



# Electric Company ESG/Sustainability Quantitative Information

**Parent Company:** Avista Corporation  
**Operating Company(s):** Avista Utilities  
**Business Type(s):** Electrical generation and distribution  
**State(s) of Operation:** ID, WA  
**State(s) with RPS Programs:** WA  
**Regulatory Environment:** Regulated  
**Report Date:** 12/21/2023

Portfolio	EEI Baseline	EEI Prior Reported Years					Current Year
	2005	2017	2018	2019	2020	2021	2022
<b>Owned Nameplate Generation Capacity at end of year (MW)</b>							
Coal	233	233	233	233	233	233	233
Natural Gas	552	555	555	555	555	555	547
Nuclear	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-
Total Renewable Energy Resources	953	991	991	991	995	995	996
Biomass/Biogas	51	51	51	51	51	51	51
Geothermal	-	-	-	-	-	-	-
Hydroelectric	902	940	940	940	944	944	945
Solar	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total</b>	<b>1,739</b>	<b>1,780</b>	<b>1,780</b>	<b>1,780</b>	<b>1,784</b>	<b>1,784</b>	<b>1,776</b>
<b>Net Generation for the data year (MWh) Scope 1 + Scope 3</b>							
Coal	1,770,709	1,423,319	1,389,037	1,582,048	1,220,311	1,521,720	1,619,811
Natural Gas	1,557,418	3,090,056	3,289,220	3,953,871	3,673,474	3,610,615	3,782,327
Nuclear	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-
Total Renewable Energy Resources	5,241,484	5,744,077	6,050,510	5,505,980	5,865,417	6,324,678	6,460,788
Biomass/Biogas	375,016	325,150	373,141	356,065	302,429	359,064	319,369
Geothermal	-	-	-	-	-	-	-
Hydroelectric	4,793,778	5,118,061	5,348,045	4,804,872	5,109,874	5,137,342	5,427,072
Solar	-	486	2,152	42,907	45,815	43,979	35,404
Wind	72,690	300,380	327,172	302,136	407,299	784,293	678,943
Other	4,727,481	2,195,037	2,218,771	1,876,316	1,830,016	1,213,435	1,670,522
<b>Total</b>	<b>13,297,092</b>	<b>12,452,489</b>	<b>12,947,538</b>	<b>12,918,215</b>	<b>12,589,218</b>	<b>12,670,448</b>	<b>13,533,448</b>
<b>Owned Net Generation for the data year (MWh) Scope 1</b>							
Coal	1,770,709	1,423,319	1,389,037	1,582,048	1,220,311	1,521,720	1,619,811
Natural Gas	1,557,418	1,762,809	1,697,829	2,155,469	1,988,395	1,790,247	2,129,707
Nuclear	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-
Total Renewable Energy Resources	3,948,993	4,268,177	4,366,311	3,835,996	3,915,351	3,921,302	4,235,104
Biomass/Biogas	338,170	290,117	336,936	316,112	264,851	322,814	305,511
Geothermal	-	-	-	-	-	-	-
Hydroelectric	3,610,823	3,978,060	4,029,375	3,519,884	3,650,500	3,598,488	3,929,593
Solar	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
<b>Total</b>	<b>7,277,120</b>	<b>7,454,305</b>	<b>7,453,177</b>	<b>7,573,513</b>	<b>7,124,057</b>	<b>7,233,269</b>	<b>7,984,622</b>
<b>Purchased Net Generation for the data year (MWh) Scope 3</b>							
Coal	-	-	-	-	-	-	-
Natural Gas	-	1,327,247	1,591,391	1,798,402	1,685,079	1,820,368	1,652,620
Nuclear	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-
Total Renewable Energy Resources	1,292,491	1,475,900	1,684,199	1,669,984	1,950,066	2,403,376	2,225,684
Biomass/Biogas	36,846	35,033	36,205	39,953	37,578	36,250	13,858
Geothermal	-	-	-	-	-	-	-
Hydroelectric	1,182,955	1,140,001	1,318,670	1,284,988	1,459,374	1,538,854	1,497,479
Solar	-	486	2,152	42,907	45,815	43,979	35,404
Wind	72,690	300,380	327,172	302,136	407,299	784,293	678,943
Other	4,727,481	2,195,037	2,218,771	1,876,316	1,830,016	1,213,435	1,670,522
<b>Total</b>	<b>6,019,972</b>	<b>4,998,184</b>	<b>5,494,361</b>	<b>5,344,702</b>	<b>5,465,161</b>	<b>5,437,179</b>	<b>5,548,826</b>

