



Two forced-draft and two induced-draft fans, each with individual single-speed motor drive, will serve each steam

Ash Control. Because of the nearness of residential areas to the plant site special precautions have been taken to reduce flyash leaving the stack to a negligible value. After leaving the air heaters the flue gas enters a mechanical flyash separator from which it flows into a 3-section electrostatic pre-

The inclined conveyor to the station delivers onto a horizontal tripper conveyor extending over the bunkers. Six coal bunkers with about 1200-ton capacity will be installed in the main building, each equipped with one automatic scale to check pulverizer performance.

Dust-collecting equipment will be installed at all points of coal transfer at the station, the Bradford breaker and

Acknowledgments. Power is indebted

STEAM-GENERATING EQUIPMENT

Millers, 2.	Combustion Engineering Co
100,000 lb per hr continuous, 875 sq ft, 915 P, 16,620 sq ft	Combustion Engineering Co
1 stage, low-pressure, 13,500 sq ft; In-temp, 13,500 sq ft; high-temp, 1700 sq ft; bypass control and tilting burners	Combustion Engineering Co
Continuous down tube, 17,430 sq ft	Combustion Engineering Co
air heaters, 2	Combustion Engineering Co
7 tubular, 4-pass, 152,500 sq ft	Combustion Engineering Co
100,000 lb per hr boiler	Combustion Engineering Co
Tilting, pulverized coal, four in each corner	Combustion Engineering Co
Pulverizers, 4 per boiler	Combustion Engineering Co
Hydraulic ram, 25,400 lb per hr, 1000 lbsability on Hardgrove scale	Diamond Power Specialty Corp
2 blowers	Diamond Power Specialty Corp
Boilers and superheaters, 12; economizer, 1; air preheater, 8	American Blower Corp
Direct-fired fans, 2 per boiler	American Blower Corp
100,000 lb per hr, 27 1/2 in., total head, 1200 rpm, Inlet-raise control	American Blower Corp
lower-type damper in fan outlet	American Blower Corp
Induced-draft fans, 2 per boiler	American Blower Corp
100,000 lb per hr, 27 1/2 in., total head, 1200 rpm, Inlet-raise control	American Blower Corp
4 fan magnetic coupling	Electric Machinery Mfg Co
150-hp fan drive	Atlas-Chalmers Manufacturing Co
150-hp, 1170 rpm, 3300 v, 3-phase, 60 cycle	Atlas-Chalmers Manufacturing Co
subordinate fan drive	Atlas-Chalmers Manufacturing Co
1100 hp, 900 rpm, 1200 v, 60 cycle, 3-phase	Hagan Corp
Combustion-control system	Hagan Corp
100,000 lb per hr level control	Leeds & Matthews Co
Boiler tank	Messier Bolt & Sheet Iron Works
Pre-heating equipment	Infinite Inc
100,000 lb per hr	Edward Walver, Inc
and check valves	Yarnall-Werling Co
1500-hp valves	Diamond Power Specialty Corp
100,000 lb per hr, 27 1/2 in., total head, 1200 rpm, Inlet-raise control	Diamond Power Specialty Corp

POWER-GENERATING EQUIPMENT

Furnace-generators, 2	General Electric Co.
1,000 kw, 630 psi, 935 F, 1 in. Hg abs, 3 bleed points, 1000 rpm	
and 2-pulse, 60 cycle, 0.85 pi, direct-connected motor	
and pilot valve	
Condensers, 1	Worthington Pump and Machinery Corp.
10 sq ft, 2-pass, inner air coolers and hotwell	
Circulating pumps	Worthington Pump and Machinery Corp.
1 per condenser	
Vertical pump drives	Allis-Chalmers Manufacturing Co.
60 hp, 180 rpm, 2100 v, 60-cycle	
Heavy vacuum pump, 5 per condenser	Kinney Manufacturing Co.
1540 cfm at 31-in. shaft approx 75 hp bar water vapor and 18 in. Hg abs	
Pump drive at 70 P	
Oil pump	General Electric Co.
10 hp, 180 rpm, 440 v, 3-phase, 60-cycle	
Circulating-water equipment	Herry Pratt Co., Inc.
Colorizing equipment	Wallace & Tiernan Products, Inc.

