



Energy Efficiency Resources for Northwest Industries

July 2011

Industries in the Northwest have access to many information resources and technical or financial assistance programs to help reduce energy use. You may be surprised to see the number of programs listed in this directory. If you are unsure how to start, or where to start, here is our recommendation:

Start at your utility company, state energy office, or the U.S. Department of Energy.

You don't even have to know what program to ask about. Just tell them you are working for an industry that needs to reduce energy costs. The professionals who work at these organizations will know how to help you begin. The U.S. Department of Energy and State Energy Office contacts are listed in this directory.

We have not listed utility programs in this document because there are so many variations and because many utilities will tailor services for their key industrial customers. Call your utility's customer service representative and ask what they can do for you. Tell them about your unique challenges or project ideas, or ask questions about new technologies. Invite them to walk through the plant with you. These relationships will pay off.

The details were accurate when we posted this document, but contacts may change. Please email epis@energy.wsu.edu if you find errors or if you know of additional resources to include. The current directory is posted at:

<http://www.energy.wsu.edu/Documents/IndustrialResources.pdf>

All industries are encouraged to take advantage of these resources to develop plans, cut costs, improve competitiveness and productivity, and receive recognition for their efforts.

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1. Technical Assistance and Information Resources

A. National Programs

U.S. Department of Energy (DOE)

Industrial Technologies Program (ITP)

<http://www.eere.energy.gov/industry/>

The ITP partners with U.S. industry to coordinate research and development, validation, and dissemination of energy efficiency technologies and operating practices. The website describes programs, information resources, software tools, assessments, training and financial opportunities.

Phone: EERE Information Center 1-877-337-3463

Email: eereic@ee.doe.gov

ITP LEADER and ALLY Program

<http://www.eere.energy.gov/industry/saveenergynow/leader.html>

The goal of this program is to encourage and recognize U.S. companies in the vanguard of energy efficiency and raise the bar for all industrial facilities to cut energy intensity 25% in 10 years. LEADERS receive free energy assessments and advanced technical assistance. ALLY organizations and industrial service providers include associations, vendors, and consultants, who can support LEADERS in achieving their goals.

Email: saveenergynow@ee.doe.gov

Superior Energy Performance (SEP)

<http://www.superiorenergyperformance.net>

SEP is a certification program that will provide industrial facilities with a roadmap for achieving continual improvement in energy efficiency while maintaining competitiveness. A central element is implementation of the global energy management standard, ISO 50001.

ITP Industrial Assessment Centers

<https://www.eere.energy.gov/industry/bestpractices/iacs.html>

Federally-funded Centers provide energy, waste, and productivity assessments at no cost to small and medium-sized manufacturers. Assessments help manufacturers maximize energy efficiency, reduce waste, and improve productivity. Assessments are performed by teams of engineering faculty and students from 26 participating universities. Centers in the Northwest are listed with state resources below.

ITP R&D Financial Opportunities

<http://www.eere.energy.gov/industry/financial/solicitations.html>

The ITP provides about \$50 million annually in cost-shared funding for R&D. They award this funding through an open, competitive solicitation process designed to meet the top technology needs identified in industry's roadmaps.

Phone: EERE Information Center 1-877-337-3463

Email: eereic@ee.doe.gov

Environmental Protection Agency (EPA)

ENERGY STAR for Industry

http://www.energystar.gov/index.cfm?c=industry.bus_industry

ENERGY STAR can help develop and refine corporate energy management programs with technical and program resources including recognition.

Phone: 1-888-STAR-YES (782-7937)

National Institute of Standards and Technology (NIST)

Manufacturing Extension Partnership (MEP)

<http://www.mep.nist.gov/>

The MEP provides companies with services and access to public and private resources that enhance growth, improve productivity, and expand capacity. They work with companies willing to invest in their future, to make improvements in the short term, and position themselves to be stronger long-term competitors both domestically and internationally. The MEP for each Northwest state is listed with state resources (see page 5).

Western Area Power Administration – Energy Services Program

EnergyExperts.org

<http://www.energyexperts.org>

This website provides energy efficiency resources for all states including an Energy Events Calendar, Jobs Database, and the Energy Solutions Database to browse or search by topic or content type. For example, select periodicals, software, factsheets or case studies for industries.

Alliance to Save Energy (ASE)

Industrial Program

<http://ase.org/topics/industry>

ASE provides news, events and information resources, and they promote development of energy efficiency programs for the U.S. industrial sector.

American Council for an Energy Efficient Economy (ACEEE)

<http://www.aceee.org/industry/index.htm>

ACEEE develops national industrial energy strategies while serving as a resource for government, utilities, public interest groups, and businesses.

