

17.6 MW Biomass Power Plant for Sale



Capacity: 17.6 MW

Year Built: 1988

Year Shut: 2010

Major Equipment (includes):

Keeler field erected water-tube boiler.

- Rated 1050 psig @ 950 F
- 140,000 PPH
- Built 1988

General Electric Turbine Generator System

- Rated 900 psig @ 890 F
- Designed to produce 17.6 MW of power @ 13,800 volts
- Comes with General Electric Turbine, Generator, and Condenser

Feedwater System

- Consists of (1) Deaerator
- (1) Turbine driven feedwater pump
- (1) Electric driven feedwater pump

Water Treatment System

Combustion Air System

Flue Gas System

Fuel Handling System

Ash Handling System

Documentation: Full Documentation

Equipment Summary

This 17.6 MW Biomass (Wood-Fired) Power Plant Consists of (1) 1988 Keeler 140,000 PPH, field erected, water-tube boiler and (1) 17.6 MW Steam Turbine Generator manufactured by General Electric. According to the plant operator, the Biomass Plant Operated at 20.3 MW at Parity and the GE Turbine Generator can be Uprated to 25 MW. The Keeler boiler is designed for 1050 psig at 950 degrees FTT. The boiler is equipped with welded wall construction and a pendant type superheater. The Feedwater system consists of (1) deaerator, (1) turbine driven feedwater pump, (1) electric driven feedwater pump, and (1) lot of interconnecting pipe, valves and fittings. The General Electric Turbine/Generator System consists of (1) General Electric turbine utilizing at 900 psig @ 890 F superheated steam; (1) General Electric generator designed to produce 17.6 MW of power at 13,800 volts; (1) hydraulic system, (1) General Electric condenser; (2) hot well pumps; (1) lot of transmission switchgear; (1) emergency diesel generator. The Water Treatment System comes with (1) water softener, (1) demineralizer, (1) acid tank, (1) caustic tank, and (2) condensate tanks.

Contact Us for More Details!

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