FEEDWATER SYSTEM.

Condensate pumps.....	Worthington Pump and Machinery Corp
12 per condenser, 1200 rpm, 60-cyl total head	
Condensate-pump drive.....	Westinghouse Electric Corp
hp, 1120 v, 3-phase, 60-cyl, squirrel cage, 500 rpm	
Condensate-water pumps.....	Ingersoll-Rand Co
12 per unit, 1000 rpm, 1000 gpm, 1750 rpm	
Condensate-pump drives.....	Westinghouse Electric Corp
Cloud heater, 300 sq ft.....	Westinghouse Electric Corp
Cloud heater, 300 sq ft.....	Westinghouse Electric Corp
Cloud heater, 5th stage.....	Westinghouse Electric Corp
Cloud heater, 200 sq ft.....	Westinghouse Electric Corp
Cloud heater, 14th stage.....	Westinghouse Electric Corp
Crata coils, 14th stage.....	Westinghouse Electric Corp
Crata coils, 14th stage.....	Westinghouse Electric Corp

Evaporator, 1 ps unit.....Westinghouse Electric Corp
Horizontal, \$80 ea
Evaporator desiccating preheater.....Worthington Pump and Mach Corp
Evaporator condensers.....Westinghouse Electric Corp
Exhaust fan, 1000 gpm.....General Electric Co
12½-inch condenser-cooling heater.....Worthington Pump and Mach Corp
70,000 lb per hr, dry type, 16-pala steam press, vent condenser
6½-inch desiccating heater.....Worthington Pump and Mach Corp
\$1,400 lb per hr, dry type, 15½-pala steam press, 3 vent con-
densers
Boiler-feed pump, 3 ps unit.....Worthington Pump and Mach Corp
1075 gpm, 247½ ft total head, 3870 rpm, constant speed
Boiler-feed pump drives.....General Electric Co
Boiler feeders, 9000 psi, 1000 gpm.....General Electric Co
Extraction compressor 20/70 60-hpa, 1000 gpm.....Aylward & Merrill Co

COAL-AND-ASH-HANDLING EQUIPMENT:

[illegible]

MISCELLANEOUS EQUIPMENT:

Gate boards.....	Hagen Corp.
Steam hoisting.....	Bemis & Co.
Circulating water pumps.....	New York Central Iron Works
Motor-operated main steam valves.....	
.....	Chapman Valve & Manufacturing Co.
1500-lb weld valves.....	Manning, Maxwell & Moore
Globe valves.....	Manning, Maxwell & Moore
Electric traveling crane.....	Whiting Corp.
Automatic air filters.....	American Air Filter Corp.
Vertical fans.....	Warrington Pump & Machinery Co.
Freight and passenger elevators.....	Otis Elevator Co.
Sewage ejector pumps.....	Chicago Pump & Machine Co.
.....	Chicago Pump & Machine Co.
Dollar-rocker.....	Warrington Pump & Machinery Co.
Hydrostatic test pump.....	Warrington Pump & Machinery Co.
Miscellaneous pumps.....	Yeomans Brothers
.....	Ingersoll Rand Co.
Floor grating.....	Yeomans Brothers
Structural steel and bunbars.....	Bethlehem Steel Co.
Galvanized oxidation steel.....	American Bridge Co.
.....	Lafayette Steel Co.
Stair treads and platform plates.....	American Abrasive Metals Co.
Miscellaneous iron.....	Empire City Iron Works
Rollings.....	A F Jones Iron Works
Corrugated asbestos.....	The Treadwell Co.
Steel ash.....	The William Byler Co.

ELECTRICAL EQUIPMENT:

Station-service transformers.....	{	Allis-Chalmers Mfg Co
		Meloney Electric Co
		Westinghouse Electric Corp
Station-service circuit breakers.....	{	General Electric Co
2300-v station-service switchboard.....		I-T-E Circuit Breaker Co
Switchboards.....	{	Westinghouse Electric Corp
		Kelch Co
Coalyard unit substation.....	{	Allis-Chalmers Mfg Co

ENGINEERS AND CONSTRUCTORS

Stone & Webster Engineering Corporation