

Iowa Industrial Resource Fact Sheet

Introduction

Iowa's economy is ranked 30th in the nation in terms of 2008 gross domestic product (GDP), generating \$129 billion annually. Industrial manufacturing is a vital sector of Iowa's economy, providing the state with 90,225 jobs and supplying \$57,629 million worth of goods. The largest manufacturing sectors in the state are food and machinery manufacturing. In 2006, Iowa's industrial sector ranked 21st in the nation in terms of energy expended, accounting for 492.9 trillion British thermal units (Btu). The state's natural gas consumption totaled 86.9 trillion Btu, which was 23rd in the nation. Moreover, the industrial sector accounted for approximately 13.76 million metric tons of carbon dioxide emissions.

Iowa, under the leadership of Governor Chester J. Culver, has made improving energy efficiency and increasing renewable-energy production a top priority. The State of Iowa currently ranks 5th among the 50 states in terms of spending on energy-efficiency programs. Investing in these programs is proving to be money well spent—according to a report issued by the Iowa Utilities Board, for every \$1 that investor-owned utilities (IOUs) spent on energy-efficiency projects they saw \$2 worth of benefits. Due to the success IOUs' have had with their energy-efficiency programs, the state has begun devising programs that can be applicable for all utilities in Iowa. In addition to energy-efficiency programs, Iowa also boasts some of the most progressive renewable-energy programs in the nation. In 2007, Iowa created the Office of Energy Independence (OEI) whose mission is to outline strategies for decreasing the state's energy consumption, dependence



on foreign fuels, use of fossil fuels, and greenhouse gas emissions. OEI was authorized to oversee the Iowa Power Fund, which provides money to businesses for financial assistance concerning energy efficiency and renewable energy. Due to Iowa's commitment to energy efficiency, there are an abundance of resources available throughout the state that plant managers can consult for energy efficiency and/or renewable energy information, or for assistance in financing energy-efficiency projects at their facilities.

Government Resources

State Government: In addition to OEI's work, the State of Iowa, through the Iowa Energy Center, offers a variety of programs to assist in financing new, renewable-energy installations or energy-efficiency research, demonstrations, and education projects. For instance, one program the center offers to industry is Total Assessment Audits, which is designed to improve efficiency, reduce waste, and increase productivity.

Utility Resources

Investor-Owned Utilities: Several IOUs in Iowa are offering nonresidential customers programs to induce energy-efficiency efforts. For example, Alliant Energy provides its customers with cash incentives on an array of energy-efficient equipment. Energy-saving lighting, motors, HVAC systems, windows, and doors are among those items covered by Alliant Energy's rebate program. The utility also supplies low-interest financing on energy-efficiency measures, as well as energy-assessment expertise and analysis tools. In addition, Alliant Energy's industrial customers are eligible for incentive payments for voluntarily reducing their peak-hour demand.

MidAmerican Energy is another IOU that offers energy-efficiency programs to industrial customers in Iowa. MidAmerican Energy offers industrial customers the opportunity of submitting proposals for energy-efficiency projects of which three will be funded by the utility. Other programs offered include cash rebates on energy-saving motors, lighting, new construction, and insulation, as well as energy assessment and analysis tools. Black Hills Energy (BHE) is yet another IOU that supplies incentives on energy-saving measures. Energy audits and customized cash rebates are among those incentives offered by BHE.

INDUSTRIAL TECHNOLOGIES PROGRAM

Public Power Utilities: A plethora of Iowa’s public power utilities provide energy-saving programs for their industrial customers. One such program, Bright Energy Solutions, has been adopted by a large collaborative of public power utilities, including many in Iowa. Participating Bright Energy Solutions partners provide customers with cash payments for installing energy-efficient equipment. More information is available by following the link at the bottom of the page. In addition to Bright Energy Solutions, many other programs are offered by utilities across the state, which are listed in the following table.

