



# JOFFRE COGENERATION PLANT

Alberta, Canada

## Capacity

- 480 megawatts
- 530 tonnes/hr. of steam

## Equipment

- Two Westinghouse 501 F gas turbines
- Two Nooter/Erikson heat recovery system generators
- One Toshiba steam turbine

## Highlights

- Long-term power and steam agreements with NOVA chemicals
- Merchant plant sales to the Power Pool of Alberta

## Commissioned

- 2000

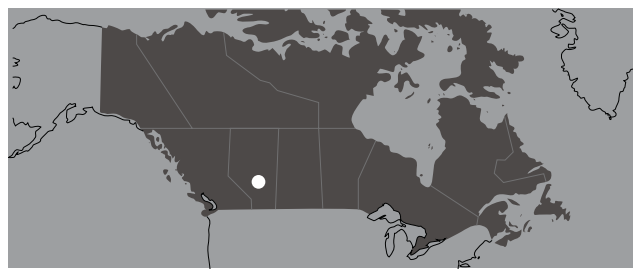
## Ownership

- ATCO Power - 40%
- EPCOR Power Development Corp - 40%
- NOVA Chemicals Ltd - 20%

ATCO Power, NOVA Chemicals Ltd. and EPCOR Power Development Corp. built a 480-megawatt natural gas-fired cogeneration plant to meet the substantial steam and electric energy needs of NOVA's world-class petrochemical facility at Joffre in central Alberta near Red Deer. The plant also sells electric energy into the Power Pool of Alberta.

The cogeneration plant was part of a \$1.8-billion expansion at NOVA Chemicals' Joffre site that included additional ethylene, polyethylene and linear alpha olefin production capacity.

The cogeneration plant was jointly constructed and is currently owned by ATCO Power, NOVA Chemicals and EPCOR. ATCO Power leads the operation of the facility and, along with EPCOR, markets surplus power from the facility.



**ATCO Power**

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