Expenditures (nominal dollars) ⁽²⁾	\$ 1,049,000,000	\$ 769,000,000	(26.7)%			
Incremental Annual Electricity Savings from EE Measures (MWh) ⁽³⁾	262,529	625,250	138.2 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 43,872,522	\$ 136,650,602	211.5 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	0.003 %	100.0 %			
Retail Electric Customer Count (at end of year)						
Commercial	199,195	211,846	6.4 %			
Industrial	34,237	33,200	(3.0)%			
Residential	1,379,654	1,622,276	17.6 %			
Human Resources						
Total Number of Employees as of the end of the year	6,750	5,436	(19.5)%			
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	4.65	1.01	(78.3)%			
Lost-time Case Rate	1.07	0.27	(74.8)%			
Days Away, Restricted, and Transfer (DART) Rate	2.23	0.42	(81.2)%			
Work-related Fatalities	-	2	100.0 %			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	Not Available	0.0000015	Not Available	Not Available	0.0000015	Not Available
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	Not Available	0.0000043	Not Available	Not Available	0.0000044	Not Available
Waste Products						
Amount of Hazardous Waste Manifested for Disposal	35.0	109.0	211.4 %			
Percent of Coal Combustion Products Beneficially Used	18.4 %	25.8 %	40.4 %			

Notes

[A] 100% of PacifiCorp's common voting interest is indirectly held by Berkshire Hathaway Energy.

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

(2) 2005 includes PacifiCorp's amounts as published in its March 31, 2006 Form 10-K.

(3) EIA Form 861 for EE savings and spending for Oregon is reported by the Energy Trust of Oregon and includes both PacifiCorp and Portland General Electric. The amounts provided include only PacifiCorp's share of those savings.

* Percentage not meaningful.