

GAS-TO-WATER CASE STUDY

Conoco Phillips, gas compressor station,
Canada



Overview

- Econotherm GW 1200 finned to finned pipe heat exchanger
- 1.2-MW process water heater (Genset)
- Remote location: chosen for high reliability, no single point of failure, low fouling, easy cleaning and low maintenance, small footprint and weight
- Client indicates they will order many more once first is proven

Parameters

Exhaust temp in/out

454°C/180°C

Water temp in/out

50°C/90°C

Exhaust/water mass flow

28,567/14,470 kg/h

Exhaust pressure drop

750 Pa

Energy recovered

1,200 kW

Recovered energy value

\$227K USD/year (€210K)

Project cost

\$49 USD (€45K)

