

Project Information

Project: East Windsor-100 MW Cogeneration Project



Owner: Pristine Power Inc.
Contractor: AECON Industrial
Design/Build & Engineering: EPTCON Ltd.

EPTCON Ltd. provided the design/build and complete electrical engineering services for a new 115 kV Transformer station for 2- 110 MVA Transformers and 3- Circuit Breakers. We also installed 120kV underground cables for Interconnect to HONI. The scope of work included:

- Production of single and three line diagrams.
- DC schematics for relay protection schemes and transformer breaker controls.
- RTU communication integration with protection relays and IESO/HONI equipment.
- Line and transformer protection trip logic diagrams
- Cable and termination schedules
- Connection Wiring Diagrams (CWD)
- Development of HMI diagrams
- Production of RTU point lists to communicate with HONI SCADA, IESO SCADA and plant DCS.

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Site Construction

- Substation construction including all civil and electrical work.
- Transformer assembly, oil fill and testing.
- 115kV switchyard containing 3 Mitsubishi SF6 circuit breakers.
- 120kV underground cable installation for interconnection to HONI.