

Plant Mitchell
 5200 Radium Springs Rd.
 Albany, GA 31705
 (912) 436-2472
 For plant tours, call:
 (912) 438-3162



MITCHELL
 PLANT MITCHELL

Operated And Maintained By





OUR MISSION

*Plant Mitchell will
produce electricity in a safe,
reliable and efficient manner through
continuous employee involvement,
therefore, maintaining respect as
"A Citizen Wherever
We Serve."*



POWER FOR THE FUTURE

On 243 acres in Dougherty and Mitchell counties near Albany sits a vital part of Georgia's energy future and economic growth: the Mitchell Generating Plant. The 288,200-kilowatt coal-fired and combustion turbine facility provides enough electricity in six months to power a town the size of nearby Albany. Plant Mitchell is small in comparison to some generating stations in the nation.

Named for W. E. Mitchell, former president and general manager of Georgia Power, Plant Mitchell will support continued growth benefiting all Georgians.

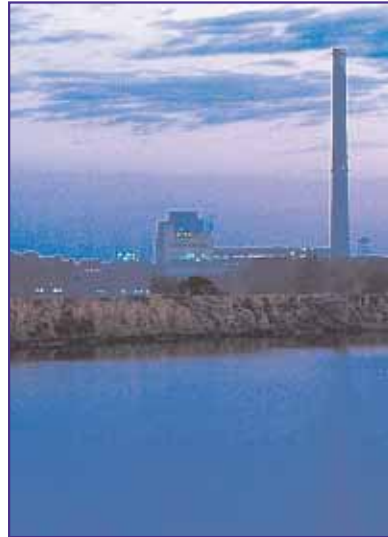
ABOUT THE PLANT

Units One and Two are General Electric generators rated at 22.5 megawatts or 22,500 kilowatts. Unit Three is a Westinghouse generator capable of producing 165 megawatts.

Plant Mitchell also has three combustion turbines that use jet engines to turn the generators. These jet engines are the same engines used on many airplanes today. These generators are rated at 32 megawatts each.

The main operating area of the plant site includes the powerhouse and the turbine area for all units, ash disposal ponds, coal storage yard, and a 230/115/46/12-kilovolt substation that feeds electricity generated at the plant into Georgia's Integrated Transmission System.

The plant meets or exceeds requirements of state and federal agencies including the Environmental Protection Agency (EPA), the state Environmental Protection Division (EPD), U.S. Department of Energy, U.S. Occupational Safety and Health Administration (OSHA), and the U.S. Equal Employment Opportunity Commission (EEOC).



HOW ELECTRICITY IS PRODUCED AT PLANT MITCHELL

Plant Mitchell operates on the same principles as other fossil-fueled electric generating plants. Coal that has been ground into a fine powder by a pulverizer is blown into a furnace-like device, called a boiler, and burned. The heat produced converts water, which runs through a series of pipes in the boiler, to steam. The high-pressure steam turns the blades of a turbine, which is connected by a shaft to a generator. The generator spins and produces electricity.

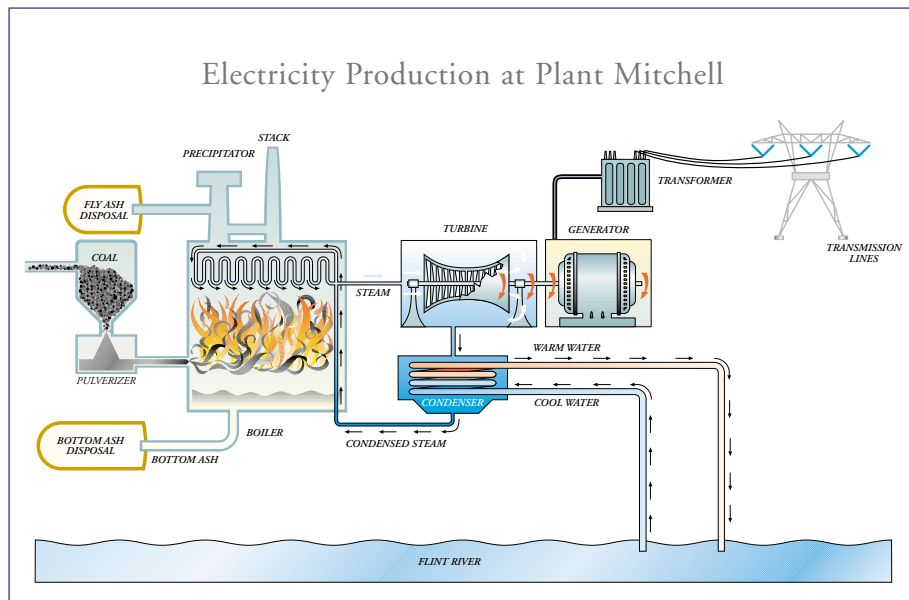
The three turbines at Plant Mitchell are powered by boilers capable of producing 1.4 million pounds of steam per hour. With all three units in full operation, the boilers burn about 1,700 tons of coal a day, or 620,500 tons a year. The enormous amount of coal needed to operate Plant Mitchell is kept in a storage and handling area next to the powerhouse. The plant has a coal-handling system capable of unloading a 100-car train in four days.

