Delivering Energy Savings for Washington State Industries

Industrial energy services at the Washington State University Energy Program

Deep history • Broad expertise • The trust of industry leaders

The Washington State University (WSU) Energy Program has been in the industrial energy efficiency business for over two decades. Our energy engineers provide reliable, unbiased and consistent technical expertise trusted by industrial leaders throughout the Pacific Northwest.

Deep history
The WSU Energy Program was a part of a regional team funded by the U.S. Department of Energy (U.S. DOE) that offered technical assistance, project support, energy-saving plant assessments and training to Pacific Northwest industrial facilities. These services were provided at little or no cost to the participating companies, thanks to prudent expenditures of the original funding along with strategic leveraging of utility funds.

Broad expertise
The WSU Energy Program has provided extensive support for Washington industrial businesses.
This support includes:

- Energy efficiency technical consultations
- Plant energy assessments
- Industrial best practices trainings
- Support for combined heat and power projects

These services are integral to the success of projects including the Northwest Clean Energy Application Center, which the WSU Energy Program runs for U.S. DOE, and our past Industrial Efficiency Services Program that was funded through energy overcharge settlements.

**Trust of industry leaders**
The WSU Energy Program industrial energy team members are renowned for their positive approach and down-to-earth expertise. They are effective mentors for industry teams, helping them reduce greenhouse gas emissions and improve energy efficiency.

U.S. DOE identified the WSU Energy Program as one of the five top-performing state-level industrial energy programs in the nation.

**Looking ahead**
The WSU Energy Program is well-positioned to establish an Industrial Energy Services Center as articulated in Executive Order 14-04 issued by Governor Jay Inslee.

The WSU Energy Program would:

- Develop and launch an Industrial Energy Services Center
- Provide technical assistance to industries in the state, drawing on a range of engineering and energy specialist staff, including U.S. DOE Qualified Specialists with expertise in all major industrial process types – including motors, compressed air, steam, process heat, pumps, fans and refrigeration systems
- Conduct energy efficiency systems training from energy systems engineers and outside experts
- Perform on-site energy system assessments with recommendations for, and financial analysis of, energy efficiency improvements
- Develop and provide industrial newsletters and webinars on energy efficient products, strategies and emerging technologies
- Continue the successful Washington Industrial Energy Leaders Awards Program
- Provide financial incentives to catalyze efficiency projects and technology demonstrations
- Implement a student internship program

**Building on Recent Success**
Seed Money + Smart Leveraging = Synergistic Savings

When the WSU Energy Program received $1,627,663 in Enron restitution funds from the Washington State Attorney General’s Office, our team used those funds to kick-start energy efficiency projects at 39 industrial companies throughout the State of Washington.

The WSU Energy Program leveraged an additional $3,681,881 – more than double our contribution – of utility funds to help bring down the total cost of these energy efficiency projects for the participating companies.

The annual energy cost savings for these efficiency projects is estimated at $1,617,290. This means that for nearly every incentive dollar awarded, an equal number of dollars were saved by reducing energy expenditures for Washington state industrial businesses.

And these energy cost savings are annual savings – in just ten years, these energy projects will see a 100 percent return on investment.

The money saved on energy costs will help the companies maintain their competitive edge and keep jobs in the State of Washington.
Companies that received incentive funds through the WSU Energy Program and funds leveraged through their serving utilities as part of a past industrial program

**Arclin, Tacoma**
WSU Energy Program incentive: $7,124
Utility incentive: $61,960

**Calbag Metal, Tacoma**
WSU Energy Program incentive: $5,720
Utility incentive: $9,326

**CM Holtzinger Fruit Co, Yakima**
WSU Energy Program incentive: $24,510
Utility incentive: $28,375

**ConAgra Foods, Pasco**
WSU Energy Program incentive: $100,000
Utility incentive: $51,334

**Commencement Bay Corrugated, Orting**
WSU Energy Program incentive: $20,000
Natural gas project; no utility incentive available

