

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, 2021*

Disclaimer: *Data included herein is based on information available as of April 25, 2022, 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		Baseline	Current Year	
	2005	2021	% Change	2005	2021	% 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)	10,792,100	9,510,489	(11.9)%	10,792,100	9,510,489	(11.9)%
Total Owned Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.774	0.451	(41.7)%	0.774	0.452	(41.6)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned Generation CO ₂ e Emissions (MT)	10,952,666	9,527,616	(13.0)%	10,952,666	9,527,616	(13.0)%
Total Owned Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.785	0.452	(42.4)%	0.785	0.453	(42.3)%
Purchased Power ⁽⁵⁾						
Carbon Dioxide (CO ₂)						
Total Purchased Generation CO ₂ Emissions (MT)	-	120,267	100.0 %	-	120,267	100.0 %
Total Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	-	0.015	100.0 %	-	0.018	100.0 %
Carbon Dioxide Equivalent (CO ₂ e)						
Total Purchased Generation CO ₂ e Emissions (MT)	-	120,389	100.0 %	-	120,389	100.0 %
Total Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	-	0.015	100.0 %	-	0.018	100.0 %
Owned Generation + Purchased Power						
Carbon Dioxide (CO ₂)						
Total Owned + Purchased Generation CO ₂ Emissions (MT)	10,792,100	9,630,756	(10.8)%	10,792,100	9,630,756	(10.8)%
Total Owned + Purchased Generation CO ₂ Emissions Intensity (MT/Net MWh)	0.752	0.330	(56.1)%	0.752	0.346	(54.0)%
Carbon Dioxide Equivalent (CO ₂ e)						
Total Owned + Purchased Generation CO ₂ e Emissions (MT)	10,952,666	9,648,005	(11.9)%	10,952,666	9,648,005	(11.9)%
Total Owned + Purchased Generation CO ₂ e Emissions Intensity (MT/Net MWh)	0.763	0.331	(56.6)%	0.763	0.346	(54.6)%
Non-Generation CO₂e Emissions						
Fugitive CO ₂ e emissions of sulfur hexafluoride (MT)	Not Available	13,801	Not Available	Not Available	13,801	Not Available
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)	20,854	2,876	(86.2)%	20,854	2,876	(86.2)%
Total NO _x Emissions Intensity (MT/Net MWh)	0.0014524	0.0000986	(93.2)%	0.0014524	0.0001033	(92.9)%
Sulfur Dioxide (SO₂)						
Total SO ₂ Emissions (MT)	10,813	1,875	(82.7)%	10,813	1,875	(82.7)%
Total SO ₂ Emissions Intensity (MT/Net MWh)	0.0007531	0.0000643	(91.5)%	0.0007531	0.0000673	(91.1)%
Mercury (Hg)						
Total Hg Emissions (kg)	42	1	(97.6)%	42	1	(97.6)%
Total Hg Emissions Intensity (kg/Net MWh)	0.0000029	0.0000000	(98.8)%	0.0000029	0.0000000	(98.8)%

