

Hawaii Industrial Resource Fact Sheet

Introduction

Hawaii's economy is ranked 39th in the nation in terms of 2008 gross domestic product (GDP), generating \$63.8 billion annually. Industrial manufacturing is an important sector of Hawaii's economy, providing the state with 7,562 jobs and supplying \$1490 million worth of goods. Food processing, nonmetallic mineral manufacturing, and printing account for the bulk of the state's industrial activities. In 2007, Hawaii's industrial sector ranked 47th in the nation in terms of energy expended, accounting for 68.3 trillion British thermal units (Btu) or 19.9 percent of statewide energy consumption. The state's industrial natural gas consumption totaled a relatively low 0.5 trillion Btu, which ranked 50th in the nation in 2007. Moreover, the industrial sector accounted for approximately 2.05 million metric tons of carbon dioxide emissions.

In 2008, Governor Linda Lingle signed a memorandum of understanding (MOU) with the U.S. Department of Energy for the Hawaii-DOE Clean Energy Initiative. The initiative set forth a goal for Hawaii to achieve 70 percent of the state's energy needs through energy-efficiency and renewable-energy programs by 2030. Along with the MOU, Hawaii created legislation that promotes energy efficiency. For example, the state government passed HB 1464, establishing a formal energy-efficiency-portfolio standard (EEPS) that sets a goal of a 4,300 gigawatt hour reduction by 2030 (equal to about 40 percent of 2007 electricity sales). Energy-efficiency and renewable-energy resources available for Hawaii's industrial sector are listed below.



State Programs

State Government: The State of Hawaii offers incentives on energy-saving measures via the Department of Business, Economic Development, and Tourism. The Department has established a comprehensive green-building program that includes training and energy assessments. In addition, energy-efficient buildings are given higher priority in the permitting process. There are also tax incentives available for renewable-energy generation and energy-efficiency efforts.

Utility Resources

Investor-Owned Utilities: As of July 2009, the Hawaii Public Utilities Commission transferred responsibility of the energy-efficiency programs formerly run by the Hawaiian electric utilities. Energy efficiency rebates for Hawaiian Electric Company (HECO), Hawaii Electric Light Company (HELCO), and Maui Electric Company (MECO) are now run under a blanket program called the Hawaii Energy Efficiency Program. This program provides nonresidential customers with a variety of energy-saving rebates on equipment like lighting, motors, air-conditioners, chillers, window films, and other customized energy-efficiency projects. In addition to participating in the Hawaii Energy Efficiency Program, HECO also offers energy assessments and monthly cash incentives to businesses that participate in their load-management program called EnergyScout.

Electric Cooperatives: The Kauai Island Utility Cooperative, Hawaii's sole electric cooperative, offers its customers a no-cost energy audit program to help industrial customers identify energy-saving opportunities. Based on the results of the audit, recommendations are made and incentive payments are provided for the implementation of recommended equipment upgrades.

Regional Resources

Industrial Assessment Center: Though Hawaii does not have an Industrial Assessment Center, Hawaii's small- to midsize-manufacturers can go to the San Francisco State University IAC or the University of Washington IAC for no-cost energy assessments.

INDUSTRIAL TECHNOLOGIES PROGRAM

Clean Energy Application Center: The Pacific CHP Application Center works to reduce the perceived risk of Combined Heat and Power (CHP) to users, foster CHP as a viable technical and economic option for the participating region, and to capitalize on existing regional CHP resources. They offer a variety of services, such as site feasibility studies for CHP, online tools, and CHP reports.

Local Resources

Manufacturing Extension Partnership: The Hawaii High Technology Development Corporation Manufacturing Extension Partnership (HTDC- MEP) works with small and medium-sized businesses to bring best practices to small businesses at an affordable cost. HTDC- MEP services include Training, Lean Manufacturing, Process Design and Improvement, Value Stream Mapping, and Supply Chain Management.

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 – Hawaii (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=HI)

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>)

Hawaii Department of Business, Economic Development and Tourism (<http://hawaii.gov/dbedt/info/energy/resource/greenbusiness>)

Hawaii Department of Taxation (<http://www.capitol.hawaii.gov/>)

Hawaiian Electric Company (<http://www.heco.com/portal/>)

Hawaii Energy Efficiency Program (<http://hawaiienergyefficiency.com>)

Maui Electric Company (<http://www.mauielectric.com/portal/site/meco/menuitem.853d25dd64dca44973b5c410c510b1ca/?vgnextoid=679b6b4cdaa8a010VgnVCM1000005c011bacRCRD&vgnextfmt=default>)

Kauai Island Utility Cooperative (<http://www.kiuc.coop/co-opportunities/index.htm>)

Contacts

Industrial Assessment Centers for Region

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Manufacturing Extension Partnership in

Hawaii

Hawaii HTDC-MEP

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

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

Clean Energy Application Center for Region

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

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

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