An ample supply of coal is maintained at the site at all times, allowing the plant to continue operations should there be an interruption in coal deliveries.

A condenser for each unit converts turbine exhaust steam back into water so it can be returned to the boiler for reuse in the steam-making process. In this closed cycle, the same water is used repeatedly.

A separate loop of water drawn from the Flint River serves as coolant in the condensers. After its trip through the condensers, this cooling water is pumped back into the river.

As electricity is generated at Plant Mitchell, it is conducted to an adjacent substation where a power transformer increases the voltage. The high-voltage electricity is then fed into transmission lines for distribution throughout the state.



ENVIRONMENTAL COMPLIANCE

Georgia Power incorporates strict environmental standards into operating any generating facility, and Plant Mitchell is no exception.

Samples of the plant's coal supply are analyzed regularly to ensure it complies with state air-quality regulations. To further protect the environment, electrostatic precipitators are used to remove more than 96 percent of the fly ash from the flue gases that leave the boiler after the coal-burning process. Opacity and gas monitors in the facility's 500-foot-tall stack continually measure and record the plant's emissions. The water going back into the Flint River is monitored to prevent any thermal pollution to the river.



Environmental technicians monitor the environment around the plant to ensure compliance with state and federal regulations.

Environmental stewardship is demonstrated through involvement in various habitat-enhancement activities and participation by employees in environmental activities within the company and

the community. Through the plant's recycling program, tons of cardboard, paper and metal are recycled annually.

Through participation in Southern Company's Environmental Excellence Program, Plant Mitchell monitors all environmental trends and makes continuous improvements to the plant. Protecting the air, soil, water and wildlife is of paramount importance to Plant Mitchell's employees. The program helps create the highest possible environmental awareness among employees. They take pride in seeing that their plant attains or exceeds all environmental standards, helping to solidify the company's position as an environmental leader. It is our policy to comply with or exceed all environmental laws and regulations. Plant Mitchell's management gives this issue the highest priority.

ECONOMIC EFFECT

Plant Mitchell has had a significant effect on the economic vitality of Dougherty and Mitchell counties. It will continue to do so throughout its operating life.

The facility permanently employs about 64 people, most of whom live in Dougherty and adjoining counties. It has an annual payroll of nearly \$3.2 million. In addition, Plant Mitchell pays more than \$757,000 each year in property and sales taxes to Dougherty and Mitchell counties.

Plant Mitchell not only contributes to the economy of South Georgia, but also helps assure an adequate supply of electricity for the entire Southeast's economic growth.



Plant Mitchell employs 64 people from the Dougherty and Mitchell county areas.

SAFETY & HEALTH

The health and well-being of employees at Plant Mitchell is of the utmost importance. Safety is top priority in each of the many daily work activities, which stretch throughout this facility. The employees' commitment to creating the safest work environment in the nation is exemplified by their various actions including



daily safety briefings, training and safety observations, and recognition programs.

The safety philosophy of all Plant Mitchell workers can be found in one simple statement: "No job is so urgent or so important that it can't be done safely." This simple statement reminds everyone that safety and health truly is priority No.1.

