



Electric Company ESG/Sustainability Quantitative Information

Parent Company: Avista Corp.
Operating Company(s): Avista Utilities
Business Type(s): Electrical generation and distribution
State(s) of Operation: ID, OR, WA
State(s) with RPS Programs: OR, WA
Regulatory Environment: regulated
Report Date: 12/31/2019

Ref. No.		Baseline	Last Year	Current Year
		2005	2017	2018
Portfolio				
1	Owned Nameplate Generation Capacity at end of year (MW)			
1.1	Coal	233.4	233.4	233.4
1.2	Natural Gas	552.3	555.1	555.1
1.3	Nuclear			
1.4	Petroleum			
1.5	Total Renewable Energy Resources			
1.5.1	Biomass/Biogas	50.7	50.7	50.7
1.5.2	Geothermal			
1.5.3	Hydroelectric	902.4	940.4	940.4
1.5.4	Solar			
1.5.5	Wind			
1.6	Other			
2	Net Generation for the data year (MWh)			
2.1	Coal	1,770,709	1,423,319	1,389,037
2.2	Natural Gas	1,770,709	3,116,151	3,289,220
2.3	Nuclear			
2.4	Petroleum			
2.5	Total Renewable Energy Resources			
2.5.1	Biomass/Biogas	375,016	325,150	371,366
2.5.2	Geothermal			
2.5.3	Hydroelectric	4,793,878	5,232,899	5,395,097
2.5.4	Solar		486	2,152
2.5.5	Wind	72,690	300,380	327,172
2.6	Other	4,727,381	2,053,067	2,096,653
2.i	Owned Net Generation for the data year (MWh)			
2.1.i	Coal	1,770,709	1,423,319	1,389,037
2.2.i	Natural Gas	1,612,702	1,762,809	1,697,829
2.3.i	Nuclear			
2.4.i	Petroleum			
2.5.i	Total Renewable Energy Resources			
2.5.1.i	Biomass/Biogas	338,170	290,117	336,936
2.5.2.i	Geothermal			
2.5.3.i	Hydroelectric	3,610,823	3,977,023	4,029,375
2.5.4.i	Solar			
2.5.5.i	Wind			
2.6.i	Other			
2.ii	Purchased Net Generation for the data year (MWh)			
2.1.ii	Coal			
2.2.ii	Natural Gas		1,353,342	1,591,391
2.3.ii	Nuclear			
2.4.ii	Petroleum			
2.5.ii	Total Renewable Energy Resources			
2.5.1.ii	Biomass/Biogas	36,846	35,033	34,430
2.5.2.ii	Geothermal			
2.5.3.ii	Hydroelectric	1,183,055	1,255,876	1,365,722
2.5.4.ii	Solar		486	2,152
2.5.5.ii	Wind	72,690	300,380	327,172
2.6.ii	Other	4,727,381	2,053,067	2,096,653
3	Investing in the Future: Capital Expenditures, Energy Efficiency (EE), and Smart Meters			
3.1	Total Annual Capital Expenditures (nominal dollars)	\$ 259,675,102	\$ 406,201,555	\$ 420,377,970
3.2	Incremental Annual Electricity Savings from EE Measures (MWh)	56,571	115,682	73,186
3.3	Incremental Annual Investment in Electric EE Programs (nominal dollars)	\$ 4,500	\$ 32,775	\$ 24,923
3.4	Percent of Total Electric Customers with Smart Meters (at end of year)	N/A	52.8	42.9
4	Retail Electric Customer Count (at end of year)			
4.1	Commercial	37,282	42,154	42,618
4.2	Industrial	1,407	1,328	1,318
4.3	Residential	294,036	334,848	340,308
Emissions				
5	GHG Emissions: Carbon Dioxide (CO2) and Carbon Dioxide Equivalent (CO2e)			
<p>Note: The alternatives available below are intended to provide flexibility in reporting GHG emissions, and should be used to the extent appropriate for each company.</p>				
5.1	Owned Generation			
5.1.1	Carbon Dioxide (CO2)			
