

Kansas Industrial Resource Fact Sheet

Introduction

Kansas' economy is ranked 32nd in the nation in terms of 2008 gross domestic product (GDP), generating \$123 billion annually. Industrial manufacturing is an important sector of Kansas' economy, providing the state with 78,002 jobs and supplying \$42,061 million worth of goods. Based on the value of shipments, the largest manufacturing sectors in the state are transportation equipment and food manufacturing. In 2007, Kansas' industrial sector ranked 27th in the nation in terms of energy expended, accounting for 426.0 trillion British thermal units (Btu) or 37.5 percent of all energy consumed in the state. The state's industrial natural gas consumption totaled 145.0 trillion Btu, which was 4th in the nation. Moreover, the industrial sector accounted for approximately 11.9 million metric tons of carbon dioxide emissions.

Realizing the significant role Midwestern states play in the emissions of carbon, the Kansas governor, along with eight other Midwestern governors, signed on to participate in the *Midwestern Greenhouse Gas Reduction Accord*. Through the accord, each participating state agreed to establish a collaborative program that would reduce the greenhouse gas emissions in their respective state. Due to the importance of industry to all Midwestern states and economies, and for creating an effective energy initiative, the industrial sector was invited to participate in the advisory group charged with developing recommendations for the program design. In addition to the Midwestern initiative, Kansas published the *Kansas Energy Report 2009*, which put forth multiple recommendations that if taken would help the state reduce energy consumption and greenhouse gases. For instance, one recommendation was to



increase demand-side energy-efficiency programs. In addition to energy policies, Kansas has shown it is working towards creating opportunities for industrial manufactures to improve their energy efficiency and decrease their carbon emissions by offering multiple energy-related resources. Available resources throughout the state are listed below.

State Programs

State Government: The State of Kansas offers a burgeoning portfolio of resources to assist industrial operations in conserving energy. The Kansas Department of Revenue gives out incentive payments for the production of ethyl alcohol and the sale of renewable fuels, as well as tax incentives for implementing carbon-dioxide-capture systems, waste-heat technologies, and alternative fuel-filling stations. Similarly, the Kansas Department of Commerce offers tax credits for developing biofuel storage and blending technologies, biomass energy generation units, and cogeneration facilities. In addition, the Kansas Corporation Commission provides a property tax exemption on all renewable-energy-generation systems.

Utility Resources

Investor-Owned Utilities: Kansas City Light and Power (KCLP), a subsidiary of Great Plains Energy Incorporated, is an investor-owned utility that offers programs to assist Kansas industrial operations become more energy efficient. Energy audits and cash rebates on energy-saving equipment are examples of the programs offered by KCLP.

Public Power Utilities: Public power utilities offer Kansas businesses incentives to become more energy efficient. For instance, the Kansas City Board of Public Utilities offers industry a few incentives for implementing energy-saving measures. Rebates are available on various heating elements, such as water heaters and heat pumps. Also, industrial operations that enroll in the How\$mart program have the opportunity to install energy-efficient devices without expending capital.

Electric Cooperatives: There are a multitude of electric cooperatives within the state of Kansas that promote industrial energy efficiency. The lion-share of these utilities offer cash rebates on purchases of energy-efficient equipment. For a detailed breakdown of energy-efficient programs offered by individual cooperatives, please refer to the following table.

INDUSTRIAL TECHNOLOGIES PROGRAM

NAME OF COOPERATIVE	ANALYSIS TOOLS	ENERGY AUDITS	LOAD MANAGEMENT	LOANS	REBATES
Alfalfa Electric Cooperative					X
Ark Valley Electric Cooperative					X
Bluestem Electric Cooperative Etc.					X
Brown Atchison Electric Cooperative					X
Caney Valley Electric Cooperative				X	X
CMS Electric Cooperative					X
Flint Hills Electric Cooperative					X
Heartland Electric Cooperative					X
Kansas Electric Cooperative					X
Kaw Valley Electric Cooperative			X		
Lane Scott Electric Cooperative		X			
Leavenworth Jefferson Electric Cooperative					X
Lyon-Coffey Electric Cooperative					X
Midwest Energy		X	X	X	
Ninnescah Electric Cooperative					X
Radiant Electric Cooperative					X
Rolling Hills Electric Cooperative					X
Sumner-Cowley Electric Cooperative					X
Sunflower Electric Cooperative	X	X			
Tri-County Electric Cooperative		X			
Victory Electric Cooperative					X

Regional Resources

Nonprofit Organizations: The Midwest Energy Efficiency Alliance is a collaborative network that promotes the advancement of energy efficiency in the Midwest to support sustainable economic development and environmental preservation.

