

### **Gas Turbine**

Manufacturer	GE
Model	LM2500
Year	1986
Output	24161 kW
Heat Rate	9253 Btu/KW-hr
Exhaust Gas Flow	153 LB/Sec
Exhaust Gas Temp	1036 deg.F
Power Turbine Speed	3600 rpm

### **Gas Turbine Generator**

Manufacturer	Brush
Model	BDAX-167E
Year	1986
Rating (kva)	28,800 kva
Rated Voltage	13.8kv
Rated Speed	3600 rpm

### **Steam Turbine**

Manufacturer	Westinghouse
Model	EM 25
Year	1986
Output	8,500 kW
Inlet Pressure	650 psig
Inlet Temp	750 degrees F
Exhaust Pressure	3.0 in. HgA
Normal Rated Speed	6750 rpm

### **Steam Turbine Generator**

Manufacturer	General Electric Canada (GEC)
Model	MG1-22
Year	1988
Rating (kva)	10,000 kva
Rated Voltage	13.8kv
Rated Speed	1800 rpm

## **HRSG**

Manufacturer	Vogt
Model	MG1-22
Year	1987
National Board #	32411
MAWP	850 psi
Steam Capacity	110000 Lbs./hr
Operating pressure	739 psi
Steam temperature	875 deg F
Boiler heating surface	59771 sqft
Superheater surface	7698 sqft
Economizer surface	44828 sqft
Economizer. operating pressure	840 psi
Economize design pressure	900 psi

## **Auxiliary Boiler A**

Manufacturer	Cleaver Brooks
Model	D-68-LH
Type	D-type Water Tube
Year	1995
National Board #Boiler	04380
MAWP	350 psi
Steam Capacity	50,220 lb/hr
Operating Pressure	160 psi
Heating surface	3786 ft/sq
Water wall heating surface:	580 ft/sq.

## **Auxiliary Boiler B**

Manufacturer	Cleaver Brooks
Model	D-68-LH
Type	D-type Water Tube
Year	1995
National Board #Boiler	04392
MAWP	350 psi
Steam Capacity	50,220 lb/hr
Operating Pressure	160 psi
Heating surface	3786 ft/sq
Water wall heating surface:	580 ft/sq.

### **Heating Boiler**

Manufacturer	Cleaver Brooks
Model	CBH-100
Size	100hp
Type	Fire Tube
Year	1975
National Board #	35742
MAWP	15 psi
Relieving Capacity	4000 lb/hr
Operating Pressure	10 psi
Heating surface	500 ft/sq
BTU input	4184 btu/hr

### **Main Transformer**

Manufacturer	ASEA Electric
Model	3 phase, 60 hertz
Date	
Class	OA/FA/FA
	21/28/35 mva
	23.5/31.4/39.2 mva
HV Winding	23,000 volts
LV Winding	13,800 volts
Impedance:	5.98% at 23,000/13,800 and 21 mva

### **Auxiliary Transformer**

Manufacturer	McGraw-Edison
Model	3 phase, 60 hertz
Date	1987
Class	OA/FAA
	2,500/3,125 kva
	2,800/3,500 kva
HV Winding	13,800 delta volts
LV Winding	4160 Y/2400 volts
Impedance:	5.58% at 2,500 kva