5.1.1.1	Total Owned Generation CO2 Emissions (MT)	2,353,791	2,070,820	2,049,381
5.1.1.2	Total Owned Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.278	0.275
5.1.2	Carbon Dioxide Equivalent (CO2e)			
5.1.2.1	Total Owned Generation CO2e Emissions (MT)	2,371,430	2,093,789	2,072,194
5.1.2.2	Total Owned Generation CO2e Emissions Intensity (MT/Net MWh)	0.324	0.281	0.278
5.2	Purchased Power			
5.2.1	Carbon Dioxide (CO2)			
5.2.1.1	Total Purchased Generation CO2 Emissions (MT)	1,934,677	1,116,899	1,225,982
5.2.1.2	Total Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.224	0.226
5.2.2	Carbon Dioxide Equivalent (CO2e)			
5.2.2.1	Total Purchased Generation CO2e Emissions (MT)	1,934,684	1,121,116	1,230,400
5.2.2.2	Total Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.321	0.225	0.227
5.3	Owned Generation + Purchased Power			
5.3.1	Carbon Dioxide (CO2)			
5.3.1.1	Total Owned + Purchased Generation CO2 Emissions (MT)	4,288,468	3,187,718	3,275,363
5.3.1.2	Total Owned + Purchased Generation CO2 Emissions Intensity (MT/Net MWh)	0.321	0.256	0.255
5.3.2	Carbon Dioxide Equivalent (CO2e)			
5.3.2.1	Total Owned + Purchased Generation CO2e Emissions (MT)	4,306,114	3,214,905	3,302,594
5.3.2.2	Total Owned + Purchased Generation CO2e Emissions Intensity (MT/Net MWh)	0.322	0.258	0.257
5.4	Non-Generation CO2e Emissions			
5.4.1	Fugitive CO2e emissions of sulfur hexafluoride (MT)	N/A	11,598	9,888
5.4.2	Fugitive CO2e emissions from natural gas distribution (MT)	N/A	15,615	15,761
6	Nitrogen Oxide (NOx), Sulfur Dioxide (SO2), Mercury (Hg)			
6.1	Generation basis for calculation			
6.2	Nitrogen Oxide (NOx)			
6.2.1	Total NOx Emissions (MT)	1,893	1,549	1,551
6.2.2	Total NOx Emissions Intensity (MT/Net MWh)	0.57	0.46	0.46
6.3	Sulfur Dioxide (SO2)			
6.3.1	Total SO2 Emissions (MT)	824	636	598
6.3.2	Total SO2 Emissions Intensity (MT/Net MWh)	0.25	0.19	0.18
6.4	Mercury (Hg)			
6.4.1	Total Hg Emissions (kg)	0.15	0.12	0.12
6.4.2	Total Hg Emissions Intensity (kg/Net MWh)	0.00	0.00	0.00
Resources				
7	Human Resources			
7.1	Total Number of Employees	1,485	1,744	1,766
7.2	Total Number on Board of Directors/Trustees	11	11	10
7.3	Total Women on Board of Directors/Trustees	2	4	4
7.4	Total Minorities on Board of Directors/Trustees	1	0	0
7.5	Employee Safety Metrics			
7.5.1	Recordable Incident Rate	6.20	4.09	4.86
7.5.2	Lost-time Case Rate	0.32	1.22	1.50
7.5.3	Days Away, Restricted, and Transfer (DART) Rate	0.32	2.26	2.16
7.5.4	Work-related Fatalities	0.00	0.00	0.00
8	Fresh Water Resources			
8.1	Water Withdrawals - Consumptive (Billions of Liters/Net MWh)	0.0000	0.0000	0.0000
8.2	Water Withdrawals - Non-Consumptive (Billions of Liters/Net MWh)	0.0082	0.0084	0.0086
9	Waste Products			
9.1	Amount of Hazardous Waste Manifested for Disposal	6,100	22,651	34,925
9.2	Percent of Coal Combustion Products Beneficially Used	0%	0%	0%

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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