

Utah Industrial Resource Fact Sheet

Introduction

Utah's economy is ranked 33rd in the nation in terms of 2008 gross domestic product (GDP), generating \$109.7 billion annually. Industrial manufacturing is a vital sector of Utah's economy, providing the state with 161,324 jobs and supplying \$322,966 million worth of goods. The largest manufacturing sectors in the state are petroleum and food product manufacturing based on total value of shipments. In 2007, Utah's industrial sector ranked 35th in the nation in terms of energy expended, accounting for 224.9 trillion British thermal units (Btu), or 27.9 percent of statewide energy consumption. The state's industrial natural gas consumption tallied 59.6 trillion Btu, which was 34th highest in the nation that year. Moreover, the industrial sector accounted for 8.86 million metric tons of carbon dioxide emissions according to 2005 data.

Utah's government has come to view energy efficiency as an important component of the state's economic development plan. In order to convey the importance of reducing energy consumption, Governor Gary Huntsman set a voluntary goal to increase Utah's overall energy efficiency by 20 percent by the year 2015. In order to achieve this goal, the state published the Utah Energy Efficiency Strategy, which contains potential policies, programs, and initiatives that could be implemented in order to accelerate energy efficiency improvements and contribute to achieving the energy efficiency goal. Of note, suggested industrial policies include the creation of an Industry Challenge and Recognition Program to encourage industrial firms to set non-binding energy intensity reduction goals, as well as the commitment to implement cost-effective energy efficiency projects at a higher rate than in the past, along with removing barriers and provide incentives to stimulate greater adoption of Combined Heat and Power (CHP) systems.



To help reach the non-binding goal, there are multiple resources currently available throughout the state that plant managers can consult for energy efficiency/renewable energy information or assistance in financing energy efficiency improvements/renewable energy projects at their facilities.

State Programs

State Government: The Utah Industries of the Future initiative helps to develop techniques and methods that can improve industrial energy-efficiency. In addition to this progressive program, there are many other opportunities to improve the energy efficiency and decrease the carbon emissions of industrial manufacturers in the state. The Utah Geological Survey offers tax credits to industrial operations that implement renewable energy generation systems, as well as provides grants to businesses that instruct others in matters of energy-efficiency and renewable energy. In addition, the Utah Department of Environmental Quality (DEQ) and Utah's electric utilities sponsor the PowerForward campaign, which promotes an ethic of energy conservation and efficient use of electricity in Utah homes, businesses, and state-owned buildings by notifying Utah citizens and businesses on days when additional conservation measures are needed.

Utility Resources

Investor-Owned Utilities: Several investor-owned utilities (IOUs) in Utah provide industrial customers with incentives for engaging in energy saving activities. For example, Rocky Mountain Power offers a slew of incentives to industrial customers seeking to implement energy-saving measures. Cash rebates are available for solar energy generation installations, new construction, and heating and cooling systems; load management programs, energy analysis, and assessment programs are also available to customers of Rocky Mountain Power. Questar Gas is another IOU that supplies incentive programs to industrial customers, including cash incentives on the purchase of natural gas-saving equipment, such as water heaters, space heaters, and boilers, as well as accessories like programmable thermostats and spray valves.

Public Power utilities: City of St. George Utilities is a public power utility that offers industrial customers cash incentives on the implementation of solar energy generation systems.

INDUSTRIAL TECHNOLOGIES PROGRAM

Electric Cooperatives: Within the state of Utah, there several electric cooperatives that offer industrial customers incentives aimed at increasing energy efficiency. For instance, Moon Lake Electric offers industrial customers rebates on energy-efficient water heaters, and the cooperative replaces trees at no cost. Similarly, Empire Electric Association provides customers with cash rebates for the purchase of energy-efficient water heaters, space heaters, and motors, as well as no-cost energy audits.

Regional Resources

Industrial Assessment Center: Though Utah does not have an Industrial Assessment Center (IAC) within the state, Utah's manufacturers can receive no-cost energy assessments from the Colorado State University IAC.

Clean Energy Application Center: The U.S. DOE Intermountain Clean Energy Application Center was formed by the U.S. Department of Energy to increase adoption of energy recycling, including combined heat and power (CHP), waste heat recovery, and district energy. This center provides end users with technical assistance, project support, economic evaluations, education and outreach, and policy reform, along with other information on energy recycling, such as available financial incentives.

Local Resources

Manufacturing Extension Partnership: The Utah Manufacturing Extension Partnership provides small- and midsize manufacturers with the services they need to facilitate activities including energy efficiency, lean manufacturing, quality systems, information systems, and discovery process tools.

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 - Utah (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=UT)

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>)

Utah Geological Survey (http://geology.utah.gov/sep/incentives/formula_grant/index.htm)

Questar Gas (<http://www.thermwise.com/utindex.html>)

PowerForward (<http://www.powerforward.utah.gov/about.htm>)

Rocky Mountain Power (http://www.ecosconsulting.com/rmp_solar/)

City of St. George (<http://www.sgcity.org/conservation/>)

Empire Electric Association (<http://www.empireelectric.org/services1.html>)

Moon Lake Electric (<http://www.moonlakeelectric.com/tree.html>)

Contacts

Industrial Assessment Center for Region

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Manufacturing Extension Partnership in Utah

Utah Manufacturing Extension Partnership

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

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

Clean Energy Application Center for Region

Intermountain CHP Application Center

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

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

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