

Oklahoma Industrial Resource Fact Sheet

Introduction

Oklahoma's economy is ranked 29th in the nation in terms of 2008 gross domestic product (GDP), generating \$146.4 billion annually. The industrial manufacturing sector in Oklahoma accounts for 41,240 jobs and supplying \$28,164 million in goods in 2006. Based on total value of shipments, leading industries include petroleum and coal product, machinery, food, fabricated metals, and transportation equipment manufacturing. In 2007, Oklahoma's industrial sector ranked 16th in the nation in terms of energy expended, accounting for 288.3 trillion British thermal units (Btu), or 36.6 percent of statewide energy consumption. The state's industrial natural gas consumption tallied 258.0 trillion Btu, which was 8th in the nation in 2007. Furthermore, the industrial sector accounted for approximately 51.3 million metric tons of carbon dioxide emissions in 2007.

Though the gas and oil industry is a major aspect of Oklahoma's economy, Governor Brad Henry acknowledged that the state needs to invest in energy conservation and alternative energy. In order to encourage energy efficiency and renewable energy, the Oklahoma has enacted various pieces of legislation and several programs. For instance, the state government approved Bill 510 to establish the Oklahoma Bioenergy Center (OBC) in order to coordinate research and development of biofuels at the Oklahoma State University, the University of Oklahoma, and the Samuel Roberts Noble Foundation at Ardmore. The OBC has positioned the state as a leader in biofuel research and production. Oklahoma is currently one of only six states in the country to have pledged more than \$20 million in biofuel initiatives. Additionally, the state government enacted



the Economic Development Generating Excellence program (EDGE) in order to develop and strengthen Oklahoma's cutting-edge technology and research in areas such as biotechnology, weather science, and aerospace. Oklahoma has multiple energy-related resources available to help industry reduce energy consumption and greenhouse gas emissions. Available resources are listed below.

State Programs

State Government: The Oklahoma State Energy Office's goal is to promote energy efficiency on behalf of the U.S. Department of Energy. The office works to achieve this goal through public education and outreach, and its Web site contains useful energy efficiency resources including news, updates on energy policy changes, industry events, and technical assistance. In addition, the Oklahoma State Tax Commission Office provides tax credits to producers of electric power using renewable energy resources from a zero-emission facility located in Oklahoma.

Utility Resources

Investor-Owned Utilities: The majority of Oklahoma's electric utilities are electric cooperatives. There are two investor-owned electric utilities in the state: Oklahoma Gas and Electric, which offers a load management program, energy audits, analysis tools, and education and training on energy efficiency, and Public Service Company of Oklahoma, which offers industrial customers financial incentives for energy upgrades and a load management program. Additionally, Oklahoma Natural Gas, which provides three-quarters of the state with natural gas, provides industrial customers with energy consultation services.

Public Power Utilities: Municipal Electric Systems of Oklahoma, an association of municipally-owned electric utilities, offers loans for projects that reduce energy consumption, as well as energy audits.

Electric Cooperatives: Oklahoma has many cooperatives that offer energy efficiency and renewable resources for industrial customers, as referenced in the following table.

INDUSTRIAL TECHNOLOGIES PROGRAM

NAME OF UTILITY	ANALYSIS TOOLS	ENERGY AUDITS	LOAD MANAGEMENT	LOANS	REBATES
Alfalfa Electric Cooperative				X	X
Caddo Electric Cooperative				X	X
Cimarron Electric					X
Cotton Electric Cooperative			X		X
Duncan Power					X
Harmon Electric Association				X	
Kiwash Electric Cooperative	X				X
Lake Region Electric Cooperative				X	
People's Electric Cooperative				X	X
Red River Valley Rural Electric		X		X	
Rural Electric Cooperative				X	
Tri-County Electric		X			

Regional Resources

Clean Energy Application Center: The Gulf Coast Regional CHP Applications Center's mission is to promote the development and deployment of Combined Heat and Power (CHP) technology. In order to promote CHP, the center hosts workshops on CHP topics and provides technical assistance to potential adopters to help them evaluate the value proposition and understand the project development process.

