

Central State Hospital
Heating Plant Day Operations Report

9/1/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.37	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	170.37	kscf			
Total Plant Gas Cost	\$1,046.21	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,046.21	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	79.0	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	137.37	0.00	0.00	0.00	klbs
Gas Flow	167.64	2.73	0.00	0.00	kscf
Natural Gas Cost	\$1,029.45	\$16.76	\$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	\$1,029.45	\$16.76	\$0.00	\$0.00	\$
Average Steam Cost	\$7.49	---	---	---	\$/klbs
Efficiency By Losses	81.8	71.1	0.0	0.0	%
Efficiency By I/O	80.2				%

Central State Hospital
Heating Plant Day Operations Report

9/2/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	130.03	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	163.90	kscf			
Total Plant Gas Cost	\$1,006.47	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,006.47	\$			
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	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	130.03	0.00	0.00	0.00	klbs
Gas Flow	160.92	2.98	0.00	0.00	kscf
Natural Gas Cost	\$988.18	\$18.29	\$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	\$988.18	\$18.29	\$0.00	\$0.00	\$
Average Steam Cost	\$7.60	---	---	---	\$/klbs
Efficiency By Losses	81.8	73.9	0.0	0.0	%
Efficiency By I/O	79.1				%
Mid-Atlantic Controls Corporation					

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Day Report

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Central State Hospital
Heating Plant Day Operations Report

9/3/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	129.46	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	163.77	kscf			
Total Plant Gas Cost	\$1,005.68	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,005.68	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.4	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	129.46	0.00	0.00	0.00	klbs
Gas Flow	160.67	3.10	0.00	0.00	kscf
Natural Gas Cost	\$986.62	\$19.06	\$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	\$986.62	\$19.06	\$0.00	\$0.00	\$
Average Steam Cost	\$7.62	---	---	---	\$/klbs
Efficiency By Losses	81.8	75.6	0.0	0.0	%
Efficiency By I/O	78.9				%

Central State Hospital
Heating Plant Day Operations Report

9/4/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	129.13	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	159.94	kscf			
Total Plant Gas Cost	\$982.16	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$982.16	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	79.1	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	129.13	0.00	0.00	0.00	klbs
Gas Flow	157.43	2.51	0.00	0.00	kscf
Natural Gas Cost	\$966.75	\$15.41	\$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	\$966.75	\$15.41	\$0.00	\$0.00	\$
Average Steam Cost	\$7.49	---	---	---	\$/klbs
Efficiency By Losses	81.8	69.9	0.0	0.0	%
Efficiency By I/O	80.3				%

Mid-Atlantic Controls Corporation

Day Report

Page 1 of 1

Central State Hospital
Heating Plant Day Operations Report

9/5/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	142.13	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	172.94	kscf			
Total Plant Gas Cost	\$1,061.95	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,061.95	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	80.5	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	0.0	hrs			
Condensate Transfer Pump #3 Run Time	0.2	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	142.13	0.00	0.00	0.00	klbs
Gas Flow	170.14	2.80	0.00	0.00	kscf
Natural Gas Cost	\$1,044.76	\$17.19	\$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	\$1,044.76	\$17.19	\$0.00	\$0.00	\$
Average Steam Cost	\$7.35	---	---	---	\$/klbs
Efficiency By Losses	81.8	72.5	0.0	0.0	%
Efficiency By I/O	81.8				%

Central State Hospital
Heating Plant Day Operations Report

9/6/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.19	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.9	klbs			
Total Plant Gas Flow	171.23	kscf			
Total Plant Gas Cost	\$1,051.51	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,051.51	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.5	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	137.19	0.00	0.00	0.00	klbs
Gas Flow	168.41	2.82	0.00	0.00	kscf
Natural Gas Cost	\$1,034.19	\$17.32	\$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	\$1,034.19	\$17.32	\$0.00	\$0.00	\$
Average Steam Cost	\$7.54	---	---	---	\$/klbs
Efficiency By Losses	81.8	72.5	0.0	0.0	%
Efficiency By I/O	79.8				%

