

Sustainability Highlights

FY 2023

The Bonneville Power Administration delivers reliable, affordable and carbon-free hydropower produced in the Columbia River Basin to communities across the Northwest. The organization, committed to being an environmental steward of the Pacific Northwest, works toward resource-efficient policies and practices that deliver long-term, quantifiable value for BPA and its stakeholders. BPA fosters employee engagement and intra-organization coordination while ensuring compliance with federal mandates.

BPA'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 organization. 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 organization 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.



Summary of accomplishments

In FY 23, BPA's Sustainability Office submitted three reports to the Department of Energy Sustainability Performance Office. While the targets in these plans are derived from *Executive Order 14057: Catalyzing Clean Energy Industries and Jobs Through Federal Sustainability*, they are also a continuation of BPA's long-standing practice of environmental stewardship.

- **Carbon Pollution-Free Electricity Plan:** The plan identifies carbon reduction efforts through energy efficiency projects in new and existing BPA buildings. For example, the replacement of two buildings at the Covington District Maintenance Headquarters site represents over 40,000 square feet of updated energy efficiency measures that permanently reduce energy usage. BPA's Net-Zero Buildings Workgroup provided invaluable input to the plan and continues to identify ways to increase efficiency across BPA.
- **Vulnerability Assessment and Resilience Plan Monitoring Report (VARP):** The report details the climate hazards that pose associated risks to BPA assets. Critically, the report includes specific resilience measures to combat risks posed to BPA's vehicle fleet, facility maintenance, transmission services and supply chain. This monitoring report serves as an update to the FY 22 VARP, which was the first climate-centric resilience plan that BPA submitted to DOE.
- **Zero-Emission Vehicle Fleet Strategic Plan:** The plan outlines BPA's long-term strategy to procure electric vehicles and install the necessary charging equipment at its facilities. The Fleet Electrification Workgroup, consisting of cross-organization representatives, carefully considers evolving requirements, the business needs of all stakeholders and BPA's mission.
- **Pollinator Electric Power Award:** BPA's Pollinator Workgroup won a national award from the North American Pollinator Protection Campaign for its efforts to protect pollinators and reducing maintenance costs in BPA's rights-of-way that cross Forest Park in Portland, Oregon.

Awards

- The Pollinator Workgroup won a national Pollinator Electric Power Award for protecting pollinators and reducing maintenance costs in BPA's rights-of-way that cross Portland's Forest Park.
- The VARP team was also honored with a BPA Administrator's Excellence Award (AEA). AEA's were also awarded to Jose Rojas, chair of the Sustainable Materials Workgroup, for his work bringing sustainable concrete to BPA. Nancy Wittpenn was recognized for her work on the Pollinator Workgroup, where she educated BPA employees on the importance of pollinators and created best practices for BPA to protect pollinators in the field.



Pictured right: Josh Rice and Sarah Chadwick (on page 3) represented BPA at the first annual DOE Sustainability Summit in Washington, D.C., in October 2023. They joined other Power Marketing Administrations (PMAs), National Labs, and DOE sites from across the country to share lessons learned on sustainability initiatives.

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Fleet

Category	Unit	FY 22	FY 23	Change from Prior FY	Notes
Charging stations	Plugs	4	4	0%	Installed 14 dual port charging stations at Ross Complex but stations have not gone online.
Electric vehicles (battery electric vehicles [BEVs])	Vehicles	5	7	40%	More BEVs were assigned to BPA's vehicle fleet at its Portland headquarters.
Electric vehicles (plug-in electric hybrid [PHEVs])	Vehicles	2	2	0%	Due to a shortage of PHEVs, BPA did not receive new vehicles of this type in FY 23.
Hybrid vehicles (no plug)	Vehicles	11	10	-9%	Saw a decrease in hybrid vehicles in BPA's Portland headquarters fleet due to rightsizing.

Fuel (Alternative)

Biodiesel	Gallons	16,314	13,794	-15%	Decrease due to non-compatibility issues vehicles experienced in FY 22 with B20 fuel blend. BPA is now focused on using more renewable diesel as there are less issues with this fuel.
Ethanol	Gallons	5,874	4,766	-19%	Decrease due to less ethanol-fueled vehicles in BPA's fleet and general E85/flex-fuel market availability.
Renewable diesel	Gallons	11,834	11,441	-3%	Decrease due to R99 renewable diesel supply and reduced quality issues.

Fuel (Petroleum)

Aviation fuel	Gallons	65,218	57,930	-11%	Decrease due to billing not being completely reconciled for FY 23.
Diesel	Gallons	375,880	488,208	30%	Increase due to size/quantity increase of larger vehicles, which are typically diesel, to reflect growing mission requirements.
Gasoline	Gallons	318,222	385,297	21%	Increase due to end of pandemic-related shutdowns.

Utilities (Facility use only)

Natural gas	Therms	116,476	153,595	32%	Increase due to colder-than-average winter across BPA's service territory.
Purchased electricity	kilowatt-hours	18,358,760	19,798,360	8%	Increase due to colder-than-average winter across BPA's service territory, the construction of new buildings and increased in-person work.
Water	Gallons	24,300,504	22,046,806	-9%	Decrease due to irrigation reductions and sites being offline for construction or repairs.

Waste

Waste to landfill	Short tons	116	135	16%	Increase due to increase of in-person work.
Waste diverted	Short tons	2,253	1,829	-19%	Decrease due to less metal waste in FY 23; therefore, less metal was recycled.

Miscellaneous

Business air travel	Miles	1,026,824	2,483,652	142%	Increase due to additional in-person meetings and conferences.
EPEAT/ENERGY STAR purchased electronics	Units	1,825	2,764	51%	Increase due to renewed leases on many electronics, including laptops, mobile phones, monitors, and TVs.
Pollinator habitat (Planted or Enhanced)	Acres	38,797	44,543	15%	Increase due to more land acres protected by purchase, fencing or leasing.