

# 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, 2020*

**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	2020		2005	2020	
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	9,765,523	(9.5)%	10,792,100	9,765,523	(9.5)%
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.774	0.457	(41.0)%	0.774	0.458	(40.9)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned Generation CO2e Emissions (MT)	10,952,666	9,782,248	(10.7)%	10,952,666	9,782,248	(10.7)%
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.785	0.458	(41.7)%	0.785	0.458	(41.6)%
Purchased Power						
Carbon Dioxide (CO2)						
Total Purchased Generation CO2 Emissions (MT)	-	62,580	100.0 %	-	62,580	100.0 %
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	-	0.009	100.0 %	-	0.010	100.0 %
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	9,828,103	(8.9)%	10,792,100	9,828,103	(8.9)%
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.752	0.343	(54.3)%	0.752	0.358	(52.3)%
Carbon Dioxide Equivalent (CO2e)						
Total Owned + Purchased Generation CO2e Emissions (MT)	10,952,666	9,782,248	(10.7)%	10,952,666	9,782,248	(10.7)%
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.763	0.342	(55.2)%	0.763	0.357	(53.2)%
Non-Generation CO2e Emissions						
Fugitive CO2e emissions of sulfur hexafluoride (MT)	Not Available	12,643	Not Available	Not Available	12,643	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	2,330	(88.8)%	20,854	2,330	(88.8)%
Total NOx Emissions Intensity (MT/Net MWh)	0.0014524	0.0000814	(94.4)%	0.0014524	0.0000850	(94.2)%
Sulfur Dioxide (SO2)						
Total SO2 Emissions (MT)	10,813	913	(91.6)%	10,813	913	(91.6)%
Total SO2 Emissions Intensity (MT/Net MWh)	0.0007531	0.0000319	(95.8)%	0.0007531	0.0000333	(95.6)%
Mercury (Hg)						
Total Hg Emissions (kg)	42	-	(100.0)%	42	-	(100.0)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000029	-	(100.0)%	0.0000029	-	(100.0)%

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	Baseline	Current Year	% Change	Baseline	Current Year	% Change
	2005	2020		2005	2020	
Net Generation						
Net Generation for the data year (MWh)	14,357,880	28,641,452	99.5 %	14,357,880	27,424,064	91.0 %
Coal	9,104,956	865,482	(90.5)%	9,104,956	865,482	(90.5)%
Natural Gas	4,808,759	22,595,947	369.9 %	4,808,759	22,595,947	369.9 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	442,666	5,154,218	*	442,666	3,936,830	789.3 %
Biomass/Biogas	-	54,190	100.0 %	-	54,190	100.0 %
Geothermal	-	2,001,265	100.0 %	-	2,001,265	100.0 %
Hydroelectric	442,666	437,860	(1.1)%	442,666	437,860	(1.1)%
Solar	-	2,330,495	100.0 %	-	1,113,107	100.0 %
Wind	-	330,408	100.0 %	-	330,408	100.0 %
Other	-	25,805	100.0 %	-	25,805	100.0 %
Owned Net Generation for the data year (MWh)	13,948,571	21,376,940	53.3 %	13,948,571	21,340,572	53.0 %
Coal	9,104,956	865,482	(90.5)%	9,104,956	865,482	(90.5)%
Natural Gas	4,808,759	20,409,107	324.4 %	4,808,759	20,409,107	324.4 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	33,357	76,546	129.5 %	33,357	40,178	20.4 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric <sup>(1)</sup>	33,357	-	(100.0)%	33,357	-	(100.0)%
Solar <sup>(2)</sup>	-	76,546	100.0 %	-	40,178	100.0 %
Wind	-	-	-	-	-	-
Other	-	25,805	100.0 %	-	25,805	100.0 %
Purchased Net Generation for the data year (MWh)	409,309	7,264,512	*	409,309	6,083,492	*
Coal	-	-	-	-	-	-
Natural Gas	-	2,186,840	100.0 %	-	2,186,840	100.0 %
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	409,309	5,077,672	*	409,309	3,896,652	852.0 %
Biomass/Biogas	-	54,190	100.0 %	-	54,190	100.0 %
Geothermal	-	2,001,265	100.0 %	-	2,001,265	100.0 %
Hydroelectric	409,309	437,860	7.0 %	409,309	437,860	7.0 %
Solar	-	2,253,949	100.0 %	-	1,072,929	100.0 %
Wind	-	330,408	100.0 %	-	330,408	100.0 %
Other	-	-	-	-	-	-

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	Baseline	Current Year	% Change	Baseline	Current Year	% Change
	2005	2020		2005	2020	
Generation Capacity and Other						
Owned Generation Capacity at end of year (MW) <sup>(3)</sup>	4,111	5,756	40.0 %			
Coal <sup>(4)</sup>	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	\$ 675,000,000	14.3 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	82,239	292,097	255.2 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 14,047,000	\$ 31,468,023	124.0 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	99.486 %	100.0 %			
Commercial	128,374	158,884	23.8 %			
Industrial	1,601	1,655	3.4 %			
Residential	929,225	1,165,536	25.4 %			
Human Resources						
Total Number of Employees as of the end of the year	3,158	2,399	(24.0)%			
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	0.69	(80.8)%			
Lost-time Case Rate	0.80	0.19	(76.3)%			
Days Away, Restricted, and Transfer (DART) Rate	2.18	0.19	(91.3)%			
Work-related Fatalities	1	-	(100.0)%			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000014	0.0000005	(66.7)%	0.0000014	0.0000005	(66.7)%
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	-	-	-	-	-	-
Waste Products						
Amount of Hazardous Waste Manifested for Disposal (MT)	6.2	57.5	835.0 %			
Percent of Coal Combustion Products Beneficially Used	7.6 %	- %	(100.0)%			

## 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.