Central State Hospital
Heating Plant Day Operations Report

9/7/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	132.13	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	167.57	kscf			
Total Plant Gas Cost	\$1,029.01	\$			
Total Plant Oil Flow	16.3	gals			
Total Plant Oil Cost	\$62.79	\$			
Total Plant Fuel Cost	\$1,091.80	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.2	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	19.4	4.6	0.0	0.0	hrs
Steam Flow	105.74	26.39	0.00	0.00	klbs
Gas Flow	131.08	36.49	0.00	0.00	kscf
Natural Gas Cost	\$804.91	\$224.10	\$0.00	\$0.00	\$
Oil Flow	16.3	0.0	0.0	0.0	gals
Oil Cost	\$62.79	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$867.70	\$224.10	\$0.00	\$0.00	\$
Average Steam Cost	\$8.21	\$8.49	---	---	\$/klbs
Efficiency By Losses	81.7	68.6	0.0	0.0	%
Efficiency By I/O	77.7	70.8			%

Central State Hospital
Heating Plant Day Operations Report

9/8/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	140.59	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.8	klbs			
Total Plant Gas Flow	175.36	kscf			
Total Plant Gas Cost	\$1,076.82	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,076.82	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.5	%			
Condensate Transfer Pump #1 Run Time	14.2	hrs			
Condensate Transfer Pump #2 Run Time	9.3	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	140.59	0.00	0.00	0.00	klbs
Gas Flow	172.66	2.69	0.00	0.00	kscf
Natural Gas Cost	\$1,060.29	\$16.53	\$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	\$1,060.29	\$16.53	\$0.00	\$0.00	\$
Average Steam Cost	\$7.54	---	---	---	\$/klbs
Efficiency By Losses	81.6	74.3	0.0	0.0	%
Efficiency By I/O	79.7				%

Central State Hospital
Heating Plant Day Operations Report

9/9/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	24.59	hdd			
Total Plant Steam Flow	129.39	klbs			
Steam Flow Per Heating Degree Day	5.3	klbs/hdd			
Total Condensate Return Water Flow	7.9	klbs			
Total Plant Gas Flow	166.73	kscf			
Total Plant Gas Cost	\$1,023.85	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,023.85	\$			
Fuel Cost Per Heating Degree Day	\$41.64	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.32	\$/klbs			
Total Plant Efficiency By I/O	76.0	%			
Condensate Transfer Pump #1 Run Time	9.9	hrs			
Condensate Transfer Pump #2 Run Time	11.7	hrs			
Condensate Transfer Pump #3 Run Time	1.8	hrs			
Boiler Feed Pump #1 Run Time	23.4	hrs			
Boiler Feed Pump #2 Run Time	23.4	hrs			
Boiler Feed Pump #3 Run Time	23.4	hrs			
Boiler Feed Pump #4 Run Time	23.4	hrs			
Fuel Oil Pump #1 Run Time	23.3	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.4	0.5	0.0	0.0	hrs
Steam Flow	129.29	0.10	0.00	0.00	klbs
Gas Flow	163.66	3.07	0.00	0.00	kscf
Natural Gas Cost	\$1,005.02	\$18.83	\$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	\$1,005.02	\$18.83	\$0.00	\$0.00	\$
Average Steam Cost	\$7.77	\$193.30	---	---	\$/klbs
Efficiency By Losses	81.6	72.3	0.0	0.0	%
Efficiency By I/O	77.4	3.1			%

Central State Hospital
Heating Plant Day Operations Report

9/10/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.77	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.6	klbs			
Total Plant Gas Flow	173.19	kscf			
Total Plant Gas Cost	\$1,063.53	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,063.53	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.9	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	137.77	0.00	0.00	0.00	klbs
Gas Flow	170.16	3.04	0.00	0.00	kscf
Natural Gas Cost	\$1,044.88	\$18.64	\$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	\$1,044.88	\$18.64	\$0.00	\$0.00	\$
Average Steam Cost	\$7.58	---	---	---	\$/klbs
Efficiency By Losses	81.6	76.8	0.0	0.0	%
Efficiency By I/O	79.3				%

