



# **Avista Utilities**

## **Performance Based Ratemaking Metrics**

### **Greenhouse Gas Emissions**

**Metric 1: Carbon intensity CO2e/MWh; CO2e/MW\*, CO2e/customer (E & G)**

Details: this metric is reported on an annual basis. Electric data is not available until June 1<sup>st</sup> of the following year. Natural Gas data is not available until March at the earliest.

Measure	2021 Electric	2022 Electric	2023 Electric	2022 Natural Gas	2023 Natural Gas
CO2e/MWh	0.33	0.34	0.41	N/A	N/A
CO2e/MW*	1,029.35	1,082.70	1,306.99	N/A	N/A
CO2e/Customer**	7.18	7.50	9.0	6.21	6.14

\*CO2e/MW is measured on Avista owned and contracted specified generation by taking the emissions divided by the maximum winter capacity for thermal plants, maximum capability for hydro resources, and PPA project size for wind projects.

\*\*Calculated by taking the emissions divided the number of meters.

**Metric 2: Total emissions from energy delivery systems, including customer direct use**

Details: this metric is reported on an annual basis. Electric data is not available until June 1<sup>st</sup> of the following year. Natural Gas data is not available until March at the earliest.

Total Emissions from Energy Delivery System Including Customer Direct Use		
Year	Electric (MT CO2e)	Natural Gas (MT CO2e)
2021	1,890,797	1,437,565
2022	1,988,787	1,618,103
2023	1,606,415	1,510,104

**Metric 3: Annual utility system CO2e emissions avoided through non-pipe alternative programs**

Details: this metric is reported on an annual basis beginning with calendar year 2023 data.

Year	CO2e Emissions Avoided through Non-Pipe Alternative Programs
2022	N/A
2023	0

**Metric 4: Weighted average days exceeding health levels**

Details: this metric is reported on an annual basis. Data for this metric comes from the United Stated Environmental Protection Agency and has about a one-year delay.

<b>Year</b>	<b>Weighted Avg. Days Exceeding Health Levels</b>
2021	9.8
2022	6
2023	4.2

**Metric 5: Avista plant air emissions**

Details: this metric is reported on an annual basis. Plant air emissions data is not available until March 31<sup>st</sup> each year.

<b>Plant Air Emissions (Metric Tons)</b>				
<b>Year</b>	<b>SO2</b>	<b>Mercury</b>	<b>NOx</b>	<b>VOC</b>
2021	0.2	0.0047	417.9	25.72
2022	0.2	0.0056	416.9	25.76
2023	0.2	0.0057	510	26.64

**Metric 6: Ratio of new gas customers to new electric customers**

Details: this metric is reported on a quarterly basis and is calculated as a year-to-date number as of the end of each quarter.

<b>Ratio of New Natural Gas Customers to New Electric Customers</b>					
<b>Year</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>YTD</b>
2023	49%	39%	44%	45%	44%
2024	48%	29%	33%		35%

**Metric 7: Metric related to decreased wood use for home heating**

Details: this metric is reported on an annual basis beginning with calendar year 2023 data.

<b>Year</b>	<b>Metric Related to Decreased Wood Use for Home Heating</b>
2022	8,003*
2023	

\*Pounds of estimated emissions reduced between 2021-2023. Spokane Regional Clean Air Agency's Wood Stove Replacement Program ran from September 2021 through September 2023.