

Oregon Industrial Resource Fact Sheet

Introduction

Oregon's economy is ranked 26th in the nation in terms of 2008 gross domestic product (GDP), generating \$158.2 billion annually. Industrial manufacturing is a vital sector of Oregon's economy, providing the state with 73,924 jobs and supplying \$38,820 million worth of goods. The largest manufacturing sectors in the state are wood and electronic products manufacturing based on total value of shipments. In 2007, Oregon's industrial sector ranked 31st in the nation in terms of energy expended, accounting for 284.2 trillion British thermal units (Btu), or 25.6 percent of total energy consumed in the state. The state's industrial natural gas consumption tallied 70.2 trillion Btu, which was 30th in the nation that year. Moreover, the industrial sector accounted for approximately 15.9 million metric tons of carbon dioxide emissions according to 2005 data.

Oregon has long been a national leader in promoting measures that reduce the energy usage and fossil fuel dependence of the state's industrial operations. The state legislature has been progressive in adopting policies that lead to an increase in energy efficiency. For example:

- SB 1149 established a 3 percent public purpose charge on electric bills in order to support energy efficiency and renewable energy programs. Of the funds collected by the electric utilities, 56.7 percent must be allocated toward energy efficiency programs and 17.1 percent to renewables.
- HB 3201 and HB 3619 created the Tax Credit for Renewable Energy Resource Equipment Manufacturing Facilities. This credit was enacted to encourage investments in energy conservation, recycling, renewable energy resources, sustainable buildings, and less-polluting transportation fuels.



- Administrative Rules 330-11-0005 et seq. created the Oregon Small-Scale Energy Loan Program, which provides low-interest loans for several projects, including ones that generally save energy or produce energy from waste heat.
- Oregon ratified HB 3543, which set greenhouse gas emission reduction targets at 10 percent by 2020 and 75 percent by 2050. Within this bill, it declares that all sectors of Oregon, including industry, must work toward reducing emissions.

These policies have afforded an opportunity for industrial customers to improve their energy efficiency and decrease their carbon emissions. In addition, there is also a multitude of other resources available that plant managers can consult for energy efficiency and/or renewable energy information, or assistance in financing energy efficiency improvements and/or renewable energy projects at their facilities.

State Programs

State Government: The State of Oregon offers several incentives to industrial manufacturers through the Oregon Department of Energy. State tax credits are available for recycling materials and renewable installations, as well as energy-efficient retro-fits and new construction. Low-interest loans are also offered by the state. Moreover, the Energy Trust of Oregon has established incentive programs that reward the implementation of energy-efficient HVAC systems, motors, and construction projects, as well as industrial operations that implement small wind generation systems.

Utility Resources

Investor-Owned Utilities: Several investor-owned utilities (IOU) in Oregon provide industrial customers with incentives for engaging in energy saving activities. For example, Idaho Power provides incentive payments to customers who implement energy-efficient HVAC systems, lighting, appliances, and customized construction projects. Similarly, Avista Public Utilities offers industrial customers financial incentives for improving the energy-efficiency of buildings, and Cascade Natural Gas supplies cash rebates for HVAC and ceiling/roof upgrades. Another IOU that provides incentives to industrial customers is Portland General Electric, which gives cash rebates to customers who implement solar generation systems, as well as energy assessment and analysis tools.

INDUSTRIAL TECHNOLOGIES PROGRAM

Public Power Utilities: A plethora of Oregon’s public power utilities provide energy saving programs for their industrial customers. The following table is a detailed breakdown of incentive programs by program type.

NAME OF UTILITY	ANALYSIS TOOLS	CLEAN ENERGY INCENTIVE	ENERGY AUDITS	LOANS/ GRANTS	REBATES
Canby Utilities			X		
Central Lincoln People’s Utility District					X
City of Ashland		X	X	X	
City of Bandon Electric Utility			X		X
City of Milton-Freewater Electric Department					X
Clatskanie People’s Utility District	X		X		X
Columbia River Public Utility District			X	X	X
Emerald Public Utility District				X	X
Eugene Water & Electric Board	X	X	X	X	X
Forest Grove Light and Power	X		X		
McMinnville Water and Light			X	X	X
Northern Wasco County Public Utility District			X		
Springfield Utility Board			X		X
Tillamook People’s Utility Board			X		X

Electric Cooperatives: Within the state of Oregon, there are multiple electric cooperatives which offer industrial customers incentives aimed at increasing energy efficiency. The following table is a detailed breakdown of incentive programs by program type.

NAME OF UTILITY	ANALYSIS TOOLS	CLEAN ENERGY INCENTIVE	ENERGY AUDITS	LOANS/ GRANTS	REBATES
Central Electric Cooperative		X			X
Consumers Power		X			
Douglas Electric Cooperative					X
Lane Electric Cooperative				X	X
Midstate Electric	X		X		X
Oregon Trail Electric Cooperative					X
Salem Electric Cooperative		X	X	X	X
Umatilla Electric Cooperative					X
West Oregon Electric Cooperative					X

Regional Resources

Industrial Assessment Center: The Oregon State University, with sponsorship from the Department of Energy, offers an Industrial Assessment Center (IAC). The center provides energy, waste, and productivity assessments at no cost to small- and mid-sized manufacturers.

Nonprofit Organizations: The Northwest Energy Efficiency Alliance (NEEA) is a private non-profit organization that promotes voluntary, market-based programs in the residential, commercial, and industrial sectors through its Northwest ENERGY STAR, BetterBricks, and Industrial market-facing brands. In addition, NEEA focuses on developing new energy-efficient technologies, and provides marketing and training resources across sectors. Furthermore, Bonneville Environmental Foundation and Northwest Solar Cooperative provide incentives on renewable energy installations.

