

86 MW Cogeneration Power Plant for Sale

Capacity: 86 MW

Year Built: 1992

Year Shut: 2010

Major Equipment (includes):

(2) Stewart & Stevenson 35 MW Gas Turbine Generators with:

- General Electric Aircraft Engines Turbines, Model LM5000-GD-NGA
- GEC Gas Turbines Limited of England Power Turbine, Model T-5000-1 (3-stage free spinning design).
- Brush Manufactured Generator, Model 61404A-1G / 2G.

(1) Elliot 16 MW Steam Turbine Generator with:

- Elliot Turbomachinery Company Turbine, Model 2SQNV13, 14 Stage extracting, condensing, 3 steam admission valves, 4 steam extracting valves, 4th stage extraction, 7th stage induction, Max HP Flow 165 Kpph, Max Extraction Flow 150,000 Lbs/Hr.
- Woodward 505E Governor.
- Brush Generator, Model 61506A-1G, Output MVA 18.706, 13800 Volts, 60 Hz, and 3600 rpm.

Documentation: Full Documentation Available



Equipment Summary

The Cogeneration Power Plant Includes: (2) Identical Stewart & Stevenson LM-5000 non-STIG 35 MW Gas Turbine Generators and a 16 MW Elliot Steam Turbine Generator. (2) Gas Turbine Generators are equipped with General Electric Aircraft Engines Turbines, Model LM5000-GD-NGA; GEC Gas Turbines Limited of England Power Turbine, Model T-5000-1 (3-stage free spinning design); Brush Manufactured Generator, Model 61404A-1G / 2G. Both GTG's use natural gas and connect to its own HRSG, which transfers steam to the 16 MW Elliot Steam Turbine. The 16 MW Elliot Steam Turbine Generator Includes Elliot Turbomachinery Company Turbine, Model 2SQNV13, 14 Stage extracting, condensing, 3 steam admission valves, 4 steam extracting valves, Max HP Flow 165,000 Lbs./Hr., Max Extraction Flow 150,000 Lbs/Hr; Woodward 505E Governor; Brush Generator, Model 61506A-1G, Output MVA 18.706, Power Factor 0.85, 13800 Voltage, 60 Hz, and 3600 rpm. Steam Conditions: In Press. 650 psig, In Temp. 675, Extrac. Press. 175 psig, Extrac. Temp. 473 F.

Contact Us for More Details!

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