

Arkansas Industrial Resource Fact Sheet

Introduction

Arkansas' economy is ranked 34th in the nation in terms of 2008 GDP, generating \$98.3 billion annually. Industrial manufacturing is an important sector of Arkansas' economy providing the state with 73,869 jobs and supplying \$25,913.4 million worth of goods. The state's primary manufacturing sectors are food, primary metal, transportation equipment, and paper based on total value of shipments. In 2007, Arkansas' industrial sector ranked 23rd in the nation in terms of energy expended accounting for 463.7 trillion Btu (or 40.3 percent of all energy consumed in the state). The state's industrial natural gas consumption tallied 87.7 trillion Btu which was the 23rd most in the nation in 2007. Moreover, the industrial sector accounted for approximately 11.09 million metric tons of carbon dioxide emissions in 2005.

Arkansas goal is to lead the nation in attracting clean and renewable energy industries to the state, and to reduce consumer energy dependence on current carbon-generating technologies and expenditures. In order to achieve their goal, the state government created the *Arkansas Governor's Commissions on Global Warming*. Of note, this policy plan recommends promoting energy efficiency programs for the industrial sector such as education of industry trades, and increasing demand side programs and funds for promoting energy efficiency and renewable energy. In addition to policy, Arkansas has created legislation to promote energy efficiency. For instance, the Arkansas Public Service Commission approved *Rules for Conservation and Energy Efficiency Programs*, requiring all electric and gas utilities under the jurisdiction of the Commission to propose and administer energy efficiency programs. Available energy efficiency and/or renewable energy resources within the state are lists below.



State Programs

State Government: The State of Arkansas, through the Arkansas Economic Development Commission offers a comprehensive list of energy services and providers for commercial and industrial consumers. Another state agency, Department of Environmental Quality (ADEQ), offers small businesses low-interest loans to institute pollution control measures required by state or federal law, or to institute pollution prevention and waste reduction measures that reduce the amount of pollution produced by businesses. Also, ADEQ's Pollution Prevention (P2) Program provides free, non-regulatory assistance to Arkansas businesses interested in improving their operating efficiency and reducing their environmental impact. Additionally, Arkansas Material Exchange, a program of the Department of Environmental Quality, provides a directory of waste materials from companies or organizations that are available for reuse, reduction or recycling. Furthermore, Arkansas Energy Office offers industry energy management tools to optimize energy consumption of lighting, motors, motor drives, fans, pumps, compressed air, steam, boilers, heaters and furnaces.

Utility Resources

Investor-Owned Utilities: There are several investor-owned utilities (IOU) that extend energy efficient incentives to industrial customers. For example, Oklahoma Gas and Electric provides a host of energy analysis and assessment tools to assist industrial customers in analyzing their energy use and identify energy saving opportunities. American Electric Power, one of the largest IOUs in the country, offers industrial customers in Arkansas incentive payments for installing energy efficient measures. The selection of an energy efficiency measure is at the discretion of the individual AEP customers and their Energy Efficiency Service Provider.

Moreover, Arkansas Western Gas Company, a subsidiary of Source Gas, offers non-residential customers a raft of energy assessment and analysis tools to identify energy and cost saving opportunities. Entergy Arkansas offers two new energy reduction programs which reward commercial and industrial customers who curtail their energy usage during peak hours with cash incentives. The utility also provides a litany of energy analysis tools.

Electric Cooperatives: There are a number of electric cooperatives in Arkansas which offer incentives to industrial customers in Arkansas. For example, Petit Jean Electric Cooperative offers loans to businesses which conserve resources as well as a load management program. Similarly, Ozarks Electric Cooperative provides loans to member businesses for energy efficiency projects and Craighead Electric Cooperative offers its customers no-charge energy audits.

Regional Resources

Non-profit: Southeast Energy Efficiency Alliance (SEEA) mission is to promote and achieve energy efficiency through networking, program activities, and education.

Industrial Efficiency Centers: While Arkansas does not have an IAC within the state, but its close proximity to three others gives Arkansas' manufacturers access to these federally sponsored programs. University of Louisiana, Mississippi State University and Oklahoma State University IACs all offer small to midsize manufacturers with no-cost energy assessments.

Clean Energy Application Center: Southeast CHP Application Center mission is to provide application assistance, technology information, and educational support necessary to promote Combined Heat and Power.

Local Resources

Non-profit Organizations: The Arkansas Science & Technology Authority Technology Transfer Assistance Grant Program (TTAG) assists Arkansas' enterprises in developing or improving products or processes through the transfer of technical solutions to technology-based, industry-driven problems, thus enhancing that enterprise's market competitiveness. Also, the Arkansas Science & Technology Authority's Centers for Applied Technology Program provides incentives to Arkansas industry for their participation in applied technology research.

Manufacturing Extension Partnership (MEP): Arkansas Manufacturing Solutions (AMS) mission is to positively impact the state of Arkansas by improving the global competitiveness of Arkansas' industry. AMS services include Lean Enterprise, Training within Industry, and Environmental, Energy, Health and Safety.

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

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>)

Arkansas Department of Environmental Quality (<http://www.adeq.state.ar.us/poa/envloans.htm>)

Arkansas Economic Development Commission (<http://arkansasedc.com/>)

Arkansas Energy Office (<http://arkansasenergy.org/>)

Arkansas Science & Technology Authority (<http://www.asta.arkansas.gov>)

Entergy Arkansas Inc. (http://www.energy-arkansas.com/your_business/customized_programs.aspx)

Arkansas Western Gas Company (http://www.awgonline.com/showpage.php?page_id=business_services.htm)

Contacts

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Manufacturing Extension Partnership in Arkansas

Arkansas Manufacturing Solutions

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Web Site: <http://www.mfgsolutions.org/>

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

Clean Energy Application Center for Region

Southeast CHP Applications Center

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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>

INDUSTRIAL TECHNOLOGIES PROGRAM

American Electric Power- Arkansas (<http://www.aepeer.com/arkansas/CI/intro/index.htm>)

Craighead Electric Cooperative (<http://www.craigheadelectric.coop/content.cfm?id=2025>)

Oklahoma Gas and Electric (<http://www.oge.com/business-customers/save-energy-and-money/EnergyEfficiencySolutions/Pages/EnergyEfficiencySolutions.aspx>)

Ozarks Electric Cooperative (<http://www.ozarksecc.com/content.cfm?id=2035>)

Petit Jean Electric Cooperative (http://www.pjecc.com/load_management.ihtml)

SEEA (<http://www.seealliance.org/>)

University of Arkansas (<http://iemt.git.ualr.edu/>)

DOE Regional Contacts

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