Clean Energy Application Center: Northwest CHP Application Center provides assistance to organizations with Combined Heat and Power (CHP) projects that are economically viable and make efficient use of energy. The center offers software tools and information on CHP, such as case studies, policies and initiatives, and CHP events.

Local Resources

Manufacturing Extension Partnership: The Oregon Manufacturing Extension Partnership (MEP) provides Oregon's small- to mid-sized manufacturers with high performance business and technical assistance, such as Lean Leadership, Lean/Green Connection, and Supply Chain Development.

For More Information

DOE Industrial Technologies Program (<http://www1.eere.energy.gov/industry/index.html>)

ITP Save Energy Now (<http://www1.eere.energy.gov/industry/saveenergynow/>)

ITP State Activities Web site - Oregon (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=Nv)

ITP State Incentives and Resources Database (http://www1.eere.energy.gov/industry/about/state_activities/incentive_search.asp)

Energy Efficient Upgrades (<http://www.business.gov/expand/green-business/energy-efficiency/upgrades/office-equipment.html>)

Oregon Department of Energy (<http://oregon.gov/ENERGY/CONS/BUS/BETC.shtml>)

Avista Public Utilities (<http://www.avistautilities.com/business/rebates/oregon/Pages/default.aspx>)

Cascade Natural Gas (<http://www.energytrust.org/buildingefficiency/standard.html>)

Idaho Power (<http://www.idahopower.com/NewsCommunity/OurEnvironment/GreenPower/default.cfm>)

Portland General Electric (http://www.portlandgeneral.com/business/save_energy/resources/classes.aspx)

BetterBricks (<http://betterbricks.com/DetailPage.aspx?ID=253>)

Bonneville Environmental Foundation (<http://www.b-e-f.org/renewables/>)

Canby Utility (<http://www.ci.canby.or.us/cityservices/cityserv.htm#Water/Electric>)

Central Lincoln People's Utility District (http://www.cencoast.com/Energy_percent20Efficiency.html)

City of Ashland (<http://www.ashland.or.us/Page.asp?NavID=1366>)

City of Bandon Electric Utility (<http://www.ci.bandon.or.us/electric.htm>)

City of Milton-Freewater Electric Department (<http://www.milton-freewater-or.gov/electric/conservation.html#rems>)

City of Portland (<http://www.portlandonline.com/osd/index.cfm?c=42134>)

Clatskanie People's Utility District (http://www.clatskaniepud.com/Conservation_percent20Program.htm)

Central Electric Cooperative (http://www.centralelectriccoop.com/prodserve/renewable/net_metering/net_metering.html)

Columbia River Public Utility District (<http://www.crpud.net/business/weatherization>)

INDUSTRIAL TECHNOLOGIES PROGRAM

Consumer Power (http://www.consumerspower.org/rebates/wh_solar.php)

Douglas Electric Cooperative (http://www.douglaselectric.com/programs/rebate_credits.php#commercial)

Energy Trust of Oregon (<http://www.energytrust.org/business/index.html>)

Emerald People's Utility District (<http://www.epud.org/comnrg.aspx?section=biz>)

Eugene Water and Power Board (<http://www.eweb.org/content.aspx/73b71fdb-0705-41b7-9f2f-4b54e5c8b13e>)

Forest Grove Light and Power (<http://www.forestgrove-or.gov/city-services/light-&-power-commercial-&-industrial-energy-services-program.html>)

Industrial Efficiency Alliance (<http://www.industrialefficiencyalliance.org/training.html>)

Lane Electric Cooperative (<http://www.laneelectric.com/heatpump.htm>)

McMinnville Water and Light (<http://www.mc-power.com/comprograms.aspx>)

Midstate Electric (<http://www.midstateelectric.coop/ProductsAndServices/PSResidential/FreeEnergyAudits/default.aspx>)

Northern Wasco County Public Utility District (<http://www.nwasco.com/com-audit.cfm>)

Northwest Natural Gas (https://www.nwnatural.com/content_yourbusiness.asp?id=275)

Northwest Energy Education Institute (<http://www.nweei.org/emc.html>)

Northwest Solar Cooperative (<http://www.solaroregon.org/get-involved/northwest-solar-coop>)

Northwest Energy Efficiency Alliance (<http://www.nwalliance.org/>)

Oregon Trail Electric Cooperative (<http://www.otec.coop/commercialprograms.aspx>)

Salem Electric Cooperative (<http://www.salemelectric.com/business/index.html>)

Springfield Utility Board (http://www.subutil.com/conservation_services/for_your_business#CommercialIncentives)

Tillamook People's Utility District (<http://www.tpud.org/prodserv.html>)

Umatilla Electric Cooperative (<http://www.ueinet.com/conservation/WeatherizationProgramInsulationWindows.cfm>)

West Oregon Electric Cooperative (http://www.westoregon.org/programs/rebate_credits.php)

Contacts

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Manufacturing Extension Partnership in Oregon

Oregon Manufacturing Extension Partnership

Director: Pat Murphy

Phone: (503) 725-2660

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E-mail: pmurphy@omep.org

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

Source: <http://blue.nist.gov/centers/OR>

Clean Energy Application Center for Region

Northwest CHP Application Center

Director: David Sjoding

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E-mail: sjodingd@energy.wsu.edu

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

Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

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EERE Information Center

1-877-EERE-INF (1-877-337-3463)

www.eere.energy.gov/informationcenter

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Energy Efficiency &
Renewable Energy