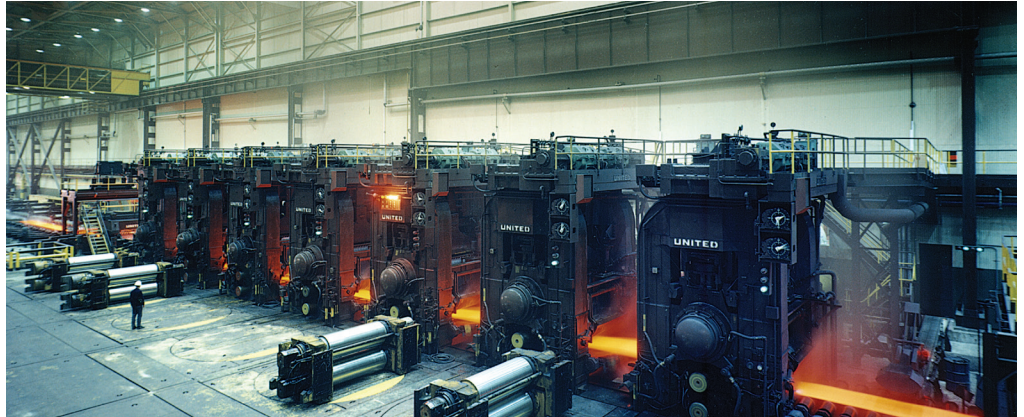


Illinois Industrial Resource Fact Sheet

Introduction

Illinois' economy is ranked 5th in the nation in terms of 2008 GDP, generating \$634 billion annually. Industrial manufacturing is a vital sector of Illinois' economy. The state's leading manufacturing industries include chemical, food, and machinery manufacturing, providing Illinois with 207,972 jobs and supplying \$94,155.5 million worth of goods. Illinois is one of the nation's top energy-consuming states, primarily due to its large population and high demand from the industrial sector, which includes the energy-intensive aluminum, chemicals, metal casting, petroleum refining, and steel industries. In 2007, Illinois' industrial sector ranked 7th in the nation in terms of energy expended, accounting for 1,202.5 trillion Btu (or 29.7 percent of all energy consumed in the state). The state's industrial natural gas consumption tallied 258.3 trillion Btu, which was the 7th most in the nation in 2007. Moreover, the industrial sector accounted for 41.86 million metric tons of carbon dioxide emissions according to 2005 data.

Illinois' industrial manufactures have an opportunity to improve their energy efficiency and decrease their carbon emissions. Multiple resources are available throughout the state that plant managers can consult for energy efficiency and renewable energy information, assistance in financing energy efficiency improvements, and renewable energy projects at their facility. For instance, the state offers various programs to help businesses reduce their energy and invest in renewable energy. One state program, called the Large-Customer Energy Analysis Program (LEAP), works with large energy users such as manufacturers, hospitals, large commercial buildings, universities, and local governments to help manage their energy costs by making cost-effective efficiency improvements. Participants in the program are typically able to reduce energy use by 10 percent – 30 percent. In addition to state programs, Illinois created tax exemptions, legislation, and other financial



incentives to encourage investment in energy efficiency and renewable energy production. For instance, after recognizing that energy efficiency and renewable energy was underutilized in the state, Illinois enacted the Illinois Power Agency Act, or SB1592, which created an energy efficiency resource standard. Illinois showed dedication toward the new standard by requiring that utilities meet the goals or be fined. Additional resources available in the state are listed below.

Government Resources

State Government: The State of Illinois offers incentive programs for industrial operations to save energy and reduce carbon emissions. Through the Department of Commerce and Economic Opportunity, the state provides low-interest loans for energy efficiency projects, cash rebates on energy-efficient equipment, in addition to cash payments and tax incentives for renewable energy installations. The state also offers cash incentives for the purchase of energy-efficient lighting.

A few educational resources are also available to Illinois businesses which can help manage energy demand. The Illinois Industry of the Future program offers educational information and training for state-of-the-art energy saving technology. There also are two Industrial Assessment Centers located within the state; contact information is detailed below.

Utility Resources

Investor-Owned Utilities: Under Illinois' Energy Efficiency Portfolio Standard (EEPS), the state's investor-owned utilities (IOUs) and Illinois Department of Commerce and Economic Opportunity must offer programs to assist Illinois industrial operations in becoming more energy efficient. Specifically, the utilities must achieve a 0.2 percent annual reduction in energy use through 2015 with a 2.0 annual decrease thereafter. ComEd, an Exelon company, complies with this mandate by offering industrial customers cash incentives on HVAC systems, high-efficiency lighting, new refrigeration technologies, and customized energy efficiency projects, in addition to a wealth of energy evaluation and analysis tools. Similarly, Ameren Services also complies by providing a portfolio of incentives to industrial customers. Among the programs offered are cash payments on energy saving HVAC systems, motors, refrigeration, lighting, and customized projects, as well as energy assessment tools and specialty services such as ultra-sonic leak inspection and a qualified contractor search tool.

