

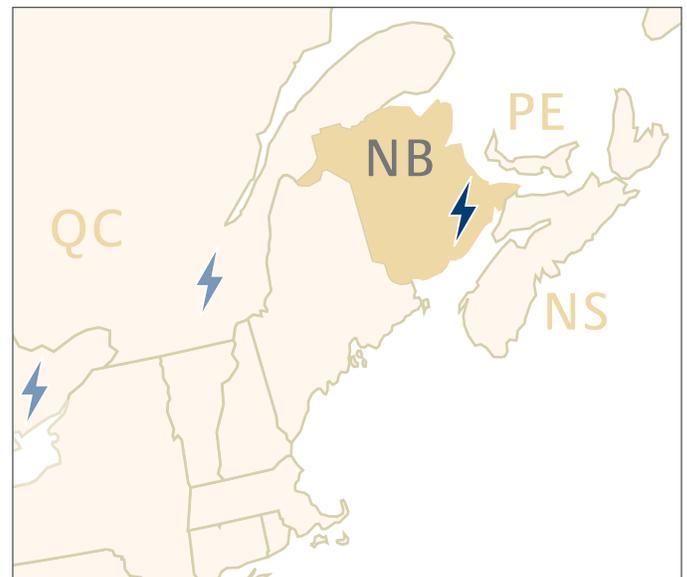
# Grandview Cogeneration Plant.

## Overview

Grandview is an 88 megawatt (MW) gas-fired cogeneration power plant that is situated within the Irving Oil Refinery in Saint John, New Brunswick.

The core pieces of equipment within the facility are two GE LM6000PD gas turbine generator (GTG) sets, each rated at 44 MW nominal. The GTGs operate in conjunction with Heat Recovery Steam Generators which are owned by Irving Oil Ltd. The gas turbines and heat recovery steam generators have the capability of operating independently of each other. The gas turbines can operate in cogeneration or simple cycle mode and the heat recovery steam generators can operate in cogeneration or fresh air firing mode.

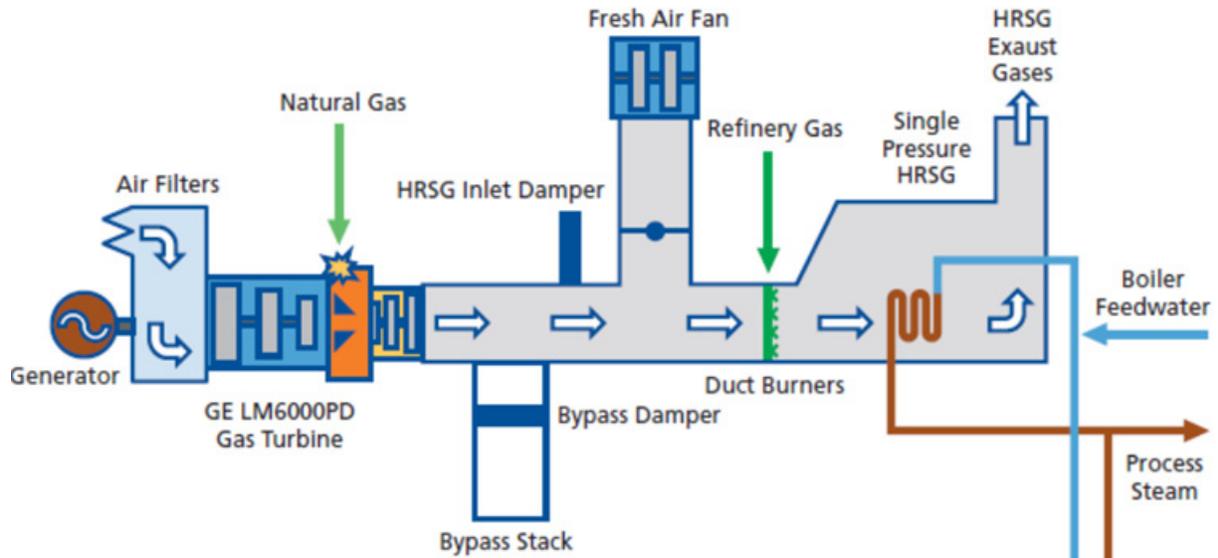
The Facility has been engineered with black start and islanding capabilities. The islanding capabilities allow separation from the electrical grid under certain circumstances. The black start capability allows the facility to restart independent of the electrical grid in the event of a grid outage.



Grandview Cogeneration Plant ⚡

Power plants ⚡

## Grandview plant schematic



### Facility highlights

#### Configuration:

2x cogeneration

#### Location:

Irving Oil Refinery, Saint John, New Brunswick

#### In-service date:

December 2004

#### Capacity:

88 MW electricity

#### Fuel:

Natural gas

#### Environmental features:

Highly fuel efficient - 75% at design conditions. Dry low NO<sub>x</sub> combustion technology to minimize air emissions

#### Owner:

TC Energy Corporation

#### Operator:

TC Energy Corporation (through contract with Irving Oil)

### For further information on this facility:

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