



SCOTFORD COGENERATION PLANT

Alberta, Canada

Capacity

- 170 megawatts

Equipment

- One GE 75A gas fired turbine with low NOx burners
- One heat recovery steam generator with supplemental gas fired duct burners
- One Alstom steam turbine
- Associated support equipment

Highlights

- Two-thirds of the electric energy produced is used by the Athabasca Oilsands Upgrader with the balance being sold to the Power Pool of Alberta

Commissioned

- 2003

Ownership

- ATCO Power – 100%

A 170-megawatt cogeneration plant was constructed to provide steam and electricity to meet the thermal and power needs of the Athabasca Oilsands Upgrader. ATCO Power is the operator and 100% owner of the cogeneration facility.

The Upgrader utilizes two-thirds of the electricity generated with the balance being sold to the Alberta Interconnected Grid. Energy from the exhaust of the gas turbines is recovered in the heat recovery boiler to provide steam for the Upgrader and steam turbine.

The Scotford Cogeneration Plant, constructed at the Shell Scotford Refinery Site east of Fort Saskatchewan, Alberta, is part of the Upgrader facility. The Athabasca Oilsands Upgrader is a joint venture between Shell Canada Limited, Chevron Canada Resources Limited and Western Oilsands LP. The Scotford Upgrader now treats 155,000 barrels of bitumen per day into a range of premium, synthetic crude oils since late 2002.

The Upgrader is operated by Shell Canada Limited.



ATCO Power

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