Energy Blog: <http://aceee.org/blog> (choose categories from left menu)

B. Regional Programs

Bonneville Power Administration (BPA)

Energy Smart Industrial Program (ESI)

<http://www.bpa.gov/Energy/N/industrial/index.cfm>

The ESI program is designed to meet the varying goals and needs of BPA utility customers and their end users. A variety of program components have been developed ranging from energy management to trade ally delivered programs.

Phone: 509-527-6232

Email: jlwood@bpa.gov and jleskil@bpa.gov

Northwest Energy Efficiency Alliance (NEEA)

Industrial Program

<http://neea.org/ourwork/industrial.aspx>

Continuous Energy Improvement for Industry

<http://www.energyimprovement.org/>

The Northwest Energy Efficiency Alliance's Continuous Energy Improvement system helps industrial facilities permanently integrate energy management into their business and manufacturing operations, leading to reduced costs and increased profitability.

Regional Training Calendar

<http://neea.org/participate/calendar.aspx>

Northwest Clean Heat and Power (CHP) Application Center

<http://www.chpcenternw.org/>

The Northwest CHP Application Center will assist organizations with CHP projects or district energy projects that are economically viable and make efficient use of energy.

Phone: 360-956-2004

Email: sjodingd@energy.wsu.edu

Northwest Food Processors Association (NWFPA)

<http://www.nwfpa.org/advocacy/energy>

The NWFPA is an advocate for members' interests and a resource for enhancing their competitive capabilities. They offer energy efficiency information tailored to the food processing industry.

Phone: 503-327-2200

Email: info@nwfpa.org

Northwest Energy Efficiency Council (NEEC)

<http://www.neec.net/>

The Northwest Energy Efficiency Council is a business association of the energy efficiency industry promoting market opportunities for energy efficiency. NEEC sponsors Building Operator Certification courses and provides news and resources for members.

Phone: 206-292-5592

Contacts: <http://www.neec.net/contact>

C. State Programs

Idaho

Idaho Office of Energy Resources

<http://www.energy.idaho.gov>

This **state energy office** delivers information and coordinates training about energy efficiency and renewable energy in Idaho.

Phone: 208-332-1660

Email: diane.holt@oer.idaho.gov

Idaho TechHelp

<http://www.techhelp.org/>

Representing the NIST Manufacturing Extension Partnership, TechHelp specialists provide technical and professional assistance to Idaho manufacturers, processors and inventors to strengthen their global competitiveness through continuous product and process innovation.

Phone: 208-426-3767 or 1-877-426-3797

Email: techhelp@boisestate.edu

Montana

Montana Department of Environmental Quality

<http://www.deq.state.mt.us/energy/>

This **state energy office** provides information on conservation, renewable energy, production of energy in Montana. Industrial training and technical services are available.

Phone: 406-841-5250

Email: Bspangler@mt.gov

Montana Manufacturing Extension Center (MMEC)

<http://www.mtmanufacturingcenter.com/>

Representing the NIST Manufacturing Extension Partnership, MMEC provides assistance to Montana industries on LEAN Manufacturing, Quality Systems, food safety, cost analysis, plant layout and other topics to improve business operations. They provide technical assistance and training on energy efficiency topics.

Phone: 406-994-3812 or 1-800-637-4634

Email: mmec@coe.montana.edu

EnergyExperts Hotline

<http://www.energyexperts.org>

The Western Area Power Administration Energy Services program offers information resources and tailored technical assistance for utility staff, industries and energy professionals in Montana and other states served by the Western Area Power Administration.

Telephone: 1-800-769-3756

Web Inquiry Form: <http://energyexperts.org/AboutUs/ContactUs.aspx>

Oregon

Oregon Department of Energy

<http://www.oregon.gov/ENERGY/CONS/Industry/index.shtml>

This **state energy office** offers industries independent third party review of an industry's energy policy, technologies under consideration or specific energy efficiency projects. They also provide expert referrals and industry-specific information, as well as training and assessments.

Phone: 503-378-4040 or 1-800-221-8035

Email: energy.in.internet@state.or.us

Energy Trust of Oregon (ETO)

<http://www.energytrust.org/>

The Energy Trust helps industrial facility owners realize significant energy savings every year. They contract with industrial process engineers to conduct scoping studies and determine the most cost-effective energy upgrades at a facility. Program Delivery Contractors are highly skilled, subject-matter specialists who understand what works in a business and how to make the most of energy-saving opportunities.

Phone: 1-866-368-7878

Email: info@energytrust.org

Oregon State University (OSU) Energy Efficiency Center

<http://eec.engr.oregonstate.edu/>

This industrial assessment center conducts assessments to help small and medium-sized manufacturing facilities cut back on unnecessary costs from inefficient energy use, ineffective production procedures, excess waste production, and other production-related problems.

