Central State Hospital

Heating Plant Day Operations Report

7/1/2019
7.00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.93	kscf
Total Plant Gas Cost	$1,043.50	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.50	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	23.5	0.3	hrs
Steam Flow	134.82	0.00	0.00	0.00	klbs
Gas Flow	169.93	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.50	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.50	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/2/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.80	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.90	kscf
Total Plant Gas Cost	$1,043.34	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.34	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	2.4	20.4	hrs
Steam Flow	134.80	0.00	0.00	0.00	klbs
Gas Flow	169.90	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.34	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.34	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/3/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.36	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.36	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.2	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.36	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.36	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/4/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.36	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.36	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.6	22.8	hrs
Steam Flow	134.82	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.36	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.36	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/5/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.83	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.93	kscf
Total Plant Gas Cost	$1,043.51	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.51	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	21.4	hrs
Steam Flow	134.83	0.00	0.00	0.00	klbs
Gas Flow	169.93	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.51	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.51	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/6/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.83	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.38	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.38	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	21.6	hrs
Steam Flow	134.83	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.38	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.38	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/7/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.37	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.37	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

		Units
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	23.0	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.37	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.37	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/8/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.83	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.92	kscf
Total Plant Gas Cost	$1,043.41	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.41	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	23.4	hrs
Steam Flow	134.83	0.00	0.00	0.00	klbs
Gas Flow	169.92	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.41	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.41	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/9/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.93	kscf
Total Plant Gas Cost	$1,043.48	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.48	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.7	22.1	hrs
Steam Flow	134.82	0.00	0.00	0.00	klbs
Gas Flow	169.93	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.48	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.48	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/10/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.39	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.39	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.7	23.0	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.39	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.39	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/11/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.83	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.93	kscf
Total Plant Gas Cost	$1,043.52	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.52	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	23.2	hrs
Steam Flow	134.83	0.00	0.00	0.00	klbs
Gas Flow	169.93	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.52	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.52	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/12/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.83	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.94	kscf
Total Plant Gas Cost	$1,043.55	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.55	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.9	hrs
Steam Flow	134.83	0.00	0.00	0.00	klbs
Gas Flow	169.94	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.55	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.55	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/13/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.81	kscf
Total Plant Gas Cost	$1,042.75	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,042.75	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.2	hrs
Steam Flow	134.73	0.00	0.00	0.00	klbs
Gas Flow	169.81	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,042.75	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,042.75	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/14/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.39	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.39	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.5	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.39	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.39	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/15/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.40	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.40	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	23.2	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.40	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.40	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/16/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.90	kscf
Total Plant Gas Cost	$1,043.33	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.33	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.4	22.5	hrs
Steam Flow	134.82	0.00	0.00	0.00	klbs
Gas Flow	169.90	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.33	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.33	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/17/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.40	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.40	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.5	20.7	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.40	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.40	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/18/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.91	kscf
Total Plant Gas Cost	$1,043.35	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.35	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	1.1	0.0	1.6	14.5	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.91	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.35	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.35	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/19/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.82	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.90	kscf
Total Plant Gas Cost	$1,043.31	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.31	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

		Units
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.1	hrs
Steam Flow	134.82	0.00	0.00	0.00	klbs
Gas Flow	169.90	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.31	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.31	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/20/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.86	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.97	kscf
Total Plant Gas Cost	$1,043.76	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.76	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0				hrs
Condensate Transfer Pump #2 Run Time	0.0				hrs
Condensate Transfer Pump #3 Run Time	0.0				hrs
Boiler Feed Pump #1 Run Time	0.0				hrs
Boiler Feed Pump #2 Run Time	0.0				hrs
Boiler Feed Pump #3 Run Time	0.0				hrs
Boiler Feed Pump #4 Run Time	0.0				hrs
Fuel Oil Pump #1 Run Time	0.0				hrs
Fuel Oil Pump #2 Run Time	0.0				hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.5	23.1	hrs
Steam Flow	134.86	0.00	0.00	0.00	klbs
Gas Flow	169.97	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.76	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.76	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/21/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.80	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.90	kscf
Total Plant Gas Cost	$1,043.34	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.34	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.8	hrs
Steam Flow	134.80	0.00	0.00	0.00	klbs
Gas Flow	169.90	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.34	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.34	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/22/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	134.81	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	169.92	kscf
Total Plant Gas Cost	$1,043.42	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,043.42	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.7	%

Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	20.9	hrs
Steam Flow	134.81	0.00	0.00	0.00	klbs
Gas Flow	169.92	0.00	0.00	0.00	kscf
Natural Gas Cost	$1,043.42	$0.00	$0.00	$0.00	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,043.42	$0.00	$0.00	$0.00	$
Average Steam Cost	$7.74	---	---	---	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital

Heating Plant Day Operations Report

7/23/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	47.92	hdd
Total Plant Steam Flow	126.46	klbs
Steam Flow Per Heating Degree Day	2.6	klbs/hdd
Total Condensate Return Water Flow	9.1	klbs
Total Plant Gas Flow	168.57	kscf
Total Plant Gas Cost	$1,035.13	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,035.13	$
Fuel Cost Per Heating Degree Day	$21.60	$/hdd
Plant Average Steam Cost Per Degree Day	$0.17	$/klbs
Total Plant Efficiency By I/O	73.5	%

Condensate Transfer Pump #1 Run Time	23.2	hrs
Condensate Transfer Pump #2 Run Time	23.2	hrs
Condensate Transfer Pump #3 Run Time	23.2	hrs
Boiler Feed Pump #1 Run Time	23.2	hrs
Boiler Feed Pump #2 Run Time	23.2	hrs
Boiler Feed Pump #3 Run Time	23.2	hrs
Boiler Feed Pump #4 Run Time	23.2	hrs
Fuel Oil Pump #1 Run Time	23.1	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.7	21.5	hrs
Steam Flow	1.79	0.00	0.00	124.67	klbs
Gas Flow	5.18	0.00	2.01	161.38	kscf
Natural Gas Cost	$31.81	$0.00	$12.36	$990.97	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$31.81	$0.00	$12.36	$990.97	$
Average Steam Cost	$17.79	---	---	$7.95	$/klbs
Efficiency By Losses	77.1	0.0	77.6	81.4	%
Efficiency By I/O	33.8			75.7	%

Central State Hospital

Heating Plant Day Operations Report

7/24/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	142.69	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.0	klbs
Total Plant Gas Flow	178.90	kscf
Total Plant Gas Cost	$1,098.57	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,098.57	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	78.1	%
Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.7	23.1	hrs
Steam Flow	0.00	0.00	0.00	142.69	klbs
Gas Flow	3.28	0.00	2.30	173.32	kscf
Natural Gas Cost	$20.17	$0.00	$14.10	$1,064.29	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$20.17	$0.00	$14.10	$1,064.29	$
Average Steam Cost	---	---	---	$7.46	$/klbs
Efficiency By Losses	78.3	0.0	77.1	82.3	%
Efficiency By I/O				80.6	%

Central State Hospital

Heating Plant Day Operations Report

7/25/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	138.96	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.0	klbs
Total Plant Gas Flow	175.67	kscf
Total Plant Gas Cost	$1,078.75	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,078.75	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.5	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.6	22.8	hrs
Steam Flow	0.00	0.00	0.00	138.96	klbs
Gas Flow	3.34	0.00	2.28	170.05	kscf
Natural Gas Cost	$20.51	$0.00	$14.01	$1,044.22	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$20.51	$0.00	$14.01	$1,044.22	$
Average Steam Cost	---	---	---	$7.51	$/klbs
Efficiency By Losses	73.9	0.0	72.3	81.9	%
Efficiency By I/O				80.0	%