Central State Hospital
Heating Plant Day Operations Report

9/11/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	147.92	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.8	klbs			
Total Plant Gas Flow	178.64	kscf			
Total Plant Gas Cost	\$1,096.96	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,096.96	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	81.1	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	147.92	0.00	0.00	0.00	klbs
Gas Flow	176.00	2.64	0.00	0.00	kscf
Natural Gas Cost	\$1,080.78	\$16.18	\$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	\$1,080.78	\$16.18	\$0.00	\$0.00	\$
Average Steam Cost	\$7.31	---	---	---	\$/klbs
Efficiency By Losses	81.6	76.8	0.0	0.0	%
Efficiency By I/O	82.3				%

Central State Hospital
Heating Plant Day Operations Report

9/12/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.96	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	169.13	kscf			
Total Plant Gas Cost	\$1,038.57	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,038.57	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	79.9	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.5	0.0	0.0	hrs
Steam Flow	137.96	0.00	0.00	0.00	klbs
Gas Flow	166.51	2.62	0.00	0.00	kscf
Natural Gas Cost	\$1,022.47	\$16.10	\$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	\$1,022.47	\$16.10	\$0.00	\$0.00	\$
Average Steam Cost	\$7.41	---	---	---	\$/klbs
Efficiency By Losses	81.6	74.7	0.0	0.0	%
Efficiency By I/O	81.1				%

Central State Hospital
Heating Plant Day Operations Report

9/13/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.14	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	168.73	kscf			
Total Plant Gas Cost	\$1,036.13	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,036.13	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	79.6	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	137.14	0.00	0.00	0.00	klbs
Gas Flow	165.88	2.85	0.00	0.00	kscf
Natural Gas Cost	\$1,018.62	\$17.51	\$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	\$1,018.62	\$17.51	\$0.00	\$0.00	\$
Average Steam Cost	\$7.43	---	---	---	\$/klbs
Efficiency By Losses	81.7	76.7	0.0	0.0	%
Efficiency By I/O	81.0				%

Central State Hospital
Heating Plant Day Operations Report

9/14/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	138.44	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	172.70	kscf			
Total Plant Gas Cost	\$1,060.48	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,060.48	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.5	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	138.44	0.00	0.00	0.00	klbs
Gas Flow	169.37	3.33	0.00	0.00	kscf
Natural Gas Cost	\$1,040.06	\$20.43	\$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	\$1,040.06	\$20.43	\$0.00	\$0.00	\$
Average Steam Cost	\$7.51	---	---	---	\$/klbs
Efficiency By Losses	81.6	73.1	0.0	0.0	%
Efficiency By I/O	80.0				%

Central State Hospital
Heating Plant Day Operations Report

9/15/2018
7 00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	139.15	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.6	klbs			
Total Plant Gas Flow	177.33	kscf			
Total Plant Gas Cost	\$1,088.92	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,088.92	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.8	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	139.15	0.00	0.00	0.00	klbs
Gas Flow	174.04	3.29	0.00	0.00	kscf
Natural Gas Cost	\$1,068.74	\$20.17	\$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	\$1,068.74	\$20.17	\$0.00	\$0.00	\$
Average Steam Cost	\$7.68	---	---	---	\$/klbs
Efficiency By Losses	81.6	76.3	0.0	0.0	%
Efficiency By I/O	78.3				%