Phone: 541-737-2674

Email: greg.wheeler@orst.edu

Oregon Manufacturing Extension Partnership (OMEP)

<http://www.omep.org/>

Representing the NIST Manufacturing Extension Partnership, OMEP is an integral part of Oregon's statewide manufacturing strategy and partners with economic development organizations and industry associations to provide the greatest access to high performance training assistance. OMEP's primary focus is training and implementation of what is increasingly referred to as Lean Enterprise.

Phone: 503-821-1300

Email: gsmell@omep.org

Washington

Washington State University (WSU) Extension Energy Program

<http://www.energy.wsu.edu/industrialefficiency.aspx>

This **state energy office** offers training, technical support, analyses and assessments to industries. WSU facilitates regional coordination and outreach for DOE programs.

Phone: 360-956-2000

Email: epis@energy.wsu.edu

Impact Washington

<http://www.impactwashington.org>

Representing the NIST Manufacturing Extension Partnership, Impact Washington provides expertise on LEAN manufacturing, marketing and exports and leadership in sustainable manufacturing practices,

Phone: 425-438-1146 or 1-800-637-4634

Email: info@wamfg.org

University of Washington (UW) Industrial Assessment Center

<http://www.ee.washington.edu/energy/iac/about.html>

A team of engineering faculty and graduate-level students in the UW's Department of Electrical Engineering provides small and medium-sized manufacturers with free energy assessments.

Phone: 206-221-5729

Email: mamishev@ee.washington.edu

Washington Technology Center (WTC)

<http://www.watechcenter.org/>

The Center's mission is to spark ideas, form connections between people and resources, and foster job growth to position Washington State as a national technology leader. One of the ways this mission is accomplished is through providing funding support and access to capital.

Phone: 206-685-1920

Email: info@watechcenter.org

D. Utility Programs

Electric and gas utilities offer a variety of programs to support an industry's effort to reduce energy consumption. The level of technical assistance and availability of incentives varies widely among utilities, so each industry should contact their account representative to learn about opportunities. The utility can be a very strong partner in energy efficiency efforts and may introduce unique opportunities.

2. Incentives and Opportunities

Federal Incentives

DOE EERE Financial Opportunities

<http://www.eere.energy.gov/financing/>

DOE EERE Industry Financial Opportunities

<http://www.eere.energy.gov/industry/financial/index.html>

Database of State Incentives for Renewables/Efficiency - Federal Incentives

<http://www.dsireusa.org/incentives/index.cfm?state=us&re=1&EE=1>

DSIRE is a comprehensive database of information on state, local, utility, and federal incentives and policies that promote renewable energy and energy efficiency.

Web Inquiry Form: <http://www.dsireusa.org/contacts/>

State Incentives

Database of State Incentives for Renewables and Efficiency (DSIRE)

<http://www.dsireusa.org/>

DSIRE is a comprehensive source of information on state, local, utility, and federal incentives and policies that promote renewable energy and energy efficiency.

Web Inquiry Form: <http://www.dsireusa.org/contacts/>

DOE ITP – State Incentives and Resource Database

http://www.eere.energy.gov/industry/states/state_activities/incentive_search.aspx

The State Incentives and Resource Database is a repository of energy incentives, tools, and resources for commercial and industrial managers.

Phone: EERE Information Center 1-877-337-3463

Email: eereic@ee.doe.gov

Idaho

Idaho Office of Energy Resources

<http://www.energy.idaho.gov/financialassistance/>

The Office of Energy Resources Financial Assistance Program includes loans for projects resulting in conservation of energy and/or utilization of renewable resources.

Phone: 208-332-1670

Email: terry.hoebelheinrich@oer.idaho.gov

Montana

Montana Incentives for Renewable Energy

<http://www.deq.mt.gov/Energy/Renewable/TaxIncentRenew.mcp>

This is a list of all the incentives, tax and otherwise, that Montana law offers for renewable energy development. Industry tax credit, grants and loans, renewable energy incentives and property tax exemption for renewable generating facilities.

Phone: (406) 444-2929

Montana Department of Revenue, Corporate Tax Incentives Energy Conservation Investment (MCA Citation 15-32-103)

<http://mt.gov/revenue/forbusinesses/corporation/corptaxincentives.asp#energy>

Capital investment in a building for energy conservation purposes that is not financed by state, federal, or private grant funds for energy conservation.

Phone: 406-444-6900 or 1-866-859-2254

Oregon

Oregon Department of Energy – Incentives for Industries

<http://www.oregon.gov/ENERGY/CONS/Industry/techserv.shtml>

A Business Energy Tax Credit is available to those who invest in energy conservation, recycling, renewable energy resources and less-polluting transportation fuels. An Energy Loan Program provides fixed interest rate, fixed term loans for qualifying energy efficiency, renewable resource recycling and alternative fuels projects.

