

Sustainability Highlights FY 2022

The Bonneville Power Administration's Sustainability Office drives sustainability strategy, planning, goal-setting, reporting and projects. It enables staff to apply sustainable practices across business lines and fosters a culture of sustainability throughout the agency.

The office leads BPA's response to federal mandates related to carbon reduction and climate resilience, and it facilitates BPA's Sustainability Leadership Committee, which increases agency wide collaboration on sustainability projects to reduce environmental impacts in a manner consistent with BPA's strategic plans and priorities.

For up-to-date information on the sustainability efforts, metrics, articles and more, visit www.bpa.gov/environmental-initiatives/sustainability.



2022 ACCOMPLISHMENTS

Sustainability at BPA is evolving

BPA is taking a deeper look at how to integrate sustainability into the heart of our business to deliver a future that is less reliant on carbon-emitting energy sources. The Sustainability Office is growing and partnering with organizations across the agency to reduce greenhouse gases, electrify its buildings and fleet and incorporate climate resilience into long-term asset management planning.

Climate Change Vulnerability and Resiliency Plan

In September 2022, the Sustainability Office completed BPA's climate vulnerability assessment and resilience plan. The VARP is designed to ensure that BPA anticipates and mitigates the risks that climate change poses to its critical systems. This project supports the requirements of [Executive Order 14008: Tackling the Climate Crisis at Home and Abroad](#) and aligns with BPA's mission to maintain a reliable and stable transmission system for the Pacific Northwest.

Sustainability metrics in review

Fiscal year 2022 saw a return to the office for much of the BPA workforce, with many eligible staff opting for a hybrid work schedule that combines telework with at least one day in the office per week. Even so, BPA's sustainability performance trended in the right direction, with large reductions in energy use and a significant decrease in paper consumption.

ENERGY AND WATER CONSUMPTION



Operational changes due to the pandemic majorly impacted BPA's energy and water consumption.



ELECTRICITY

1% ↓



NATURAL GAS

21% ↓



WATER

11% ↑

Energy consumption dropped considerably in FY 22, mostly due to improved heating controls throughout the building. Water consumption increased due to unexpected leaks at multiple field sites, but BPA's Utilities Management Program and regional field maintenance workers made quick work of fixing them.

SF₆ EMISSION REDUCTION PROGRAM



BPA has maintained an excellent emission rate well below 1% through the exceptional efforts of each individual involved.

SF₆ is a potent greenhouse gas commonly used as an insulator in high-voltage electrical equipment. BPA has been a leader in managing SF₆ for over 20 years, pioneering voluntary tracking and emissions reporting almost a decade before the Environmental Protection Agency required SF₆ monitoring. The SF₆ Emission Tracking program relies on the effort of dedicated individuals throughout BPA, including staff from Supply Chain, Substation Maintenance and Construction, Supplemental Labor, Transmission Engineering and more.

ADDITIONAL METRICS

Category	Unit	FY 2021	FY 2022	% Change
WASTE				
Waste Recovery*	Percent	98%	95%	-3
OFFICE SUPPLY PURCHASES				
Paper	Pounds	36,697	12,120	-67
EPEAT-Registered Electronics**	Units	225	1,825	+711
Non-EPEAT Registered Electronics	Units	50	0	-100
POLLINATORS				
Habitat Planted or Enhanced	Acres	21,584	38,797	+80
FUGITIVE EMISSIONS				
Sulfur Hexafluoride (SF ₆)***	Pounds	2,405	823	-66

* Recovery rate: The percentage of waste that is diverted away from the landfill by recycling, reusing or composting.

** EPEAT is an environmental monitoring and labeling initiative of the Global Electronics Council covering products and services from the technology sector.

*** Reported on a calendar-year basis.



Sustainability Highlights FY 2021