



ILLINOIS COAL FACT SHEET

CURRENT MARKETS FOR ILLINOIS COAL

- Thirty-two million tons of Illinois coal was mined in 2007. ¹
- In 2007, the average open market sales price was \$33.60/short ton.²
- 49 percent of the electricity used in Illinois and 49.7 percent of the electricity used in the U.S. is generated from coal.³
- More than 90 percent of Illinois coal produced was purchased by the electric utility industry in 2007.
- Industrial and commercial users account for the remaining percent.³
- More than 80 percent of Illinois coal is sold to out-of-state utilities.⁴
- The top 5 utility users of Illinois coal in 2007 were: Tennessee Valley Authority, Duke Energy of Indiana, Northern Indiana Public, Inc., Tampa Electric Company, and Gulf Power Company.⁴
- Illinois utilities and industrial facilities used 5.6 million tons of Illinois coal in 2007.⁴

Source: 1 Illinois Dept. of Natural Resources Office of Mines & Minerals, Annual Statistical Report 2007;

2 Energy Information Administration, State Energy Profiles; http://tonto.eia.doe.gov/state/state_energy_profiles.cfm?sid=IL

3 EIA, Electricity Infocard; <http://www.eia.doe.gov/bookshelf/brochures/electricityinfocard/electinfocard2006/electinfocard.html> 4 Coal Transactions Analyzer: 1. February 2008. Platts COALdat 8.0. CD-ROM. McGraw-Hill Co. Inc. accessed 17 March 2008.

CLEAN-COAL TECHNOLOGIES

The Office of Coal Development oversees the largest state-sponsored coal research and development program in the United States. Laboratory-scale research projects initiate and advance technologies in the areas of coal combustion systems, coal residuals management and coal preparation. Development projects include technology maturation, technology transfer and commercialization projects.

- Illinois State Geological Survey (ISGS) is conducting a large-scale carbon dioxide sequestration demonstration project in the Mt. Simon Sandstone. The Midwest Geological Sequestration Consortium, the Illinois State Geological Survey and Archer Daniels Midland Company are working together on this project, which will involve the capture and storage of carbon dioxide from ADM's ethanol plant in Decatur, Illinois.
- Southern Illinois University in Carbondale (SIUC) developed and successfully tested an engineered, composite wooden element and wooden wedges that overcome most of the disadvantages of conventional cribs in underground mines. It was demonstrated that these crib supports and wedges are a viable primary support for mining areas, including longwall development entries. A new project will assist with commercial production of cribs in southern Illinois with appropriate quality controls.
- Southern Illinois University is installing an *I-Lab Coal to Liquids Research Facility*. This new laboratory is needed to increase research in Fischer-Tropsch conversion for the production of transportation fuels from Illinois coal.
- Researchers from Western Kentucky University are investigating the emissions of mercury from FGD scrubbers. This project will assist two utilities, who are primary users of Illinois coal within the State of Illinois, in determining the best way to meet Illinois mercury emission limits.

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ILLINOIS' COMMITMENT TO THE COAL INDUSTRY

- Since its inception in 1981, the Illinois Coal Research and Development Program has granted over \$75.1 million in state, federal and private funds for basic and applied research on coal extraction, coal combustion systems, coal preparation and coal residuals management.
- The Illinois Coal Demonstration Program is helping to demonstrate and deploy clean and efficient technologies for use with Illinois coal. Illinois' commitment of over \$146.3 million towards Clean-Coal Technologies has supported 31 clean coal projects within the state.
- The Illinois Coal Competitiveness Program is helping Illinois coal producers remain competitive. More than \$150.7 million in state dollars have produced \$1.8 billion in private infrastructure investments to coal extraction, preparation and transportation facilities across the state.

ADDITIONAL COAL FACTS

- Coal was first discovered in Illinois more than 300 years ago.
- Mining began in Illinois almost 200 years ago.
- Coal underlies 37,000 square miles of Illinois -- about 65 percent of the state's surface.
- Most of the coal is bituminous with high-energy values -- between 10,000 and 14,000 Btu/lb.
- Illinois' coal reserves contain more Btu's than the oil reserves of Saudi Arabia and Kuwait.
- Each day, every American uses about 20 pounds of coal in the form of inexpensive and increasingly clean, coal-based electricity.
- Recoverable coal reserves in Illinois (38 billion tons) account for almost one-eighth of the total U.S. coal reserves and one-quarter of the nation's bituminous coal reserves.
- Illinois ranked ninth among coal producing states in 2007.
- Illinois coal was mined in 11 counties in 2007.
- In 2007, 20 Illinois mines employed 3,001 miners and generated roughly 20,000 spin-off jobs.
- 17,000 acres of Illinois cropland have been surface mined and reclaimed to the original productivity.
- 21 percent of Illinois coal production was from surface mining in 2007.
- The typical coal miner earns \$45,450 per year.
- In 1981, Illinois recorded the first fatality-free year in mining history.
- 3,700 Illinois miners produced 40 million tons of coal in 1999, as much as 15,000 miners produced in 1954 and 41,000 miners produced in 1927.

For additional information contact:

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