Industrial Assessment Centers: While Kansas does not have an Industrial Assessment Center within the state, it does share close proximity with two other state centers. The University of Illinois at Chicago and the Oklahoma State University both have federally-sponsored IACs that provide small- to midsize-manufacturers with no-cost energy assessments.

Clean Energy Application Center: The Midwest Clean Energy Application Center works to reduce any perceived risks of Combined Heat and Power (CHP) to users, foster CHP as a viable technical and financial option for the participating region, and to capitalize on existing regional CHP resources.

Local Resources

Manufacturing Extension Partnership: The Mid-America Manufacturing Technology Center provides manufacturing expertise to companies throughout Kansas to improve productivity, profitability, and overall business performance. Services include Lean Enterprise, Technical Engineering, Product Development & Testing, and Manufacturing Process.

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

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>)

Kansas Corporation Commission (http://www.kcc.state.ks.us/energy/business_incentives.htm)

Kansas Department of Commerce (http://www.kcc.state.ks.us/energy/business_incentives.htm)

Kansas Department of Revenue (http://www.kcc.state.ks.us/energy/business_incentives.htm)

Kansas City Board of Public Utilities (<http://www.bpu.com/business/index.jsp>)

Kansas City Power and Light (<http://www.kcpl.com/business/aegonline.html>)

Midwest Energy (<http://www.mwenergy.com/energyservices.aspx>)

Alfalfa Electric Cooperative (http://www.alfalfaelectric.com/product_water_heaters.htm)

Ark Valley Electric (<http://www.arkvalley.com/hprebate.htm>)

Bluestem Electric Cooperative (<http://bluestemelectric.com/?page=readarticle&articleid=19>)

Brown Atchison Electric Cooperative (<http://www.baelectric.com/barebate.html#heat>)

Caney Valley Electric Cooperative Association (<http://www.caneyvalley.com/rebates.htm>)

CMS Electric Cooperative (<http://www.cmselectric.com/heater.html#heat>)

Flint Hills Rural Electric Cooperative Association (<http://www.flinthillsrec.com/rebates.aspx>)

Kansas Electric Power Cooperative (http://www.kepco.org/Home_Page/Rebate_Program.html)

Kaw Valley Electric Cooperative (<http://www.kawvalleyelectric.coop/>)

Lane-Scott Electric Cooperative (<http://www.lanescott.coop/audits.aspx>)

Leavenworth Jefferson Electric Cooperative (<http://www.ljec.coop/rebates.htm>)

Lyon-Coffey Electric Cooperative (<http://www.lyon-coffey.coop/rebate.htm>)

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

Ninnescah Electric Cooperative (<http://www.ninnescah.com/site.php?page=rebates>)

Radiant Electric Cooperative (<http://www.radiantec.coop/programs/rebates.shtml>)

Rolling Hills Electric Cooperative (<http://www.rollinghills.coop/rebates.htm>)

Sumner-Cowley Electric Cooperative (<http://www.sucocoop.com/Page410.htm>)

Sunflower Electric (<http://sunflower.apogee.net/comsuite/>)

Tri-County Electric Cooperative (<http://www.tcctexas.com/>)

Victory Electric Cooperative Association (<http://www.victoryelectric.net/services.html>)

Contacts

Industrial Assessment Centers for Region

University of Illinois at Chicago

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Manufacturing Extension Partnership in Kansas

Mid-America Manufacturing Technology Center

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E-mail: sjohnson@mamtc.com

Web site: <http://www.mamtc.com>

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

Clean Energy Application Centers for Region

Midwest Clean Energy Applications Center

Director: John Cuttica

Phone: (312) 996-4382

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Web site: <http://www.chpcentermw.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

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Energy Efficiency &
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