

Central State Hospital

Heating Plant Year Report

1/1/2017

12:05 AM

Yearly Report

Description

	Plant	Units			
Heating Degree Days	5,144.90	hdd			
Total Plant Steam Flow	78,792.81	klbs			
Steam Flow Per Heating Degree Day	15.3	klbs/hdd			
Total Condensate Return Water Flow	2,786.8	klbs			
Total Plant Gas Flow	95,111.38	kscf			
Total Plant Gas Cost	\$584,055.21	\$			
Total Plant Oil Flow	1.7	gals			
Total Plant Oil Cost	\$6.44	\$			
Total Plant Fuel Cost	\$584,061.66	\$			
Fuel Cost Per Heating Degree Day	\$113.52	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.00	\$/klbs			
Total Plant Efficiency By I/O	81.1	%			
Condensate Transfer Pump #1 Run Time	3,518.3	hrs			
Condensate Transfer Pump #2 Run Time	2,829.5	hrs			
Condensate Transfer Pump #3 Run Time	2,461.4	hrs			
Boiler Feed Pump #1 Run Time	1,135.2	hrs			
Boiler Feed Pump #2 Run Time	3,468.8	hrs			
Boiler Feed Pump #3 Run Time	3,076.6	hrs			
Boiler Feed Pump #4 Run Time	1,140.9	hrs			
Fuel Oil Pump #1 Run Time	1.0	hrs			
Fuel Oil Pump #2 Run Time	1.2	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2266.8	3081.0	2406.8	1581.6	hrs
Steam Flow	16030.20	26011.97	20935.05	15815.60	klbs
Gas Flow	19846.65	32453.57	24161.07	18650.10	kscf
Natural Gas Cost	\$121,873.29	\$199,289.24	\$148,367.10	\$114,525.58	\$
Oil Flow	0.9	0.0	0.1	0.7	gals
Oil Cost	\$3.52	\$0.00	\$0.31	\$2.61	\$
Total Fuel Cost	\$121,876.82	\$199,289.24	\$148,367.42	\$114,528.19	\$
Average Steam Cost	\$7.60	\$7.66	\$7.09	\$7.24	\$/klbs
Efficiency By Losses	0.0	0.0	82.7	0.0	%
Efficiency By I/O	79.1	78.5	84.9	83.0	%