Central State Hospital
Heating Plant Day Operations Report

9/16/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	131.76	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.2	klbs			
Total Plant Gas Flow	169.31	kscf			
Total Plant Gas Cost	\$1,039.67	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,039.67	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.2	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	131.76	0.00	0.00	0.00	klbs
Gas Flow	166.01	3.30	0.00	0.00	kscf
Natural Gas Cost	\$1,019.42	\$20.25	\$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	\$1,019.42	\$20.25	\$0.00	\$0.00	\$
Average Steam Cost	\$7.74	---	---	---	\$/klbs
Efficiency By Losses	81.6	79.5	0.0	0.0	%
Efficiency By I/O	77.7				%

Central State Hospital
Heating Plant Day Operations Report

9/17/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	131.93	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	169.12	kscf			
Total Plant Gas Cost	\$1,038.52	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,038.52	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.4	%			
Condensate Transfer Pump #1 Run Time	23.5	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	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	131.93	0.00	0.00	0.00	klbs
Gas Flow	165.77	3.35	0.00	0.00	kscf
Natural Gas Cost	\$1,017.97	\$20.54	\$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	\$1,017.97	\$20.54	\$0.00	\$0.00	\$
Average Steam Cost	\$7.72	---	---	---	\$/klbs
Efficiency By Losses	81.7	79.2	0.0	0.0	%
Efficiency By I/O	77.9				%

Central State Hospital
Heating Plant Day Operations Report

9/18/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	140.57	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.5	klbs			
Total Plant Gas Flow	179.36	kscf			
Total Plant Gas Cost	\$1,101.41	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,101.41	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.8	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	8.1	hrs			
Condensate Transfer Pump #3 Run Time	0.1	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	22.8	1.0	0.0	0.0	hrs
Steam Flow	135.55	5.03	0.00	0.00	klbs
Gas Flow	169.98	9.38	0.00	0.00	kscf
Natural Gas Cost	\$1,043.79	\$57.62	\$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	\$1,043.79	\$57.62	\$0.00	\$0.00	\$
Average Steam Cost	\$7.70	\$11.46	---	---	\$/klbs
Efficiency By Losses	81.7	74.3	0.0	0.0	%
Efficiency By I/O	78.1	52.5			%

Central State Hospital
Heating Plant Day Operations Report

9/19/2018
7:01 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	141.47	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.5	klbs			
Total Plant Gas Flow	176.67	kscf			
Total Plant Gas Cost	\$1,084.86	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,084.86	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.4	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	7.3	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	141.47	0.00	0.00	0.00	klbs
Gas Flow	173.43	3.23	0.00	0.00	kscf
Natural Gas Cost	\$1,065.01	\$19.85	\$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	\$1,065.01	\$19.85	\$0.00	\$0.00	\$
Average Steam Cost	\$7.53	---	---	---	\$/klbs
Efficiency By Losses	81.7	68.3	0.0	0.0	%
Efficiency By I/O	79.9				%

Central State Hospital
Heating Plant Day Operations Report

9/20/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	141.41	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	178.85	kscf			
Total Plant Gas Cost	\$1,098.27	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,098.27	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.4	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	7.2	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	141.41	0.00	0.00	0.00	klbs
Gas Flow	175.83	3.02	0.00	0.00	kscf
Natural Gas Cost	\$1,079.73	\$18.53	\$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	\$1,079.73	\$18.53	\$0.00	\$0.00	\$
Average Steam Cost	\$7.64	---	---	---	\$/klbs
Efficiency By Losses	81.6	77.4	0.0	0.0	%
Efficiency By I/O	78.8				%

Central State Hospital
Heating Plant Day Operations Report

9/21/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	141.12	kibs			
Steam Flow Per Heating Degree Day	—	kibs/hdd			
Total Condensate Return Water Flow	7.2	kibs			
Total Plant Gas Flow	178.45	kscf			
Total Plant Gas Cost	\$1,095.79	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,095.79	\$			
Fuel Cost Per Heating Degree Day	—	\$/hdd			
Plant Average Steam Cost Per Degree Day	—	\$/kibs			
Total Plant Efficiency By I/O	77.4	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	7.3	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	141.12	0.00	0.00	0.00	kibs
Gas Flow	175.44	3.01	0.00	0.00	kscf
Natural Gas Cost	\$1,077.34	\$18.45	\$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	\$1,077.34	\$18.45	\$0.00	\$0.00	\$
Average Steam Cost	\$7.63	—	—	—	\$/kibs
Efficiency By Losses	81.6	69.4	0.0	0.0	%
Efficiency By I/O	78.8				%

