



Signature Project

Energy - Power Delivery

McCall Road Substation

Schedule:

Design Start: 9/2004
Mobilization: 10/2004
Energization: 05/2005

OCI Role:

Engineering, Procurement, and Construction (EPC), and Construction Management

Significant Aspects:

- Installed over 100,000 cy of backfill
- Installed nearly 30 miles of power and control cable

Project Manager:

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For more information on how OCI can provide effective project execution and innovative solutions to meet your challenges, please contact:

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Rincon, Georgia

Georgia Transmission Corporation

In 2004, Overland Contracting Inc. (OCI) provided a complete turnkey substation for the Georgia Transmission Corporation. McCall Road Substation, located near Savannah, Georgia, is a new 500/230kV interconnection substation. The substation included a three-position 500kV ring bus and three position 230kV ring bus configuration. The bus tie transformer was made up of four single phase 200 MVA units. The project connected existing combined cycle generation plant into Georgia's Integrated Transmission System (ITS).

The project schedule was extremely aggressive. The total time from design through construction and energization was less than nine months. Challenges included installation of over 100,000 cubic yards of fill, 4,000 cubic yards of concrete, and nearly 30 miles of power and control cable. During design of foundations, a poor soil layer was discovered and a complete redesign of foundations from drilled pier to driven pile was performed. Sufficient earthwork was completed by late November 2004 to commence piling installation. Piling work was completed by late December and all foundation work was completed by early February 2005.

Electrical work commenced in early January 2005 and was completed with the installation of the transformers in late April. Energization of the substation was completed on May 18, nearly two weeks ahead of the planned June 1 date.

