



[www.sikestonbmu.org](http://www.sikestonbmu.org)

The Sikeston Board of Municipal Utilities (BMU) is a city-owned utility providing the City of Sikeston with electric, water, sanitary sewer and fiber services. BMU facilities include a power plant, five electric substations, three water production plants, two wastewater treatment plants and a fiber-optic communication system. We service approximately 8,700 residential and business customers. BMU utility rates are among the lowest in the state of Missouri.



### **SIKESTON WHOLESALE ELECTRIC SYSTEM**

The Sikeston Wholesale Electric System is comprised of a 235 megawatt coal-fired plant, a 34 megawatt purchased power agreement with the Southwestern Power Administration for hydroelectric power, purchase power and enabling agreements with a majority of utilities in the region, and an energy trading department with capabilities to manage Sikeston's electric needs and obligations around the clock.

Our coal plant has been in operation since 1981 and was recently ranked in the top 10 coal plants in the country for highest capacity factor. We've had the hydroelectric purchase agreement since the 1960's. Our energy trading department is over 25 years old and has bought and sold power with a multitude of counterparties in the states east of the Rocky Mountains.

Sikeston uses about 20% of the energy from the coal plant. The remainder either goes to supply our power contracts with Columbia, Fulton, Carthage, and West Plains or is sold in wholesale power markets. The hydroelectric agreement provides a minimum of 12% of the energy Sikeston uses per year. This set of resources has allowed Sikeston to be either the lowest rate or in the top 5 lowest rates in Missouri for the last 20 years,

### **WATER DEPARTMENT**

Sikeston currently has three water treatment plants, which are fed from eight deep wells. These plants can provide Sikeston with over six million gallons of water per day. Sikeston's average water consumption is approximately 3.5 million gallons per day with a peak daily consumption of approximately 6.2 million gallons. A new 4.3 million gallons per day water treatment plant will be added in 2021. Our access to the Wilcox aquifer provides quality water and reduces exposure to ground level activities.



### **SEWER DEPARTMENT**

The sanitary sewer system includes one orbital oxidation ditch and two contact stabilization treatment plants that provide a total design capacity of 4.4 million gallons per day. The current average daily load on the facility is 2.3 million gallons per day. The BMU sewer department also operates an aerated lagoon wastewater treatment facility that serves the Sikeston Business, Education and Technology Park on Highway 61 north.

## SIKESTON RETAIL ELECTRIC SYSTEM



The retail system has 2 separate interconnections to the Bulk Electric System. Those interconnections feed a 69 kv transmission loop around the city. 5 distribution level substations are interconnected with this 69 kv transmission loop. This gives each substation 2 connections to the main power supply and increases reliability. Each of the substations has a main and secondary transformer, both capable of carrying 100% of the substation load. Each of the substation distribution circuits can be supplied from alternate circuits. Overall, redundancy is incorporated throughout the system from the BES interconnections down through the individual distribution feeders. Load profile is approximately 40% Residential, 40% Commercial,

and 20% Industrial.

## FIBER

In 1999 BMU constructed a 33-mile fiber optic communications backbone throughout Sikeston. This fiber backbone gives BMU the ability to connect, monitor and communicate with all components of the electric, water and sewer systems. This connectivity gives BMU the means to automate operations of electric substations, improve service reliability and reduce operational and maintenance costs. The fiber system also allows Sikeston to link all BMU facilities, City Hall and all Department of Public Safety facilities on a high-speed, wide-area communications network.



## ABOUT BMU

The Board of Municipal Utilities currently employs 137 people. There are 71 employees at the Power Plant; 42 in the Retail Department; and 24 at our Main Office. The majority of our company is skilled labor consisting of Journeyman in the following Power Plant departments: Mechanical Maintenance; Electrical; Instrumentation; Operations; Laboratory; Warehouse; and in the Coal Yard at our Power Plant. Our Retail Departments consist of different positions from Distribution System Utilitymen and Linemen to Water and Wastewater Plant Operators. The Administrative Staff is located at our Main Office and consists of Cashiers, Customer Service, Accounting Department, Personnel Department, Engineering, and Management, who oversees all of the operations. The Main Office, located at 107 East Malone Street, can be contacted by calling 573-471-3328 or by mail at Sikeston Board of Municipal Utilities, PO Box 370, Sikeston, MO 63801

## LOCAL STATUTES and ORDINANCES

Article IV Section 130.240 of the Municipal Code of the City of Sikeston states “There is created the Board of Municipal Utilities of the City, which shall have exclusive jurisdiction, control and management of the department and all its operations and facilities. The Board shall have all powers and duties possessed by the City to construct, acquire, expand and operate utility systems, and to do any and all acts or things that are necessary, convenient or desirable in order to operate, maintain, enlarge, extend, preserve and promote an orderly, economic and business-like administration of the utility systems. The Board shall operate as a separate unit of City government; and except as otherwise provided in this article, both the Board and the Department shall be free from the jurisdiction, direction and control of other City officers and of the City Council.”

The BMU Board consists of four members appointed by the City Council for a term of four years each. The Board is responsible for establishing BMU policies and recommending utility rates for the Retail System. Rate recommendations are presented to the City Council for approval.