Note: Data sourced from EPA GHG MRR Subparts C, D, W, and DD; EIA Form 861; SEC form 10-K; and FERC Form 1.  
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	EEI Baseline	EEI Prior Reported Years					Current Year
Portfolio	2005	2017	2018	2019	2020	2021	2022
<b>Capital Expenditures and Energy Efficiency (EE)</b>							
Total Annual Capital Expenditures (nominal dollars)	\$ 259,675,718	\$ 406,201,555	\$ 420,377,970	\$ 439,249,001	\$ 399,504,892	\$ 441,862,369	\$ 449,340,115
Incremental Annual Electricity Savings from EE Measures (MWh)	56,571	115,687	73,186	66,933	40,897	55,816	37,948
Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 4,500,000	\$ 32,775,000	\$ 24,923,000	\$ 21,678,737	\$ 17,343,392	\$ 19,322,449	\$ 18,856,706
<b>Retail Electric Customer Count (at end of year)</b>							
Commercial	37,282	42,153	42,618	42,930	43,399	44,110	44,578
Industrial	1,407	1,328	1,318	1,305	1,297	1,205	1,194
Residential	294,036	334,848	340,308	345,064	349,890	356,387	361,606
<b>Emissions</b>							
<b>GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)</b>							
<b>Owned Generation (1) (2) (3) Scope 1</b>							
Carbon Dioxide (CO2)							
Total Owned Generation CO2 Emissions (MT)	2,353,791	2,070,820	2,049,381	2,346,316	1,949,751	2,183,371	2,435,731
Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.323	0.278	0.275	0.310	0.274	0.302	0.305
Carbon Dioxide Equivalent (CO2e)							
Total Owned Generation CO2e Emissions (MT)	2,371,430	2,093,789	2,072,194	2,371,368	1,968,205	2,204,752	2,458,675
Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.326	0.281	0.278	0.313	0.276	0.305	0.308
<b>Purchased Power (4) Scope 3</b>							
Carbon Dioxide (CO2)							
Total Purchased Generation CO2 Emissions (MT)	1,934,718	1,158,821	1,262,042	1,226,640	1,173,903	1,024,121	1,117,560
Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.232	0.230	0.230	0.215	0.188	0.201
Carbon Dioxide Equivalent (CO2e)							
Total Purchased Generation CO2e Emissions (MT)	1,934,783	1,163,296	1,266,681	1,231,075	1,178,206	1,026,863	1,120,515
Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.321	0.233	0.231	0.230	0.216	0.189	0.202
<b>Owned Generation + Purchased Power Scope 1 + Scope 3</b>							
Carbon Dioxide (CO2)							
Total Owned + Purchased Generation CO2 Emissions (MT)	4,288,509	3,229,641	3,311,423	3,572,956	3,123,654	3,207,492	3,553,290
Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.323	0.259	0.256	0.277	0.248	0.253	0.263
Carbon Dioxide Equivalent (CO2e)							
Total Owned + Purchased Generation CO2e Emissions (MT)	4,306,213	3,257,085	3,338,875	3,602,443	3,146,411	3,231,615	3,579,190
Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.324	0.262	0.258	0.279	0.250	0.255	0.264
<b>Non-Generation CO2e Emissions of Sulfur Hexafluoride (SF6) (5)</b>							
Total CO2e emissions of SF6 (MT)	N/A	N/A	11,996	4,917	1,015	8,010	1,609
Leak rate of CO2e emissions of SF6 (MT/Net MWh)	N/A	N/A	0.000927	0.000381	0.000081	0.000632	0.000119
<b>Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)</b>							
Generation basis for calculation (6)	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1	Total Scope 1
<b>Nitrogen Oxide (NOx)</b>							
Total NOx Emissions (MT)	3,954	1,549	1,588	1,684	1,247	1,602	1,869
Total NOx Emissions Intensity (MT/Net MWh)	0.000543	0.000208	0.000213	0.000222	0.000175	0.000221	0.000234
<b>Sulfur Dioxide (SO2)</b>							
Total SO2 Emissions (MT)	776	636	598	675	245	554	685
Total SO2 Emissions Intensity (MT/Net MWh)	0.000107	0.000085	0.000080	0.000089	0.000034	0.000077	0.000086
<b>Mercury (Hg)</b>							
Total Hg Emissions (kg)	200.91	5.85	5.28	5.77	4.26	4.69	5.57
Total Hg Emissions Intensity (kg/Net MWh)	0.000028	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001