Central State Hospital

Heating Plant Day Operations Report

7/26/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	136.54	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.0	klbs
Total Plant Gas Flow	176.42	kscf
Total Plant Gas Cost	$1,083.32	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,083.32	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	75.8	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.7	22.3	hrs
Steam Flow	0.00	0.00	0.00	136.54	klbs
Gas Flow	3.01	0.00	2.31	171.10	kscf
Natural Gas Cost	$18.50	$0.00	$14.17	$1,050.65	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$18.50	$0.00	$14.17	$1,050.65	$
Average Steam Cost	---	---	---	$7.69	$/klbs
Efficiency By Losses	77.5	0.0	77.6	81.7	%
Efficiency By I/O				78.2	%

Central State Hospital

Heating Plant Day Operations Report

7/27/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	135.60	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.0	klbs
Total Plant Gas Flow	174.02	kscf
Total Plant Gas Cost	$1,068.59	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,068.59	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	76.3	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.7	22.5	hrs
Steam Flow	0.00	0.00	0.00	135.60	klbs
Gas Flow	3.20	0.00	2.31	168.50	kscf
Natural Gas Cost	$19.68	$0.00	$14.19	$1,034.71	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$19.68	$0.00	$14.19	$1,034.71	$
Average Steam Cost	---	---	---	$7.63	$/klbs
Efficiency By Losses	73.3	0.0	76.9	82.3	%
Efficiency By I/O				78.8	%

Central State Hospital

Heating Plant Day Operations Report

7/28/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	122.01	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.1	klbs
Total Plant Gas Flow	162.68	kscf
Total Plant Gas Cost	$999.00	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$999.00	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	73.4	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.6	21.6	hrs
Steam Flow	0.00	0.00	0.00	122.01	klbs
Gas Flow	3.32	0.00	2.06	157.30	kscf
Natural Gas Cost	$20.36	$0.00	$12.67	$965.96	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$20.36	$0.00	$12.67	$965.96	$
Average Steam Cost	---	---	---	$7.92	$/klbs
Efficiency By Losses	76.4	0.0	78.0	81.5	%
Efficiency By I/O				76.0	%

Central State Hospital

Heating Plant Day Operations Report

7/29/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	120.87	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.3	klbs
Total Plant Gas Flow	159.39	kscf
Total Plant Gas Cost	$978.77	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$978.77	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	74.3	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	21.7	hrs
Steam Flow	0.00	0.00	0.00	120.87	klbs
Gas Flow	2.98	0.00	2.24	154.16	kscf
Natural Gas Cost	$18.32	$0.00	$13.78	$946.67	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$18.32	$0.00	$13.78	$946.67	$
Average Steam Cost	---	---	---	$7.83	$/klbs
Efficiency By Losses	78.7	0.0	80.2	82.2	%
Efficiency By I/O				76.8	%

Central State Hospital

Heating Plant Day Operations Report

7/30/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	133.19	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.3	klbs
Total Plant Gas Flow	169.62	kscf
Total Plant Gas Cost	$1,041.61	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,041.61	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	76.9	%

Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.6	22.4	hrs
Steam Flow	0.00	0.00	0.00	133.19	klbs
Gas Flow	3.15	0.00	1.97	164.50	kscf
Natural Gas Cost	$19.37	$0.00	$12.11	$1,010.13	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$19.37	$0.00	$12.11	$1,010.13	$
Average Steam Cost	---	---	---	$7.58	$/klbs
Efficiency By Losses	81.5	0.0	78.9	82.5	%
Efficiency By I/O				79.3	%

Central State Hospital

Heating Plant Day Operations Report

7/31/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	124.50	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	9.4	klbs
Total Plant Gas Flow	166.60	kscf
Total Plant Gas Cost	$1,023.05	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,023.05	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	73.2	%
Condensate Transfer Pump #1 Run Time	23.5	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.5	21.1	hrs
Steam Flow	0.00	0.00	0.00	124.50	klbs
Gas Flow	2.94	0.00	1.68	161.98	kscf
Natural Gas Cost	$18.04	$0.00	$10.31	$994.70	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$18.04	$0.00	$10.31	$994.70	$
Average Steam Cost	---	---	---	$7.99	$/klbs
Efficiency By Losses	78.1	0.0	75.1	81.5	%
Efficiency By I/O				75.3	%