



Signature Project

Energy - Emergency Diesel Generators

Fort Myers Blackstart Diesel Generators

Schedule:

Project Start: 02/2005
Project Complete: 07/2005

OCI Role:

Physical Design,
Construction and Startup

Technology / Fuel:

Blackstart and Safe
Shutdown Diesel
Generators

Project Manager:

Randy Paulson
919-462-7412
paulsondr@bv.com

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

Stan Turner
678-806-1029
turners@bv.com

Chad Pulley
913-458-4527
pulleycr@bv.com

Ft. Myers, Florida

Florida Power & Light Company

In 2005, Overland Contracting, Inc. (OCI) provided the design engineering and construction services to install and startup three unit blackstart and safe shutdown diesel generator system at Florida Power & Light's (FPL) Fort Myers Combined Cycle Generating Facility, located in Fort Myers, Florida. The system consisted of three owner provided 2,250kVA Caterpillar diesel engines joined together through a common medium voltage switchgear that tied into the existing plant in a variety of locations. OCI's scope also included an upgrade of the power system for four existing simple-cycle combustion turbines that are necessary for sequentially starting the combined-cycle combustion turbines.

OCI's scope of work included the following:

- Foundation and underground utilities design for the diesel generators, paralleling switchgear, transformers and switchgear for the existing peaking units as well as the associated appurtenances.
- Design for an above ground raceway sleeper system to tie the new system into the existing plant.
- Electrical cable and raceway design, including underground and overhead raceway systems, grounding, lighting, lightning protection, and circuit list.