NAME OF COOPERATIVE	ANALYSIS TOOLS	CLEAN ENERGY INCENTIVE	ENERGY AUDITS	LOANS/ GRANTS	REBATES
Algona Municipal Utilities					X
Anita Municipal Utilities				X	X
Denison Municipal Utilities					X
Harlan Municipal Utilities					X
Independence Light & Power		X			X
Indianola Municipal Utilities	X		X		X
Muscatine Power & Water					X

Electric Cooperatives: There are a multitude of rural electric cooperatives within the State of Iowa that promote industrial energy efficiency. The lion-share of these utilities offer cash rebates on purchases of energy-efficient equipment. Please refer to the following table for a more detailed breakdown of energy-efficient programs offered by individual cooperatives.

NAME OF COOPERATIVE	ANALYSIS TOOLS	ENERGY AUDITS	LOAD MANAGEMENT	LOANS	REBATES
Access Energy Cooperative	X	X			
Allamakee-Clayton EC					X
Butler County REC	X	X			X
Calhoun County EC	X	X			
Chariton Valley EC					
Clarke EC					
East-Central Iowa REC					
Eastern Iowa REC					
Farmers EC				X	
Franklin REC		X			
Glidden REC		X			
Grundy County REC		X			
Guthrie County REC		X		X	X
Harrison County REC				X	X
Hawkeye REC					X
Heartland Power Cooperative					X
Iowa Lakes EC	X	X			

INDUSTRIAL TECHNOLOGIES PROGRAM

NAME OF COOPERATIVE	ANALYSIS TOOLS	ENERGY AUDITS	LOAD MANAGEMENT	LOANS	REBATES
Linn County REC			X		X
Lyon REC				X	X
Masquoketa Valley EC					X
Midland Power Cooperative		X			X
North West REC					X
Prairie Energy Cooperative		X			
Southwest Iowa REC					X
TIP Iowa REC					X
Western Iowa Power Cooperative					X
Woodbury County REC					X

Regional Resources

Combined Heat and Power Center (CHP): The Midwest Combined Heat and Power (CHP) Application Center works to develop technology application knowledge and the educational infrastructure necessary to foster CHP as a viable technical and financial energy/environmental option in the Midwest, and to reduce any perceived risks associated with its implementation.

Local Resources

City/Town Government: The City of Ames offers cash rebates for the purchase of energy-efficient equipment.

Industrial Assessment Center (IAC): The Iowa State University, with sponsorship from the U.S. Department of Energy (DOE), hosts an Industrial Assessment Center. The center provides small- and medium-sized manufacturers with no-cost energy assessments.

Manufacturing Extension Partnership (MEP): The Iowa Center for Industrial Research and Service works to enhance the productivity of Iowa's industry by providing technical and educational expertise.

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

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>

Iowa Office of Energy Independence, <http://www.energy.iowa.gov/OEI/plan.html>

Iowa Energy Center, <http://www.energy.iastate.edu/renewable/incentives/>

City of Ames, <http://www.cityofames.org/SmartEnergy/index.htm>

Alliant Energy, <http://www.alliantenergy.com/docs/groups/public/documents/pub/p014531.hcsp>

Black Hills Energy, <http://www.blackhillsenergy.com/services/programs/business-energyaudit-ia.php>

MidAmerican Energy, <http://www.midamericanenergy.com/html/energy6k.asp>

Bright Energy Solutions, <http://www.brightenergysolutions.org/Our%20Members/ourmembers.htm>

Algona Municipal Utilities, http://2006.netamu.com/energy_efficiency/Rebates.asp

Anita Municipal Utilities, <http://anitaiowa.com/utility.html#program>

Denison Municipal Utilities, <http://www.dmuonline.com/Otherservices.htm#waterheaters>

Harlan Municipal Utilities, <http://www.hmu-harlan.com/EnergyRebates.htm>

Independence Light & Power, <http://www.indytel.com/energyprogram.php?sub=48>

Indianola Municipal Utilities, <http://www.i-m-u.com/>

Muscatine Power and Water, http://www.mpw.org/electric_faqs.aspx

Access Energy Cooperative, https://www.accessenergycoop.com/yourhome_rebates.asp?

