



SHEERNESS THERMAL GENERATING STATION

Alberta, Canada

Capacity

- 760 megawatts

Equipment

- Units 1 and 2 have Hitachi turbines and generators
- Boilers are Alstom

Highlights

- First unit commissioned in 1986
- The second unit was commissioned in 1990
- Operated by ATCO Power

Ownership

- ATCO Power – 50%
- TransAlta Cogeneration LP – 50%

The Sheerness Generating Station is located about 200 kilometers northeast of Calgary near Hanna and is a major employer of people living in the farming communities surrounding the station.

The majority of Alberta's electric energy comes from coal-fired generating stations like Sheerness.

Water is pumped from the Red Deer River into a cooling pond to provide water for the station.

The cooling pond is also a source of water for the town of Hanna and surrounding communities, irrigation water for farmers along the route, and is also a valued recreation area for residents.

The Sheerness Generating Station works with mining company Prairie Mines & Royalty Ltd. to ensure that the mined land is returned to levels of productivity as good as or better than what existed prior to mining.

Sheerness has received its registration with the International Organization for Standardization's Model for environmental management systems under ISO 14001.

Being ISO registered demonstrates that the station has met a demanding international standard and has processes in place to effectively manage the environmental aspects of generating electricity.



ATCO Power

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