Public Power Utilities: Though not subject to EEPS, public power utilities offer Illinois businesses incentives to become more energy efficient. City Water, Light, and Power offer

rebates on “super-charged” insulation and efficient heat pumps to industrial customers in Springfield, in addition to conducting a free commercial lighting audit.

Electric Cooperatives: Rural Electric Convenience Cooperative rewards customers who install solar or small wind energy installations with cash rebates. Jo-Carroll Energy also offers rebates on electric water heaters.

Regional Resources

Non-profit Organizations: Midwest Energy Efficiency Alliance is a collaborative network advancing energy efficiency in the Midwest to support sustainable economic development and environmental preservation.

Clean Energy Application Center: Midwest CHP Application Center works to develop technology application knowledge and the educational infrastructure necessary to foster CHP as viable technical and financial energy, along with providing environmental options in the Midwest and reducing perceived risks associated with its implementation.

Local Resources

Non-profit Organizations: The Illinois Solar Energy Association provides numerous seminars and training sessions which teach businesses how to implement sustainable practices with success.

Industrial Assessment Centers (IACs): Bradley University and University of Illinois at Chicago host federally sponsored Industrial Assessment Centers which provide eligible small- and medium-sized manufacturers with no-cost energy assessments.

Manufacturing Extension Partnership (MEP): Chicago Manufacturing Center is a team of specialists who work with Illinois companies to be more productive and globally competitive. MEP’s services include Business Strategy, Continuous Process Improvement, Information Technology, and Special Initiatives.

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 - Illinois (http://www1.eere.energy.gov/industry/states/state_activities/map_new.asp?stid=IL)

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>)

Illinois Department of Commerce and Economic Opportunity (http://www.illinoisbiz.biz/dceo/Bureaus/Energy_Recycling/Energy/Energy+Efficiency/meep_program.htm)

Ameren Services (<http://actonenergy.com/for-my-business/energy-saving-resources/>)

City Water, Light and Power (Springfield) (http://www.cwlp.com/energy_services/ESO_services/programs/insulation_rebate.htm)

ComEd (<http://www.comed.com/businesssavings/>)

Rural Electric Convenience Cooperative (<http://www.recc.coop/Energy-Use/Renewable-Energy.asp>)

Illinois Clean Energy Foundation (<http://www.illinoiscleanenergy.org/grants.asp>)

Illinois Solar Energy Association (<http://www.illinoissolar.org/events>)

Jo-Carroll Energy (http://www.jocarroll.com/products_details.cfm?ID=22)

Midwest Energy Efficiency Alliance (<http://www.mwalliance.org/>)

National Corn-to-Ethanol Research Center (<http://ethanolresearch.com/opportunities/training.php>)

Contacts

Industrial Assessment Centers (IACs) for Region

Bradley University
Director: Dr. Paul Mehta
Phone: (309) 677-2754
Fax: (309) 677-3453
Email: Mehta@bradley.edu
Web Site: <http://www.bradley.edu/academics/eng/Mechanical/iac/>

University of Illinois at Chicago

Director: Dr. William M. Worek
Phone: (312) 996-5610
Fax: (312) 996-5620
Email: wworek@uic.edu
Web Site: <http://www.erc.uic.edu/projects/iac.htm>

Manufacturing Extension Partnership in Illinois

Chicago Manufacturing Center
Director: Demetria Giannisis
Phone: (312) 542-0500
Fax: (312) 922-8557
Email: dgiannisis@cmcusa.org
Web Site: <http://www.cmcusa.org>
Source: <http://blue.nist.gov/centers/IL>

Illinois Manufacturing Extension Center

Phone: 309-677-4632
Email: info@imec.org
Web Site: <http://www.imec.org>
Source: <http://blue.nist.gov/centers/IL>

Clean Energy Application Centers for Region

Midwest CHP Applications Center
Director: John Cuttica
Phone: (312) 996-4382
Email: cuttica@uic.edu
Web Site: <http://www.chpcentermw.org/>
Source: http://www.eere.energy.gov/de/chp/chp_applications/chp_application_centers.html

DOE Regional Contact

Brian Olsen, Energy Project Specialist
Phone: 303-275-4834
Email: brian.olsen@go.doe.gov
Source: <http://www.eere.energy.gov/industry/about/contacts.html>

State Energy Office Contacts

Wayne Hartel, Energy and Natural Resource Specialist
620 East Adams
Springfield, IL 62701
Phone: 217-785-3420
Fax: 217-785-2618

EERE Information Center

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