

Tuft's Cove Generating Station



CLIENT: Nova Scotia Power Inc. (NSPI)

TYPE: Mechanical, Piping, Structural, Electrical, and Instrumentation

SECTOR: Power Generation

DURATION: 2010 – 2011

LOCATION: Dartmouth, NS



As part of NSPI's mandate for renewable energy, the Unit 6 project consisted of a 50-megawatt heat recovery steam generator to utilize waste heat recovered from two natural gas combustion turbines.

Scope of Work

The new system included two boilers and a condensing steam turbine generator. Cahill's scope of work for the project included:

- Erection of two boilers.
- Fabrication of carbon steel, stainless, and chrome piping materials.
- Site installation for:
 - Mechanical
 - Piping
 - Structural
 - Electrical and Instrumentation

Highlights

- Management of multiple trades in a confined area.
- Installation of turbine and generator.
- Technical support to turbine manufacturer.
- Instrumentation and controls package included the distributed controls for both the high-pressure and low-pressure steam system.

Quick Facts

50-megawatt heat recovery system.

100 people at peak workforce.

600 tonnes – total weight of boilers.