



## CASE STUDY

# The Georgia Power Robert W. Scherer Electric Generating Plant, JULIETTE, GA



**MANUFACTURING/INDUSTRIAL**  
**POWER GENERATION/TRANSMISSION/COGENERATION**

**OPERATING COMPANY:**  
PPM

**CLIENT:**  
Georgia Power Company

**MECHANICAL CONTRACTOR:**  
PPM

**PROJECT DURATION:**  
Ongoing

### VALUE DELIVERED

Reliable ongoing operation; single-source expertise for managing and completing work during scheduled outages; dependable skills and manpower for routine, emergency and other maintenance activities; industry-leading scaffolding, welding, rigging and other specialized services; optimum safety; minimum downtime with maximum productivity; reduced cost of ownership; continuous ability to meet regional energy needs.

### OBJECTIVES

To maintain its plant and equipment for maximum reliability and performance.

### SOLUTIONS

PPM helps this client meet its objectives by maintaining four 880-megawatt generators as well as virtually all other plant components at the East coast's largest coal-fired steam generating plant.

Meeting the plant's varied needs, however, requires the expertise and skills of a diverse assortment of technicians. In addition to fossil-fuel utility and millwright crews responsible for conveyor belts, rollers and similar components, the company's electrical crew handles lighting, temporary power, equipment control upgrades and related projects, while a mechanical crew takes care of piping problems, boiler and steam leaks, and various mechanical issues. Still other company personnel provide scaffolding services, repair missing or deteriorating insulation, and handle boilermaking and welding tasks. The company also provides grass mowing, planting and other groundskeeping services for the plant's 3,500-acre site.

**TECHNICAL SOLUTIONS**  
Relationships  
Quality Service  
**VALUE ENGINEERING**  
Experience  
Project Schedule & Coordination  
**EXPERTISE**

- New Construction
- Retrofit
- Electrical Construction
- Mechanical Construction
- Facilities Services
- Consulting Services

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## SOLUTIONS continued

During scheduled plant outages, PPM plans and manages the entire maintenance process. Using as many as 250-275 people, the company performs a comprehensive series of maintenance routines that cover virtually all plant equipment and systems, including boilers, turbines, condensers, precipitators, ductwork, air heating systems, drives, valves and underground piping.

**Other information:** On all its facilities management projects, safety is PPM's number one priority. Using a combination of its own Target Zero Safety Program and EMCOR's Be There For Life – Zero Accident Program, the company has compiled close to one-million manhours over the past three years without a recordable incident.

## BACKGROUND

Named for Robert W. Scherer, former chairman and chief executive officer of Georgia Power, Plant Scherer provides enough electricity in one year to power three cities the size of nearby Macon, making it one of the largest single generating stations in the nation. In addition to the powerhouse and turbine area, the plant site includes a 750-acre ash disposal pond, 300-acre ash settling pond, 40-acre retention pond, 90-acre coal storage yard and 500-kilovolt substation that feeds electricity generated at the plant into Georgia's Integrated Transmission System.



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