

Florida Industrial Resource Fact Sheet

Introduction

Florida's economy is ranked 4th in the nation in terms of 2008 gross domestic product (GDP), generating \$744.1 billion annually. Industrial manufacturing is an important sector of Florida's economy, providing the state with 90,183 jobs and supplying \$35,087.6 million worth of goods. The largest manufacturing sectors in the state are electronic equipment and food processing. Moreover, Florida's industrial sector ranked 19th in the nation in terms of energy expended, accounting for 558.9 trillion Btu in 2007, or 12.1 percent of all energy consumed in the state. The state's natural gas consumption totaled 73.2 trillion Btu, which was 29th in the nation that year. Additionally, the industrial sector accounted for 13.8 million metric tons of carbon dioxide emissions.

The State of Florida first instituted demand-side management (DSM) programs in 1980 as part of the *Florida Energy Efficiency and Conservation Act*. Since 1980, utilities have made use of energy-efficiency programs to reduce annual energy consumption by 5,488 gigawatt hours. In addition to the DSM programs, utilities and other organizations across the state offer many programs that provide financial and technical assistance to industrial manufacturers seeking to improve their energy efficiency and decrease their carbon emissions.



Government Resources

State Government: The State of Florida offers multiple incentives for industrial operations to increase energy efficiency and renewable energy. Examples include tax incentives on renewable-energy installations and a grant program, which provides funding for private biomass projects.

Utility Resources

Investor-Owned Utilities: Investor-owned utilities (IOUs) across the State of Florida are offering industrial customers incentives for energy-efficiency efforts. For example, Tampa Electric provides financial rewards for industrial customers instituting improvements in building envelope, refrigeration equipment, cooling systems, lighting fixtures, reducing peak-hour demand, and employing stand-by generators. Tampa Electric also supplies energy audits and cash incentives for installing occupancy sensors. Another IOU that provides industrial customers with energy-saving programs is Florida Public Utilities (FPU). Incentives offered by FPU include rebates on energy-efficient air conditioning units, lighting, energy audits, and several online-assessment tools.

Similarly, Florida Power and Light (FPL) supplies industrial customers with energy-saving programs, such as incentives on HVAC systems, water heaters, building-envelope upgrades, and devices that limit peak-hour energy demand. Energy assessment and analysis tools are also offered by FPL. Other IOU-sponsored programs include Progress Energy's energy-audit program and Gulf Power's energy-assessment tools.

Public Power Utilities: Several of Florida's public power utilities promote an increase in energy efficiency. For instance, Gainesville Regional Utilities provides its nonresidential customers with rebates on energy-efficient exit signs and customized energy-saving efforts, as well as energy audits. Likewise, Lakeland Electric supplies its customers with incentive payments on efficient lighting, voluntarily reducing peak-hour demand, and energy audits. Other public power utilities that offer incentives for nonresidential customers include Ocala Electric Utility, Jacksonville Electric Authority (JEA), and the Orlando Utilities Commission—all offering an energy-audit program to their customers. JEA also provides incentive payments on solar-energy installations.

Electric Cooperatives: Within the State of Florida, there are several electric cooperatives, which offer customers energy audits, as well as energy assessment and analysis tools. Utilities that provide these programs include Florida Keys Electric Cooperative, Lee County Cooperative, Chelco, and Clay Electric Cooperative.

Regional Resources

Combined Heat and Power Regional Application Center: The Southeast Combined Heat and Power (CHP) Application Center's mission is to provide application assistance, technology information, and the educational support necessary to promote CHP.

Local Resources

Nonprofit Organizations: The Florida Solar Energy Center is a nonprofit organization that provides industry training about renewable-energy technology and energy-efficiency measures.

Industrial Assessment Center (IAC): Both the University of Florida and the University of Miami offer U.S. Department of Energy (DOE)-sponsored Industrial Assessment Centers (IACs) that help industrial manufacturers improve their cost and energy savings through free-of-cost energy assessments, in addition to identifying ways for them to reduce their energy consumption.

Manufacturing Extension Partnership (MEP): Florida Manufacturing Solutions works with industry to strengthen its global competitiveness. This nonprofit provides manufacturers with services that include Enterprise Transformation, Innovation, Performance-Based Training, and Supply Chain Management.

For More Information

DOE Industrial Technologies Program (ITP), <http://www1.eere.energy.gov/industry/index.html>
ITP Save Energy Now, <http://www1.eere.energy.gov/industry/saveenergynow/>
ITP State Activities Web site (Florida), http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=FL
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>
Florida Department of Agriculture and Consumer Services, <http://www.floridafarmtofuel.com/grant.htm>
Florida Department of Environmental Protection, <http://www.dep.state.fl.us/energy/energyact/incentives.htm#program1>
Florida Power and Light, <http://www.fpl.com/largebusiness/savings/cooling.shtml>
Florida Public Utilities, http://www.fpuc.com/myaccount/rebate_main.asp
Gulf Power, http://www.gulfpower.com/energy_tips/tips.asp
Progress Energy (Florida), <http://www.progress-energy.com/custservice/flacig/efficiency/index.asp>
Tampa Electric, <http://www.tampaelectric.com/business/saveenergy/lightingoccupancysensor/>
Gainesville Regional Utilities, <http://www.gru.com/YourBusiness/ProductsServices/busConservationSurveys.jsp>
JEA, <http://www.jea.com/community/conservcenter/tools/businessaudit.asp>
Lakeland Electric, <http://www.lakelandelectric.com/yourbusiness.html>
Ocala Electric Utility, <http://www.ocalafl.org/OEU.aspx?id=7034&terms=Energy+Survey>
Orlando Utilities Commission, <http://www.ouc.com/business/survey.htm>
Clay Electric Cooperative Inc., <http://clayelectric.com/nrgservice.aspx>
Chelco, <http://chelco.apogee.net/ces/>
Florida Keys Electric Cooperative, <http://www.fkec.com/energy.html>
Lee County Cooperative Inc., <http://www.lcec.net/energysurvey/>
Florida Solar Energy Center, <http://www.fsec.ucf.edu/en/industry/training/index.htm>

Contacts

Industrial Assessment Centers (IACs) for Region

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University of Miami

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Manufacturing Extension Partnership (MEPs) in Florida

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Web site: <http://www.floridamep.org>
Source: <http://blue.nist.gov/centers/FL>

Regional Clean Energy Application Center Southeast CHP Application Center

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Web site: <http://www.chpcenterse.org/>
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

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