



Potter Station Power Plant Gas Turbine Generator Replacement

Location: Tunis, Ontario, Canada

Client: Bluebird Construction

Gryphon Contact: Jim Noordermeer

Project Summary Fast-track replacement of existing gas turbine generator with a new Stewart & Stevenson LM6000 and modifications to existing plant auxiliary systems and distributed control system.

Project Services Gryphon provided the following detailed engineering services:

- Design for demolition and removal of existing structure and equipment.
- Design for pilings, new foundations, and structures for the installation of the new turbine generator.
- Detail design of glycol heating and cooling systems, condensate system, fuel gas system, instrument air system, instrumentation and controls.
- Design coordination and modifications with original manufacturers of once through steam generator (OTSG), and distributed control system.
- Design coordination with the suppliers for the gas turbine generator, 15 kV switchgear, and static excitation system.
- Detail design of 15 kV cable bus duct, new motor control centers, and interconnection wirings.
- Startup and commissioning assistance services.
- Performance testing assistance.



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