



RAINBOW LAKE COGENERATION PLANT

Alberta, Canada

Capacity

- 90 megawatts
- 65 tonnes/hr. of steam

Equipment

- Two gas turbine and generator packages
- One heat recovery steam generator

Highlights

- Short term contract with the Transmission Administrator to provide transmission system support services

Commissioned

- 1999 and 2001

Ownership

- ATCO Power – 50%
- Husky Oil – 50%

This 90-megawatt gas-fired cogeneration and peaking facility is adjacent to a gas plant owned and operated by Husky Oil at Rainbow Lake, 900 kilometers north of Edmonton. The first unit began operating in February 1999 and the second one in December 2001.

The plant features two LM6000 gas turbines and one heat recovery steam generator. Husky's gas plant uses the steam produced by the plant. Electric energy is sold into the Power Pool of Alberta.

The plant's location in northern Alberta results in improved reliability and significantly reduces line losses in a relatively remote part of the province.



ATCO Power

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