

## TransCanada Station 130 Update Project

### Vaughan, ON

**Owner:** TransCanada Pipelines

**Value:** \$25,000,000

**Date:** January 2014

**Trades:** Multi-trade



#### Project Description and Scope:

The TransCanada Station 130 Update Project was the complete construction of a \$25 million new Natural Gas Compression facility which included the installation of (2) Solar MARS gas compressors for the existing Station 130 Plant in Toronto, Ontario.

State was the Prime Contractor on the project and self-performed most services including all civil ground disturbance work, concrete foundations, site services and all yard work. State was responsible for pile foundations and erection of the sound attenuated Gas Compression building. State set all of the equipment, including the (2) gas turbine/compressor packages, ancillaries and APU (Standby Generator) Skid Building. State also shop fabricated 3 large skid buildings in our CSA A660 Certified shop and installed them on site.

State shop fabricated and installed on site all large bore (up to 42"), small bore piping & all supports from the yard limits to the compressors, including High Pressure Gas, Fuel Gas, Utility Gas, Lube Oil, and other services. State also completed all electrical and instrumentation systems, including all instrument tubing and devices.

- Over 150,000 craft man-hours self-performed
- Peak of over 200 personnel onsite
- Zero lost time injuries safety record
- Project Schedule started February 2013, substantial completion was achieved in August 2013, and the facility was available for service in November 2013
- Multiple client quality audits with successful results
- Under State's ISO 9001:2008 Quality program, met the requirements of
  - ASME B31.3 Process Piping
  - ASME Section IX Welder Qualification
  - ASME Section V NDE Requirements
  - CSA W47.1 and W 59 Structural Steel Requirement
  - CSA Z662 Oil and Gas Pipeline Systems
  - CSA S16.1-94 Design of Steel Structures
  - CSA C22.1 Canadian Electrical Code
  - CSA A660-10 Steel Building Manufacturing
  - National Energy Board Requirements and inspections