

Georgia Industrial Resource Fact Sheet

Introduction

Georgia's economy is ranked 10th in the nation in terms of 2008 gross domestic product (GDP), generating \$397.8 billion annually. Industrial manufacturing is an important sector of Georgia's economy, providing the state with 121,884 jobs and supplying \$51,075.0 million worth of goods. Georgia's industrial sector is one of the largest energy-consuming sectors in the state, which is partly due to Georgia being a leader in the energy-intensive wood and paper products industry. In 2006, Georgia's industrial sector ranked 9th in the nation in terms of energy expended, accounting for 919.5 trillion British thermal units (Btu). The state's natural gas consumption totaled 163.5 trillion Btu, which was 13th in the nation. Moreover, the industrial sector accounted for approximately 20.17 million metric tons of carbon dioxide emissions.

Georgia has made an effort to encourage energy efficiency in the state. Since the early 1990s, Georgia statute O.C.G.A. § 46-3A-2 has required the regulated electric utilities to file integrated resource plans (IRPs) with the Georgia Public Service Commission every three years. The IRPs must take into account any present and projected reductions in the demand for energy, which may result from measures to improve energy efficiency in the industrial, commercial, residential, and energy-producing sectors of the state. The statute also encourages electric utilities to provide energy-efficient programs to their customers. Additionally, Georgia's government passed O.C.G. § 48-7-29.14, which established corporate tax credits for specific energy-efficient equipment and renewable-energy equipment. Additional resources are available throughout the state that plant managers can consult for energy efficiency and/or renewable energy information, or for assistance in financing these projects at their facilities. Additional resources that are available throughout the state are listed below.



Government Resources

State Government: The State of Georgia offers incentive programs for industrial operations to save energy and reduce carbon emissions. The state, through the Department of Community Affairs, has legislated tax incentives for utilizing biomass and for energy-efficient equipment.

Utility Resources

Public Power Utilities: Griffin Power, a public power utility, assists industrial customers in becoming more energy efficient by informing them about technological advances and by performing power-quality audits. Similarly, Cartersville Electric System, another public power utility, supplies its customers with no-cost energy audits.

Investor-Owned Utilities: Georgia Power, an investor-owned utility, supplies nonresidential customers with a host of energy management and analysis tools. For example, this utility offers a Technology Application Center that provides advice and demonstrations of advanced manufacturing technology.

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Electric Cooperatives: Within the State of Georgia, there are several electric cooperatives that offer their industrial customers programs that are designed to assist them in saving energy. For example, Sawnee Electric Membership Corporation provides its customers with a raft of energy-efficiency programs, including a comprehensive audit program, which features financial incentives on recommended upgrades and a load-management program. Additionally, another cooperative that offers customers energy-analysis tools is Hart Membership 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.

Nonprofits: Southeast Energy Efficiency Alliance's mission is to promote and achieve energy efficiency in the Southeast through networking, program activities, and education.

Local Resources

Industrial Assessment Center (IAC): The Georgia Institute of Technology provides industrial customers with energy-management tools, in addition to an industrial assessment center that offers small- and medium-sized manufacturers with no-cost energy audits.

Manufacturing Extension Partnership (MEP): The Georgia Manufacturing Extension Partnership provides technical assistance and continuing education to Georgia manufacturers. Services they provide include Lean Process Improvement, Energy Efficiency and Management, and Sustainable Strategy Deployment.

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 (Georgia), http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=GA

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>

Georgia Department of Community Affairs, <http://www.dca.state.ga.us/main/quickmenuListing.asp?mnuitem=PROG>

Georgia Power Company, <http://www.georgiapower.com/tac/home.asp>

Cartersville Electric System, <http://www.cityofcartersville.org/index.asp?nid=232>

Griffin Power, <http://www.griffinpower.org/industrial.htm>

Hart Electric Membership Corporation, <http://www.hartemc.com/index.asp?rightnav=true&name=EC%5FCommercial%5FLoans&rid=17&lid=19&lname=For+Your+Business>

Sawnee Electric Membership Corporation, <http://www.sawnee.com/Energy/incentives.htm>

Southeast Energy Efficiency Alliance, <http://www.seealliance.org>

Georgia Tech Enterprise Innovation Institute, <http://innovate.gatech.edu/Default.aspx?alias=innovate.gatech.edu/energy>

Contacts

Industrial Assessment Centers (IACs) for Region

Georgia Institute of Technology

Director: Bill Meffert

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Manufacturing Extension Partnership (MEPs) in Georgia

Georgia Manufacturing Extension Partnership

Director: Ieasha Jones

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E-mail: ieasha.jones@innovate.gatech.edu

Web site: <http://www.innovate.gatech.edu>

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

*Regional Clean Energy Application Center
Southeast CHP Application Center*

Director: Louay Chamra

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E-mail: chamra@me.msstate.edu

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

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

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Source: <http://www.eere.energy.gov/industry/about/contacts.html>

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www.eere.energy.gov/informationcenter