

Creating Energy Solutions

Our Mission

To advance environmental and economic well-being by providing unmatched energy services, products, education and information based on world-class research.

About Us

Our staff of approximately 100 people (energy engineers, energy specialists, technical experts, software developers, energy research librarians, and more) works out of our Olympia, Spokane and other satellite offices. Operating similar to a consulting firm, the WSU Extension Energy Program is a self-supported department within the University.

Our Director

Jake Fey served as an energy conservation manager for the City of Tacoma and later for Tacoma Power before signing on to lead the WSU Extension Energy Program in 2002.

Program Areas

- Energy information centers
- Building efficiency
- Industrial & agricultural efficiency
- Renewable energy
- Economic development
- Institutional support
- Technology development & evaluation

WSU's willing and readily available expertise and mentoring have been cornerstones to our corporate greenhouse gas reduction and energy efficiency efforts.

*Don Sturtevant, PE
Corporate Energy Manager
JR Simplot Company, Boise, Idaho*

Our Customers

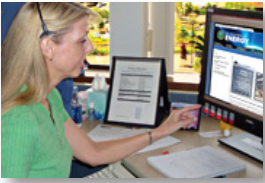
- Large and small businesses
- Public and private utilities
- Local and state governments
- Tribes
- Federal agencies and facilities
- Manufacturing plants
- Professional and trade associations
- Schools, universities and national laboratories
- Consumers

Contact

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Program Highlights

Information Hub

- Operate energy information centers for the U.S. Department of Energy and Western Area Power Administration. We have answered nearly a quarter million inquiries since 1990 – with very high marks for customer satisfaction.
- Manage www.EnergyExperts.org – delivering objective and timely information on energy efficiency and renewable energy – and provide content for the Microsoft® Hohm™ website, www.microsoft-hohm.com.
- Full-service library – one of the few libraries nationwide dedicated to energy-related research. Staff members author weekly *Energy Newsbriefs*, an electronic newsletter profiling emerging trends in energy.

Building Efficiency

- Provide technical support – including over 100 trainings – to building department employees, builders, sub-contractors and designers on the residential sections of the 2009 *Washington State Energy Code*. Develop worksheets and other compliance tools, as well as an update of the *Builder's Field Guide*.
- Design and evaluate hundreds of energy-efficient homes constructed in the Pacific Northwest as part of the U.S. Department of Energy's Building America Industrialized Housing Partnership.
- Partner with WSU Wood Materials and Engineering Laboratory to operate a Puyallup facility for testing heat, air and moisture-transport characteristics of exterior walls.

Industrial & Agricultural Efficiency

- Provide industrial plants in the Pacific Northwest with technical assistance, project support, energy-saving plant assessments and training – at little or no cost.
- Implement the Washington Farm Energy Program in cooperation with the U.S. and Washington State Departments of Agriculture, the Washington State Conservation Commission and the Washington State Dairy Federation. Services will include farm energy software, energy assessments and funding resources.

Renewable Energy

- Operate the Northwest Clean Energy Application Center – one of eight centers established by the U.S. Department of Energy to promote combined heat and power, district energy, and waste energy recovery technologies and practices.
- Provide technical expertise to the Washington State Department of Revenue in certifying solar energy systems that qualify for production incentives specified in Washington State Senate Bill 5101.
- Lead the six-state Pacific Region Bioenergy Partnership.

Economic Development

- Research trends and workforce issues in the renewable energy and energy-efficiency industries in Washington in collaboration with the Center of Excellence for Energy Technology at Centralia College.
- Administer \$14.5 million in grants from the American Recovery and Reinvestment Act to eight private

and public projects that are providing energy efficiency upgrades to middle-income homes and small businesses. Among the selection criteria was the ability of projects to create or retain jobs in Washington.

Institutional Support

- Manage Plant Operations Support Consortium – comprised of state agencies, educational facilities, municipalities, port districts and others – to advocate best practices, organizational standards and use of surplus/salvage materials.
- Facilitate start-up of several shared Resource Conservation Manager (RCM) programs throughout Washington. In these shared programs, one RCM works with two or more local jurisdictions to reduce utility costs and increase resource efficiency of all partners.
- Provide technical assistance to improve energy efficiency and indoor air quality (IAQ) in schools, and offer IAQ training and technical support to tribes in Idaho, Oregon and Washington.

Technology Development & Evaluation

- Under contract with the Bonneville Power Administration, demonstrate the effectiveness of promising new technologies that save electric energy. Results will be shared to encourage market adoption in the Pacific Northwest.
- Develop software for analyzing energy system improvements. Examples include *AIRMaster+*, *MotorMaster+*, *HeatMap* and *RELCOST Financial*. *MotorMaster+ International* is now available in six languages.