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	Baseline	Current Year		Baseline	Current Year	
	2005	2021	% Change	2005	2021	% Change
Net Generation						
Net Generation for the data year (MWh)	14,357,880	29,158,785	103.1 %	14,357,880	27,847,212	94.0 %
Coal	9,104,956	1,221,779	(86.6)%	9,104,956	1,221,779	(86.6)%
Natural Gas	4,808,759	21,936,546	356.2 %	4,808,759	21,936,546	356.2 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	442,666	5,972,340	*	442,666	4,660,767	952.9 %
Biomass/Biogas	-	50,229	100.0 %	-	50,229	100.0 %
Geothermal	-	1,926,258	100.0 %	-	1,926,258	100.0 %
Hydroelectric	442,666	439,017	(0.8)%	442,666	439,017	(0.8)%
Solar	-	3,216,891	100.0 %	-	1,905,318	100.0 %
Wind	-	339,945	100.0 %	-	339,945	100.0 %
Other	-	28,120	100.0 %	-	28,120	100.0 %
Owned Net Generation for the data year (MWh)	13,948,571	21,077,468	51.1 %	13,948,571	21,046,957	50.9 %
Coal	9,104,956	1,221,779	(86.6)%	9,104,956	1,221,779	(86.6)%
Natural Gas	4,808,759	19,759,722	310.9 %	4,808,759	19,759,722	310.9 %
Nuclear	-	-	-	-	-	-
Petroleum	1,499	-	(100.0)%	1,499	-	(100.0)%
Total Renewable Energy Resources	33,357	67,847	103.4 %	33,357	37,336	11.9 %
Biomass/Biogas	-	-	-	-	-	-
Geothermal	-	-	-	-	-	-
Hydroelectric ⁽¹⁾	33,357	-	(100.0)%	33,357	-	(100.0)%
Solar ⁽²⁾	-	67,847	100.0 %	-	37,336	100.0 %
Wind	-	-	-	-	-	-
Other	-	28,120	100.0 %	-	28,120	100.0 %
Purchased Net Generation for the data year (MWh) ⁽⁵⁾	409,309	8,081,317	*	409,309	6,800,255	*
Coal	-	-	-	-	-	-
Natural Gas	-	2,176,824	100.0 %	-	2,176,824	100.0 %
Nuclear	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-
Total Renewable Energy Resources	409,309	5,904,493	*	409,309	4,623,431	*
Biomass/Biogas	-	50,229	100.0 %	-	50,229	100.0 %
Geothermal	-	1,926,258	100.0 %	-	1,926,258	100.0 %
Hydroelectric	409,309	439,017	7.3 %	409,309	439,017	7.3 %
Solar	-	3,149,044	100.0 %	-	1,867,982	100.0 %
Wind	-	339,945	100.0 %	-	339,945	100.0 %
Other	-	-	-	-	-	-

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	Baseline	Current Year		Baseline	Current Year	
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Generation Capacity and Other						
Owned Generation Capacity at end of year (MW)⁽³⁾	4,111	5,829	41.8 %			
Coal ⁽⁴⁾	840	261	(68.9)%			
Natural Gas	3,209	5,528	72.3 %			
Nuclear	-	-	-			
Petroleum	62	-	(100.0)%			
Total Renewable Energy Resources	-	35	100.0 %			
Biomass/Biogas	-	-	-			
Geothermal	-	-	-			
Hydroelectric	-	-	-			
Solar	-	35	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	\$ 749,000,000	26.8 %			
Incremental Annual Electricity Savings from EE Measures (MWh)	82,239	259,181	215.2 %			
Incremental Annual Investment in Electric EE Programs (nominal dollars)	14,047,000	33,140,251	135.9 %			
Percent of Total Electric Customers with Smart Meters (at end of year)	0.000 %	99.500 %	100.0 %			
Retail Electric Customer Count (at end of year)						
Commercial	128,374	160,835	25.3 %			
Industrial	1,601	1,604	0.2 %			
Residential	929,225	1,187,738	27.8 %			
Human Resources						
Total Number of Employees as of the end of the year	3,158	2,270	(28.1)%			
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	0.73	(79.7)%			
Lost-time Case Rate	0.80	0.17	(78.8)%			
Days Away, Restricted, and Transfer (DART) Rate	2.18	0.17	(92.2)%			
Work-related Fatalities	1	-	(100.0)%			
Fresh Water Resources						
Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000014	0.0000004	(68.2)%	0.0000014	0.0000004	(68.2)%
Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	-	-	-	-	-	-
Waste Products						
Amount of Hazardous Waste Manifested for Disposal (MT)	6.2	7.4	20.5 %			
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 that was accounted for as a lease until it was acquired in December 2021.

(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.

(5) Excludes purchases, and the associated emissions, from which the fuel source is unknown.

* Percentage not meaningful.