Local Resources

Industrial Assessment Center: The Oklahoma State University hosts an Industrial Assessment Center (IAC) that provides small- to midsize manufacturers with no-cost energy assessments.

Manufacturing Extension Partnership: The Oklahoma Manufacturing Alliance's mission is to provide strategic assistance to Oklahoma manufacturers to help them become successful innovators in the global marketplace. The alliance offers free technical assistance and business advice.

Energy Centers: The Oklahoma Bioenergy Center (OBC) is a research and economic development collaboration between the University of Oklahoma, the Oklahoma State University, and the Samuel Roberts Noble Foundation working to cultivate the growth of Oklahoma's renewable energy industry. A recent study indicated that every dollar invested in OBC has a \$27 rate of return. Gov. Henry felt this success showed that investing in alternative energy had a positive impact on the state's economy, so further investments should be made.

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

Oklahoma State Energy Office (http://www.okcommerce.gov/index.php?option=com_content&task=category§ionid=4&id=164&Itemid=712)

Oklahoma State Tax Commission (<http://www.tax.ok.gov/itformert2.html>)

Alfalfa Electric Cooperative (<http://www.alfalfaelectric.coop>)

Caddo Electric Cooperative (<http://www.caddoelectric.com>)

Cimarron Electric (<http://www.cimarronelectric.com>)

Cotton Electric Cooperative (<http://www.cottonelectric.com>)

DSIRE- OK (<http://www.dsireusa.org/incentives/index.cfm?CurrentPageID=1&State=OK&RE=1&EE=1>)

Duncan Power (<http://www.duncanpower.com>)

Harmon Electric Association (<http://www.harmonelectric.com>)

Kiwash Electric Cooperative (<http://www.kiwash.coop>)

Lake Region Electric Cooperative (<http://www.lrecok.coop>)

Oklahoma Gas and Electric (<http://www.oge.com/Pages/Home.aspx>)

Oklahoma Manufacturing Alliance (<http://www.okalliance.com/>)

Oklahoma Natural Gas (<http://www.oneok.com/>)

Oklahoma Bioenergy Center (<http://okbioenergycenter.org/>)

People's Electric Cooperative (<http://www.peoplesec.com>)

Municipal Electric Systems of Oklahoma (<http://www.meso.org/>)

People's Electric Cooperative (<http://www.peoplesec.com/>)

Red River Valley Rural Electric (<http://www.recok.coop>)

Public Service Company of Oklahoma (<http://www.psoklahoma.com/>)

Rural Electric Cooperative (<http://www.recok.coop>)

Tri-County Electric (<http://www.tri-countyelectric.coop>)

Contacts

Industrial Assessment Center for Region
Oklahoma State University
Director: Dr. William Kolarik
Phone: (405) 744-5042
Fax: (405) 744-6187
E-mail: kolarik@okstate.edu

Manufacturing Extension Partnership in Oklahoma
Oklahoma Manufacturing Alliance
Director: Roy Peters
Phone: (918) 592-0726
Fax: (918) 592-1417
E-mail: roy.peters@okalliance.com
Web site: <http://www.okalliance.com/>
Source: <http://blue.nist.gov/centers/OK>

Clean Energy Application Center for Region
Gulf Coast Regional CHP Applications Center
Director: Daniel Bullock
Phone: (281) 364-6087
E-mail: dbullock@harc.edu
Web site: <http://www.gulfcoastchp.org/>
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

DOE Regional Contact

Sandy Glatt
Project Manager State and Utility Partnerships
(303) 275-4857
E-mail: sandy.glatt@go.doe.gov

Jamey Evans
(303) 275-4813
Project Manager
E-mail: jamey.evans@go.doe.gov
Source: <http://www.eere.energy.gov/industry/about/contacts.html>

State Energy Office Contact

Carolyn Sullivan
900 N. Stiles Ave.
Oklahoma City, OK US 73104-3234
Phone: (405) 815-5347 or (800) 879-6552

EERE Information Center

1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov/informationcenter