EMPLOYEES AND COMMUNITY SUPPORT

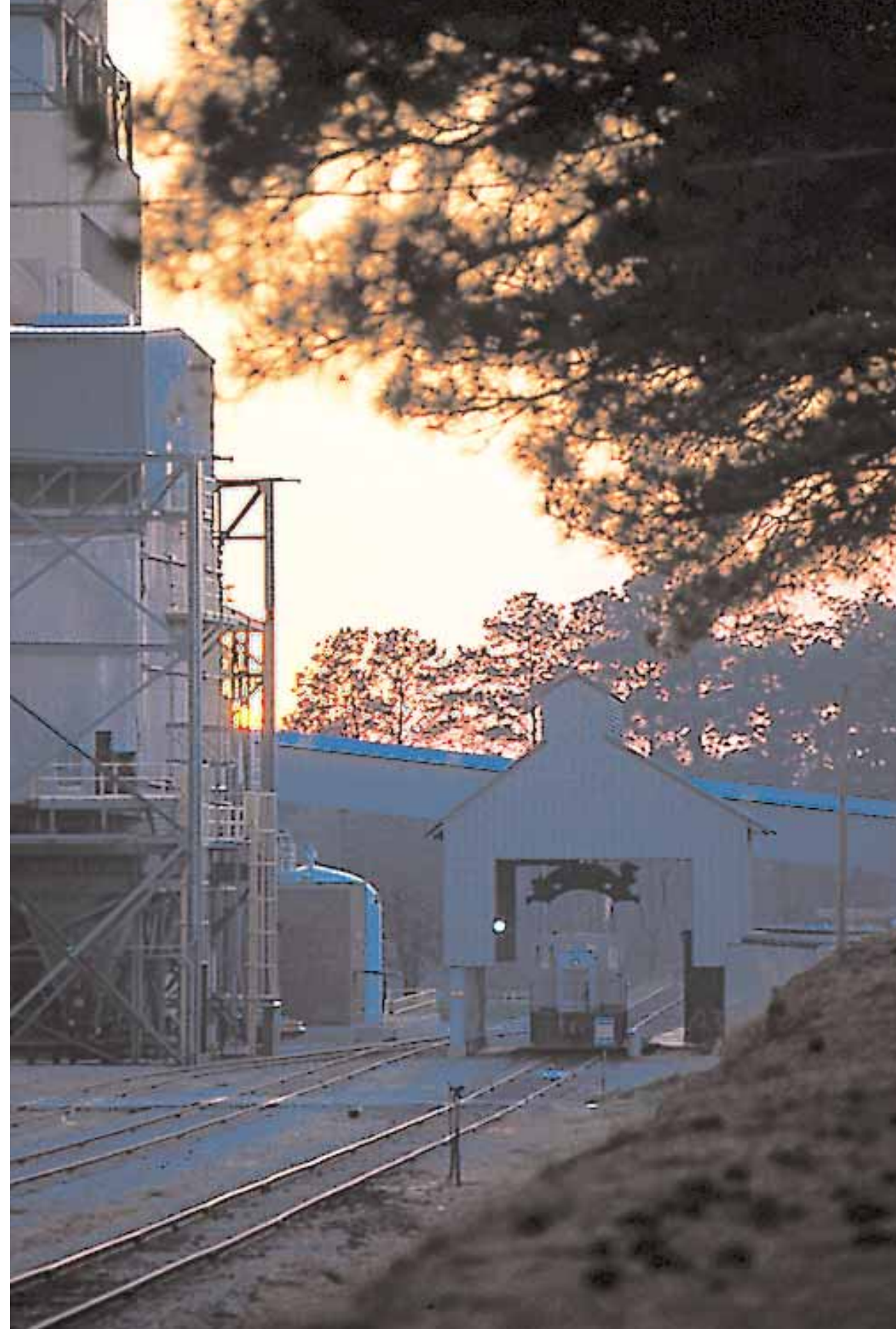
Plant Mitchell's team of employees is the foundation of the plant. They participate in many programs through the Citizens of Georgia Power, a non-profit employee service organization.

Employees also actively participate in and contribute to many community service organizations including March of Dimes, United Way and the American Cancer Society. They actively join in American Red Cross blood drives."

They act as mentors and participate in programs such as Adopt-A-School, powerTOWN, an electricity safety program, and Environmental Teachers Corps. They are educating the community about energy, safety and Georgia Power.



Plant Mitchell employees and their families after a March of Dimes fund-raising walk



GEORGIA POWER AND SOUTHERN COMPANY

Georgia Power is the largest of five operating companies owned by Atlanta-based Southern Company, the largest investor-owned utility in the United States. The others are Alabama Power, Gulf Power, Mississippi Power and Savannah Electric. Southern Company also is parent to Southern Energy Inc., which designs, builds, owns and operates power production and delivery facilities and provides a broad range of energy-related services in the United States and international markets. Southern Company is the largest producer of electricity in the United States. By the end of 1998 Southern Company generated 164 billion kilowatt-hours at its U.S. facilities and operated more than 43,000 megawatts of capacity worldwide.

Georgia Power contributes 14,436 megawatts to Southern Company's total. It supplies electricity to 97 percent of the state of Georgia and has a transmission network serving 1.8 million customers. At the end of 1998, Georgia Power operated 43 plants with 153 generating units within its service territory.

Fossil fuels account for about 74 percent of the electricity generated by Georgia Power. The remainder is supplied by nuclear and hydroelectric plants.

