

ESG/Sustainability Quantitative Information



Parent Company: Berkshire Hathaway Energy Company

Operating Company(s): Nevada Power Company and Sierra Pacific Power Company

Report Date: As of and for the year ended December 31, 2019

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 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)	10,792,100	10,525,047	(2.5)%	10,792,100	10,525,047	(2.5)%
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.774	0.471	(39.1)%	0.774	0.472	(39.0)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	10,952,666	10,550,184	(3.7)%	10,952,666	10,550,184	(3.7)%
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.785	0.473	(39.8)%	0.785	0.473	(39.7)%
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)	10,792,100	10,525,047	(2.5)%	10,792,100	10,525,047	(2.5)%
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.752	0.389	(48.3)%	0.752	0.402	(46.5)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	10,952,666	10,550,184	(3.7)%	10,952,666	10,550,184	(3.7)%
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.763	0.390	(48.9)%	0.763	0.403	(47.2)%
Non-Generation CO2e Emissions						
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	13,675	Not Available	Not Available	13,675	Not Available
Fugitive CO2e emissions from natural gas distribution (MT)	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)						
Generation basis for calculation	Total	Total		Total	Total	
Nitrogen Oxide (NOx)						
Total NOx Emissions (MT)	20,854	4,106	(80.3)%	20,854	4,106	(80.3)%
Total NOx Emissions Intensity (MT/Net MWh)	0.0014524	0.0001517	(89.6)%	0.0014524	0.0001569	(89.2)%
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT)	10,813	2,424	(77.6)%	10,813	2,424	(77.6)%
Total SO2 Emissions Intensity (MT/Net MWh)	0.0007531	0.0000896	(88.1)%	0.0007531	0.0000926	(87.7)%
Mercury (Hg)						
Total Hg Emissions (kg)	42	5	(88.0)%	42	5	(88.0)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000029	0.0000002	(93.6)%	0.0000029	0.0000002	(93.4)%

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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)	14,357,880	27,064,591	88.5 %	14,357,880	26,175,073	82.3 %
Coal	9,104,956	2,417,661	(73.4)%	9,104,956	2,417,661	(73.4)%
Natural Gas	4,808,759	19,808,548	311.9 %	4,808,759	19,808,548	311.9 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	442,666	4,816,877	988.2 %	442,666	3,927,359	787.2 %
Biomass/Biogas	-	54,156	100.0 %	-	54,156	100.0 %
Geothermal	-	2,169,446	100.0 %	-	2,169,446	100.0 %
Hydroelectric	442,666	316,150	(28.6)%	442,666	316,150	(28.6)%
Solar	-	1,947,726	100.0 %	-	1,058,208	100.0 %
Wind	-	329,399	100.0 %	-	329,399	100.0 %
Other	-	21,505	100.0 %	-	21,505	100.0 %
Owned Net Generation for the data year (MWh)	13,948,571	22,323,625	60.0 %	13,948,571	22,287,197	59.8 %
Coal	9,104,956	2,417,661	(73.4)%	9,104,956	2,417,661	(73.4)%
Natural Gas	4,808,759	19,808,548	311.9 %	4,808,759	19,808,548	311.9 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	33,357	75,911	127.6 %	33,357	39,483	18.4 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric ⁽¹⁾	33,357	-	(100.0)%	33,357	-	(100.0)%
Solar ⁽²⁾	-	75,911	100.0 %	-	39,483	100.0 %
Wind	-	-	-	-	-	-
Other	-	21,505	100.0 %	-	21,505	100.0 %
Purchased Net Generation for the data year (MWh)	409,309	4,740,966	*	409,309	3,887,876	849.9 %
Coal	-	-	-	-	-	-
Natural Gas	-	-	-	-	-	-
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	409,309	4,740,966	*	409,309	3,887,876	849.9 %
Biomass/Biogas	-	54,156	100.0 %	-	54,156	100.0 %
Geothermal	-	2,169,446	100.0 %	-	2,169,446	100.0 %
Hydroelectric	409,309	316,150	(22.8)%	409,309	316,150	(22.8)%
Solar	-	1,871,815	100.0 %	-	1,018,725	100.0 %
Wind	-	329,399	100.0 %	-	329,399	100.0 %
Other	-	-	-	-	-	-

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	Baseline	Current Year		Baseline	Current Year	
	2005	2019	% Change	2005	2019	% Change
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) ⁽³⁾	4,111	5,756	40.0 %			
Coal ⁽⁴⁾	840	261	(68.9)%			
Natural Gas	3,209	5,475	70.6 %			
Nuclear	-	-	-			
Petroleum	62	-	(100.0)%			
Total Renewable Energy Resources	-	15	100.0 %			
Biomass/Biogas	-	-	-			
Geothermal	-	-	-			
Hydroelectric	-	-	-			
Solar	-	15	100.0 %			
Wind	-	-	-			
Other	-	5	100.0 %			
Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters						
Total Annual Capital Expenditures (nominal dollars)	\$ 590,672,000	\$ 657,000,000	11.2 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	82,239	296,283	260.3 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 14,047,000	\$ 32,210,144	129.3 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	99.481 %	100.0 %			
Retail Electric Customer Count (at end of year)						
Commercial	128,374	157,007	22.3 %			
Industrial	1,601	1,699	6.1 %			
Residential	929,225	1,144,725	23.2 %			
Human Resources						
Total Number of Employees as of the end of the year	3,158	2,462	(22.0)%			
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	3.59	0.65	(81.9)%			
Lost-time Case Rate	0.80	0.18	(77.5)%			
Days Away, Restricted, and Transfer (DART) Rate	2.18	0.18	(91.7)%			
Work-related Fatalities	1	-	(100.0)%			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000014	0.0000005	(61.6)%	0.0000014	0.0000005	(61.6)%
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	-	-	-	-	-	-
Waste Products						
Amount of Hazardous Waste Manifested for Disposal (MT)	6.2	1,114.0	*			
Percent of Coal Combustion Products Beneficially Used	7.6 %	39.4 %	418.8 %			

Notes

[A] 100% of Nevada Power Company's and Sierra Pacific Power Company's common voting interest is indirectly held by Berkshire Hathaway Energy.

(1) Includes generation from four hydroelectric generating plants that were sold during 2005.

(2) Includes generation from a facility accounted for as a lease.

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

(4) Excludes 221 MW of Coal Generation Capacity which was in operation during 2005 but was retired on 12/31/2005.

* Percentage not meaningful.