

# 3 X 7.5 MW Cogeneration Power Plant for Sale

## Capacity

Each Unit 7.5 MW, 45 tons/hr steam  
3 units available

## Fuel

Natural Gas

## Year Commissioned

2010



## Year Shut Down

2014

## Operation Hours

Unit 1: Less than 2,000 hours  
Unit 2 & 3: Less than 7,000 hours



## Major Equipment

- SOLAR TAURUS 70 Gas Turbine Generator
- SOLAR TAURUS 70 gas turbine
- Heat recovery steam generator
- Super heated steam boiler
- Fuel system
- Lube oil system

### **For more information contact -**

**Dan O'Leary**

sales@phxequip.com

+1 732.442-6990

### **To discuss plants you are selling -**

**Jesse Spector**

jesse@phxequip.com

+1 732.709.7157 (Direct Dial)

+1 908.902.8854 (Mobile)

## Brief Plant Description

### **Gas Turbine**

Manufacturer	SOLAR
Model	Taurus 70 (T-10301)
Operation	continuous
Turbine design	open cycle, single shaft, cold-end drive
Compressor	14 stages, axial
Compression ratio	16 : 1
combustion turbine	annular with 12 injectors, SoLoNOx system
turbine speed	3 stage, axial-reaction
nominal shaft power rating	15 143 rpm
heat input	7 825 kW
Turbine air inlet flow	22 245 kJ/s
Exhaust gas temperature	26.3 kg/s
Exhaust gas mass flow	486 °C
thrust bearing	26.93 kg/s
	tilting pad type

**Heat recovery steam generators (HRSG)**, are able to fire natural gas and fuel gas and any mixture between these two gases. The boilers are a water tube type boiler they are equipped with a superheater section to raise the steam temperature and an economizer at the rear to heat the boiler feed water with the exhaust gases to raise the efficiency.