Phone: 503-378-4040 or 1-800-221-8035

Energy Trust of Oregon (ETO)

<http://energytrust.org/industrial-and-ag>

ETO contracts with industrial process engineers throughout Oregon to conduct scoping studies and determine cost-effective energy upgrades for industrial facilities. Incentives up to 50% of the project cost are available to approved projects.

Phone: 866-368-7878

Email: info@energytrust.org

Washington

Washington Utilities and Transportation Commission (UTC) – Investment Cost Recovery Incentive Payment

<http://www.utc.wa.gov/regulatedIndustries/utilities/energy/Pages/incentiveProgram.aspx>

The customer incentive payment covers the purchase and use of renewable energy systems, Apply for an incentive payment from the utility that serves the property where the system is or will be located. The utility then gets a credit on its public utility tax. Contact the utility for an application. They have the authority to determine whether an incentive payment will be approved or denied.

3. Training and Education

DOE Industrial Technologies Program End User Training

<http://www.eere.energy.gov/industry/newsandevents/events.html>

ITP training sessions are offered year-round and throughout the country. Topics include compressed air, motor systems, pumping systems, steam systems, fan systems, and thermal efficiency. In certain cases, in-plant training can be conducted to address specific aspects of your plant and its operation.

Phone: EERE Information Center 1-877-337-3463

Email: eereic@ee.doe.gov

Energy Events Calendar at EnergyExperts.org

<http://www.energyexperts.org/TrainingEducationandEmployment/EventsCalendar.aspx>

Search this database for trainings, workshops, forums, conferences, webinars and other energy-related events by state, regional or national organizations. Sort the table by location, date, title or sponsor.

Email: info@energyexperts.org

Industrial Newsbriefs

The WSU Extension Energy Program produces this monthly free e-newsletter that features recent reports, events and news specific to industrial energy efficiency. WSU also offers *Energy-Ag Newsbriefs* on agricultural topics.

<http://www.energy.wsu.edu/EnergyLibrary/Newsbriefs.aspx#Industrial>

Northwest Energy Education Institute Energy Management Certification

<http://www.nweei.org/emc.html>

This program goes beyond the fundamentals and teaches a broad spectrum of energy management principles and techniques. Topics include building energy use, building envelope, heating/cooling, controls, central plant equipment, energy auditing, and O&M.

Phone: 541-463-3977 or 1-800-769-9687

Email: info@nweei.org

Northwest Energy Efficiency Alliance (NEEA) – Training Calendar

<http://neea.org/participate/calendar.aspx>

Listing of events in Montana, Idaho, Oregon and Washington related to energy efficiency, includes filter to sort by industrial sector.

Northwest Energy Efficiency Council (NEEC) Building Operator Certification

<http://www.theboc.info/>

Building Operator Certification (BOC®) is a nationally recognized training and certification program for building operators offering improved job skills and more comfortable, energy-efficient facilities. Sign up for a webinar to learn more.

4. Software Tools

DOE Industrial Technologies Program – Software Tools

<http://www.eere.energy.gov/industry/bestpractices/software.html>

A collection of free software tools to help identify and analyze energy system savings opportunities. Download the tools to assess the energy situation and improve the efficiency of motor-driven, process heating, and steam systems, as well as data centers.

Phone: EERE Information Center 1-877-337-3463

Email: eereic@ee.doe.gov

RELCOST® Financial – Economic Calculator

<http://www.chpcenternw.org/ResourcesSoftwareLinks/Software.aspx>

The RELCOST® Financial model, a Microsoft® Excel® spreadsheet template, is used for evaluating the financial viability of energy projects.

Phone: 360-956-2000

3E Plus Insulation Thickness Computer Program

<http://www.pipeinsulation.org/>

This computer program is an industrial energy management tool developed by the North American Insulation Manufacturers Association to simplify the task of determining how much insulation is necessary to use less energy, reduce plant emissions and improve system process efficiency.

Web Inquiry Form: <http://www.pipeinsulation.org/ProcessForm/contact.html>

Search for Additional Software Resources on [EnergyExperts.org](http://www.energyexperts.org)

<http://www.energyexperts.org/EnergySolutionsDatabase.aspx>

Choose **Sector=Industrial** and **Content Type=Software** to list industrial software tools.

Phone: 800-769-3756

Web Inquiry Form: <http://energyexperts.org/AboutUs/ContactUs.aspx>

Feedback on this Directory: epis@energy.wsu.edu
Online Directory: <http://www.energy.wsu.edu/Documents/IndustrialResources.pdf>



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