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Resources	EEI Baseline	EEI Prior Reported Years					Current Year
	2005	2017	2018	2019	2020	2021	2022
<b>Human Resources</b>							
Total Number of Employees	1,406	1,738	1,763	1,791	1,798	1,809	1,767
Percentage of Women in Total Workforce	29.7%	28.5%	28.5%	28.9%	29.7%	29.0%	28.9%
Percentage of Minorities in Total Workforce	6.2%	7.9%	8.2%	7.8%	8.1%	8.2%	8.7%
Total Number on Board of Directors/Trustees	11	11	10	11	11	11	11
Percentage of Women on Board of Directors/Trustees	18.2%	36.4%	40.0%	36.4%	36.4%	45.5%	45.5%
Percentage of Minorities on Board of Directors/Trustees	9.1%	9.1%	10.0%	9.1%	9.1%	18.2%	18.2%
<b>Employee Safety Metrics</b>							
Recordable Incident Rate	6.20	3.96	4.80	3.21	3.27	3.88	3.38
Lost-time Case Rate	0.32	1.52	1.68	1.31	1.49	1.61	1.84
Days Away, Restricted, and Transfer (DART) Rate	0.32	2.38	2.28	2.02	1.90	2.27	2.49
Work-related Fatalities	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Fresh Water Resources used in Thermal Power Generation Activities</b>							
Water Withdrawals - Consumptive (Millions of Gallons)	7,094	5,990	5,854	6,177	4,938	5,302	6,388
Water Withdrawals - Non-Consumptive (Millions of Gallons)	38	57	63	63	60	69	91
Water Withdrawals - Consumptive Rate (Millions of Gallons/Net MWh)	0.001935	0.001723	0.001710	0.001524	0.001421	0.001459	0.001575
Water Withdrawals - Non-Consumptive Rate (Millions of Gallons/Net MWh)	0.000010	0.000016	0.000019	0.000016	0.000017	0.000019	0.000022
<b>Waste Products</b>							
Amount of Hazardous Waste Manifested for Disposal (in Pounds)	6,100	22,651	34,925	32,276	13,180	6,948	7,366
Percent of Coal Combustion Products Beneficially Used	0%	0%	0%	0%	0%	0%	0%

**Key:**  
MT = metric tons  
1 lb. = 453.59 grams  
1 tonne = 1,000,000.00 grams  
1 metric ton = 1.1023 short tons  
Total output-based emissions factor = CO2 - 600 lb/MWh; CO2e - 603.8 lb/MWh, emission factor from eGRID 2020 GHG Annual Output Emission Rates, WECC Northwest.

**Notes:**  
(1) Generation and emissions are adjusted for equity ownership share to reflect the percentage of output owned by reporting entity.  
(2) CO2 and CO2e emissions intensity should be reported using total system generation (net MWh) based on EEI GHG worksheet.  
(3) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subparts C and D).  
(4) Purchased power emissions should be calculated using the most relevant and accurate of the following methods:  
For direct purchases, such as PPAs, use the direct emissions data as reported to EPA.  
For market purchases where emissions are unknown, use applicable regional or national emissions rate:  
- ISO/RTO-level emission factors  
- Climate Registry emission factors  
- E-Grid emission factors  
(5) As reported to EPA under the mandatory GHG Reporting Protocols (40 CFR Part 98, Subpart DD).  
(6) Indicate the generation basis for calculating SO2, NOx, and Hg emissions and intensity.  
Fossil: Fossil Fuel Generation Only  
Total: Total System Generation (Scope 1)  
Other: Other (please specify in comment section)

**Total CO2e is calculated using the following global warming potentials from the IPCC Fourth Assessment Report:**  
CO2 = 1  
CH4 = 25  
N2O = 298  
SF6 = 22,800