

ENERGY

anytime...

Complete solutions for power generation



Owner:



Parkdale International

Contractor:

Energy International Corp.

Engines:

2 x Cat® 16CM32C engines manufactured in Kiel, Germany

Location:

Green Valley Industrial Park (Free Zone)
Naco-Quinistan, Santa Barbara, Honduras

Application:

Electric power generation with cogeneration of steam & chilled water.

Technical Data:

Electrical power output: 14.9 MW power plant

Steam output: 4.6 ton/hour

Chilled water output: 2400 gpm @ 44 F



Parkdale Energy

Fuel:

Heavy fuel oil - 500 cst @ 50C°

Generator:

3 phase synchronous generator
2 x 9,081 kVA, 13.8 kV, 60 Hertz

Distribution & Control:

13.8 kV Switchgear, 440 V MCC, control
and monitoring system (SCADA)

Turnkey Responsibility:

Energy International

Commenced Operations:

January 2007

Operation & Maintenance:

Five year O&M contract with
Energy International.



Customer Benefits

Increased power quality and reliability

Due to poor electricity and reliability with the help of Energy International Parkdale installed generator sets to produce and control its own power supply.

Cost effective power

Use of cogeneration technology permits more efficient power production per kilowatt hour, enabling Parkdale to produce energy in a more cost effective way.

Parkdale has become an Independent Power Producer (IPP)

Parkdale's new cogeneration plant produces energy with cost efficiency which allows Parkdale to become an IPP and supplement the demand for energy to other industries. Therefore, Parkdale is able to sell its excess power capacity back to the public grid and to other industries.