

ESG Performance Data Definitions

(April 20, 2021)

ENVIRONMENTAL

Water

Water Usage for Generation at APS owned and operated plants

- Groundwater (acre-feet) - Total groundwater consumed at APS owned and operated plants
- Surface Water (acre-feet) - Total surface water consumed at APS owned and operated
- Effluent (acre-feet) - Total effluent consumed at APS owned and operated plants
- Total water (acre-feet) - Total water consumed at APS owned and operated plants
- Intensity (gal/MWh) - Total water consumed at APS owned and operated plants divided by net MWh generated at APS owned and operated plants

Air

Total air emissions from APS owned generation

- CO₂ (metric tons) - Carbon dioxide emitted from APS owned generation
- SO₂ (tons) - Sulfur dioxide emitted from APS owned generation
- NO_X (tons) - Nitrogen oxide emitted from APS owned generation
- PM₁₀ (tons) - Particulate matter emitted from APS owned generation
- Hg (tons)- Mercury emitted from APS owned generation
- CO (tons)- Carbon monoxide emitted from APS owned generation
- Pb (tons)- Lead emitted from APS owned generation
- VOC (tons)- Volatile organic compounds emitted from APS owned generation

Emission rate for APS owned generation

- CO₂ lb/MWh - Carbon dioxide emissions per MWh from APS owned generation
- SO₂ lb/MWh - Sulfur dioxide emissions per MWh from APS owned generation
- NO_X lb/MWh - Nitrogen oxide emissions per MWh from APS owned generation
- PM₁₀ lb/MWh - Particulate matter emissions per MWh from APS owned generation
- Hg lb/GWh - Mercury emitted emissions per MWh from APS owned generation
- CO lb/MWh - Carbon monoxide emissions per MWh from APS owned generation
- Pb lb/GWh - Lead emissions per MWh from APS owned generation
- VOC lb/MWh - Volatile organic compound emissions per MWh from APS owned generation

Waste

Coal Ash

- Coal Ash Generated (tons) - Total ash (bottom and fly) produced by Four Corners and Cholla Power Plants
- Coal Ash Diverted from Landfill (tons) - Coal ash produced and then sold by Four Corners and Cholla Power Plants
- Coal Ash Beneficially Used (percent) - Percent of coal ash from Four Corners and Cholla Power Plants

Radioactive Waste

- Radioactive Waste (cubic feet) - Low-level radioactive waste from Palo Verde Nuclear Generating Station

Hazardous Waste

- Non-Episodic Hazardous Waste Generation (tons) - Hazardous waste generated at APS owned and operated facilities that is from routine operations and maintenance of facilities
- Episodic Hazardous Waste Events Generation (tons) - Episodic hazardous waste generation attributed to large amounts of hazardous waste generated as the result of non-routine facility operations and unplanned waste events

Recycling

- Recycling (lbs) - Includes scrap metal, forestry, small pole and padmount transformers, oil, single stream (co-mingled) recycling, e-waste (including smart meters), and other recycling as captured through Investment Recovery only

PCB Data

- Number of pieces - Total number of PCB containing equipment that is removed from our electrical system for disposal. This equipment may consist of transformers, bushings, capacitors and other electrical components within the transformer-like switches.
- Weight (kilograms) - Total weight in kilograms of PCB containing equipment that is removed from our electrical system for disposal. This equipment may consist of transformers, bushings, capacitors and other electrical components within the transformer-like switches.

Toxic Release Inventory

- Releases to air (thousand pounds) - Data for Four Corners and Cholla Power Plants
- Releases to water (thousand pounds) - Data for Four Corners and Cholla Power Plants
- Releases to land (thousand pounds) - Data for Four Corners and Cholla Power Plants
- Off-Site transfers (thousand pounds) - Data for Four Corners and Cholla Power Plants

SOCIAL

Customers & Communities

- Total Giving - Total amount donated to worthwhile causes
- Volunteer Hours - Estimated number of hours employees volunteer in the community

Safety & Workforce

- OSHA Recordable Injuries - Total number of employees who sustained an OSHA recordable injury
- Employee Engagement Score - Reflects the percentage of employees who feel connected to their own success, success of their teams and the organization as measured by a standardized survey. The surveys are conducted by APS every two to three years.

OPERATIONAL & GOVERNANCE

Environmental Violations

- Reportable Environmental Incidents - The number of reports or notices required to be submitted to a regulatory agency due to a violation of an environmental law, regulation, permit or as a result of a spill, release or any unauthorized discharge.
- Environmental Notices of Violation - A notice received from a regulatory agency that a violation of an environmental law, regulation, or permit has occurred.

Grid Reliability

- SAIFI (System Average Interruption Frequency Index) - Indicates average number of interruptions a customer experiences in a given year

Energy

- Total Energy Sources (MWh) - Includes total generation production and purchased power
- Total Renewable Energy (MWh) - Includes APS-owned solar, purchase-power agreements (solar, wind, geothermal, biogas) and distributed energy
- Annual Energy Efficiency Savings (MWh) - Includes savings generated from customer demand side management programs as reported to the Arizona Corporation Commission in APS's annual DSM progress report

Financial Performance

- Total Shareholder Returns - Total Pinnacle West (PNW) shareholder returns for the fiscal year
- PNW Earnings Per Share - Total Pinnacle West (PNW) earnings per share for the fiscal year