Allamakee-Clayton Electric Cooperative, <http://www.acrec.com/contentdisplay.asp?id=Incentives&level=12>

Butler County Rural Electric Cooperative, <http://www.butlerrec.coop/asp/General/ClientPage.aspx?PageID=333>

Calhoun County Electric Cooperative, <http://www.calhounrec.coop/asp/News.asp?NewsID=279>

Chariton Valley Electric Cooperative, <http://www.cvrec.com/>

Clarke Electric Cooperative, <http://www.cecnet.net/rebates.html>

East-Central Iowa Rural Electric Cooperative, <http://www.ecirec.coop/>

Eastern Iowa Rural Electric Cooperative, <http://www.ecirec.coop>

Farmers Electric Cooperative, <http://www.farmersrec.com/Promotions.htm>

Franklin Rural Electric Cooperative, <http://www.franklinrec.coop/asp/News.asp?NewsID=246>

Glidden Rural Electric Cooperative, <http://www.gliddenrec.coop/asp/News.asp?NewsID=309>

Grundy County Rural Electric Cooperative, <http://www.grundycountyrecia.org/asp/news/default.asp?NewsID=329>

Guthrie County Rural Electric Cooperatives, <http://www.guthrie-rec.coop/cgi-script/csArticles/articles/000000/000049.htm>

Harrison County Rural Electric Cooperative, http://www.hcrec.coop/Member_Services/rebates/index.html

Hawkeye Rural Electric Cooperative, http://www.hawkeyerec.com/services/rebates_incentives.php

Heartland Rural Electric Cooperative, <http://www.heartlandpower.com/>

Iowa Lakes Electric Cooperative, <http://www.touchstoneenergysavers.com/savertools.php?n=535&b=3>

Linn County REC, <http://www.linncountyrec.com/cgi-script/csarticles/articles/000004/000468.htm>

Lyon Rural Electric Cooperative, http://www.lyonrec.coop/home_business/loans/index.html

Maquoketa Valley Electric Cooperative, <http://www.mvec.com/>

Midland Power Cooperative, <http://www.midlandpower.com/asp/News.asp?NewsID=53&n=408&b=4>

Northwest Rural Electric Cooperative, http://www.nwrec.com/lm_rebates.php

Prairie Energy Cooperative, <http://www.prairieenergy.coop/asp/General/ClientPage.asp?PageID=221>

Southwest Iowa Rural Electric Cooperative, http://www.swiarec.coop/prod_serv/rebates.shtml

T.I.P. Rural Electric Cooperative, <http://www.tiprec.com/rebates.html>

Western Iowa Power Cooperative, <http://www.wipco.com/rebates.htm#AIR%20CONDITIONING>

Woodbury County Rural Electric Cooperative, http://www.woodburyrec.com/programs/rebates/Electric_Heat.html

Contacts

Industrial Assessment Centers (IACs) for Region

Iowa State University
Director: Dr. Gregory M. Maxwell
Phone: (515) 294-8645
Fax: (515) 294-3261
E-mail: gmaxwell@iastate.edu

Manufacturing Extension Partnership (MEPs) in Iowa

Iowa Center for Industrial Research and Service
Director: Ronald Cox
Phone: (515) 294-3420
E-mail: ciras.info@ciras.iastate.edu
Web site: <http://www.ciras.iastate.edu>
Source: <http://blue.nist.gov/centers/IA>

Regional Clean Energy Application Center Midwest CHP Application Center

Director: John Cuttica
Phone: (312) 996-4382
E-mail: cuttica@uic.edu
Web site: <http://www.chpcentermw.org/>
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

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