**Crystalite, Everett**
WSU Energy Program incentive: $10,000
Utility incentive: $14,041

**Davis Wire, Kent**
WSU Energy Program incentive: $15,000
Natural gas project; no utility incentive available

**Del Monte Foods, Toppenish**
WSU Energy Program incentive: $100,000
Natural gas project; no utility incentive available

**Del Monte Foods, Yakima**
WSU Energy Program incentive: $41,929
Utility incentive: $93,431

**Genie Industries, Redmond**
WSU Energy Program incentive: $38,000
Utility incentive: $79,716

**Gillaspie Manufacturing, Vancouver**
WSU Energy Program incentive: $5,100
Utility incentive: $6,897

**Globe Machine, Tacoma**
WSU Energy Program incentive: $10,000
Utility incentive: $52,380

Grays Harbor Paper, Hoquiam  
WSU Energy Program incentive: $90,118  
Natural gas project; no utility incentive available

Hampton Lumber, Darrington  
WSU Energy Program incentive: $34,392  
Utility incentive: $314,470

Hampton Lumber, Morton  
WSU Energy Program incentive: $30,757  
Natural gas project; no utility incentive available

Hops Extract Corp of America, Yakima  
WSU Energy Program incentive: $60,400  
Natural gas project; no utility incentive available

Inland NW Lighthouse, Spokane  
WSU Energy Program incentive: $20,786  
Utility incentive: $14,554

J.R. Simplot Company, Othello  
WSU Energy Program incentive: $100,000  
Utility incentive: $397,793

KIK Products, Tacoma  
WSU Energy Program incentive: $15,810  
Utility incentive: $30,218

Linear Technology, Vancouver  
WSU Energy Program incentive: $41,650  
Natural gas project; no utility incentive available

Nature’s Path Foods, Blaine  
WSU Energy Program incentive: $33,750  
Natural gas project; no utility incentive available

* NORPAC (Weyerhaeuser), Longview  
WSU Energy Program incentive: $70,000  
Utility incentive: $154,711

Norstar (dba Real Foods), Seattle  
WSU Energy Program incentive: $17,754  
Natural gas project; no utility incentive available

Nutriom LLC, Lacey  
WSU Energy Program incentive: $34,086  
Utility incentive: $500,000

Oberto Sausage, Kent  
WSU Energy Program incentive: $11,100  
Utility incentive: $33,082

Peninsula Plywood LLC, Port Angeles  
WSU Energy Program incentive: $10,553  
Utility incentive: $50,478

Seafreeze Cold Storage, Seattle  
WSU Energy Program incentive: $50,000  
Natural gas project; no utility incentive available

SEH America, Vancouver  
WSU Energy Program incentive: $20,000  
Utility incentive: $39,755

* Shields Bag & Printing, Yakima  
WSU Energy Program incentive: $50,000  
Utility incentive: $117,000

* Stemilt Growers, Wenatchee  
WSU Energy Program incentive: $57,292  
Utility incentive: $372,376

SVZ USA, Inc., Othello  
WSU Energy Program incentive: $9,450  
Natural gas project; no utility incentive available

Thomas Machine and Foundry, Marysville  
WSU Energy Program incentive: $10,000  
Utility incentive: $8,790

* Trident Seafoods, Anacortes  
WSU Energy Program Incentive: $38,500  
Natural gas project; no utility incentive available

Trident Seafoods, Seattle  
WSU Energy Program incentive: $38,000  
Natural gas project; no utility incentive available

Twin City Foods, Ellensburg  
WSU Energy Program incentive: $34,000  
Utility incentive: $112,516

WaferTech, Camas  
WSU Energy Program incentive: $100,000  
Utility incentive: $481,000

Weyerhaeuser, Raymond  
WSU Energy Program incentive: $82,000  
Utility incentive $354,662

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