



The WSU Energy Program is a self-supported unit within the University.

At WSU, we are part of the College of Agricultural, Human and Natural Resource Sciences (CAHNRS).

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Washington State University  
Energy Program  
Olympia, Washington

WSUEEP25-001 • January 2025

## WSU Energy Program

A national leader and catalyst for creating powerful energy solutions

A national leader and catalyst for creating powerful energy solutions. The Washington State University (WSU) Energy Program delivers program management, technical assistance, analytical tools, applied research, and training to meet evolving energy challenges in the Pacific Northwest and beyond.

### Our Clients and Collaborators

- Businesses of all sizes, including minority- and women-owned
- Public and private utilities
- Industrial plants
- State agencies
- Local governments, including school districts, transit agencies, and public ports
- Federal agencies and national laboratories
- Universities
- Tribes
- Professional and trade associations
- Community-based organizations, homeowners, renters, and consumers

### Our Programs



#### Building Efficiency

- We provide technical support and develop education and tools for building department staffs, builders, contractors and designers on the residential sections of the Washington State Energy Code.
- Serve on the Washington energy code technical advisory group.
- Administer the state-wide Community Energy Efficiency Program (CEEP) that provides energy-efficiency upgrades to homes and small businesses.
- Measure performance for high-performance, high-capacity air source heat pumps.

- Test user experience for residential window heat pumps for rental, single family, and multi-family residences.



#### Industrial Efficiency & Onsite Energy

- Manage the Onsite Energy Technical Assistance Partnership, providing no-cost site-specific evaluation of onsite energy generation for industrial and large commercial energy users.
- Provide research, development, and verification for commercial heat pump water heating.



## Renewable Energy

- Implement and administer a community solar program providing \$100 million in incentives over 10 years for solar projects benefiting low-income individuals, low-income service providers, and qualifying Tribal or public agencies.
- Administered a statewide Renewable Energy Incentive Program (RESIP) supporting implementation of solar on residences across the state (\$110 million in payments). The program is fully subscribed, though we continue to support participants.
- Developed a statewide roadmap to support the development of renewable natural gas in Washington.
- Managed the Least-Conflict Solar Siting on the Columbia Plateau Pilot Project (completed 2023) and the Pumped Storage Hydropower (PSH) Siting Information Study (current).



## Facility Support

- Provide education to help resource conservation managers reduce utility costs and increase energy efficiency in public facilities.
- Provide technical assistance to improve energy efficiency and indoor air quality in schools and tribal facilities.



## Food-Energy-Water Linkages & Climate Footprint of Agriculture

- Support Washington's diverse agricultural sectors in understanding their climate impact and the potential to contribute to the state's climate goals.
- Provide technical assistance and education to encourage the development of on-farm bioenergy.
- Partner with the dairy industry to develop a statewide roadmap to reduce climate and energy footprint.



## Technology Evaluation & Technical Assistance

- Work with the Bonneville Power Administration (BPA) to demonstrate the energy savings from new technologies, encouraging market adoption.
- Conduct leading research on advanced water heating systems in partnership with BPA, the Northwest Energy Efficiency Alliance, and Northwest utilities.



## Green Transportation

- Manage Washington's Green Transportation Program, which provides education and technical assistance to help public fleets use cleaner fuels and transition to electric vehicles (EVs).
- Offer resources and guidance to help school districts decide how and when to add electric school buses (ESBs) to their fleets.
- Showcase the benefits of EVs for public service agencies, including refuse, fire, and police vehicles.
- Engage with Native Tribes across the Pacific Northwest to support their interests in battery-electric and fuel-cell transportation alternatives.
- Provide technical assistance to fleets seeking to access state rebates for medium- and heavy-duty vehicles, including for small, and MWBE businesses (in development).



## Energy Expertise Across WSU

- Through partnerships with the Institute for Northwest Energy Futures, across Washington State University and beyond, we can bring expertise relating to hydrogen, nuclear, biofuels, sustainable aviation fuels, grid modernization, energy equity, and more.