



Your regional, national  
and internationally  
recognized energy experts

#### **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 energy engineers, energy specialists, technical experts, software developers and energy research librarians work out of our Olympia, Spokane and satellite offices.

Operating similar to a consulting firm, the WSU Energy Program is a self-supported department within the University.

#### **Within WSU**

We are part of the College of Agricultural, Human and Natural Resource Sciences.

We report directly to the Dean of the College.

#### **Contact**

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# **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.

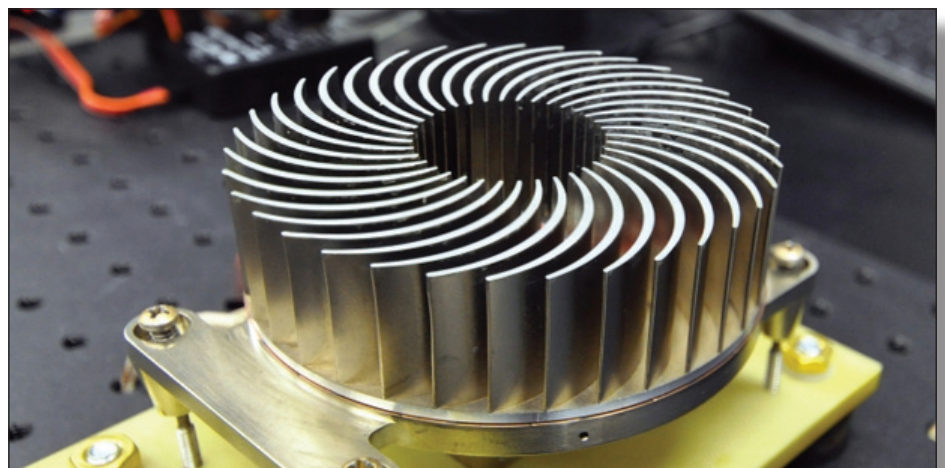
### **Deep history**

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

“

***WSU Energy Program staff has provided meaningful on-site assessments at most of our plants in Washington. They are a go-to, in-the-know, valuable and unbiased resource.***

”

Mike Henderson  
Energy and Environmental  
Engineering Manager,  
ConAgra Foods Lamb Weston  
and  
Chairman,  
Northwest Food Processors  
Association Energy Committee

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.**



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## 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

**\* Longview Fibre, Longview**

WSU Energy Program incentive:  
\$100,000  
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

**Simpson Lumber Co, Tacoma**

WSU Energy Program incentive:  
\$80,000  
Utility incentive: \$303,016

**\* 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