Central State Hospital
Heating Plant Day Operations Report

9/22/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	139.61	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.6	klbs			
Total Plant Gas Flow	175.61	kscf			
Total Plant Gas Cost	\$1,078.35	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,078.35	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.9	%			
Condensate Transfer Pump #1 Run Time	17.7	hrs			
Condensate Transfer Pump #2 Run Time	11.4	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	139.61	0.00	0.00	0.00	klbs
Gas Flow	172.41	3.20	0.00	0.00	kscf
Natural Gas Cost	\$1,058.72	\$19.63	\$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	\$1,058.72	\$19.63	\$0.00	\$0.00	\$
Average Steam Cost	\$7.58	---	---	---	\$/klbs
Efficiency By Losses	81.7	77.2	0.0	0.0	%
Efficiency By I/O	79.3				%

Central State Hospital
Heating Plant Day Operations Report

9/23/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	133.40	kibs			
Steam Flow Per Heating Degree Day	---	kibs/hdd			
Total Condensate Return Water Flow	7.5	kibs			
Total Plant Gas Flow	170.49	kscf			
Total Plant Gas Cost	\$1,046.94	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,046.94	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/kibs			
Total Plant Efficiency By I/O	76.6	%			
Condensate Transfer Pump #1 Run Time	0.0	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.7	0.0	0.0	hrs
Steam Flow	133.40	0.00	0.00	0.00	kibs
Gas Flow	166.91	3.58	0.00	0.00	kscf
Natural Gas Cost	\$1,024.95	\$21.99	\$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	\$1,024.95	\$21.99	\$0.00	\$0.00	\$
Average Steam Cost	\$7.68	---	---	---	\$/kibs
Efficiency By Losses	81.6	73.4	0.0	0.0	%
Efficiency By I/O	78.3				%

Central State Hospital
Heating Plant Day Operations Report

9/24/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	140.57	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.3	klbs			
Total Plant Gas Flow	174.60	kscf			
Total Plant Gas Cost	\$1,072.20	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,072.20	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.8	%			
Condensate Transfer Pump #1 Run Time	0.0	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.7	0.0	0.0	hrs
Steam Flow	140.57	0.00	0.00	0.00	klbs
Gas Flow	171.10	3.50	0.00	0.00	kscf
Natural Gas Cost	\$1,050.70	\$21.50	\$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	\$1,050.70	\$21.50	\$0.00	\$0.00	\$
Average Steam Cost	\$7.47	---	---	---	\$/klbs
Efficiency By Losses	81.5	72.6	0.0	0.0	%
Efficiency By I/O	80.5				%

Central State Hospital
Heating Plant Day Operations Report

9/25/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	146.66	klbs			
Steam Flow Per Heating Degree Day	—	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	184.11	kscf			
Total Plant Gas Cost	\$1,130.58	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,130.58	\$			
Fuel Cost Per Heating Degree Day	—	\$/hdd			
Plant Average Steam Cost Per Degree Day	—	\$/klbs			
Total Plant Efficiency By I/O	78.0	%			
Condensate Transfer Pump #1 Run Time	0.0	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	146.66	0.00	0.00	0.00	klbs
Gas Flow	180.96	3.15	0.00	0.00	kscf
Natural Gas Cost	\$1,111.21	\$19.37	\$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	\$1,111.21	\$19.37	\$0.00	\$0.00	\$
Average Steam Cost	\$7.58	—	—	—	\$/klbs
Efficiency By Losses	81.6	76.3	0.0	0.0	%
Efficiency By I/O	79.4				%

Central State Hospital
Heating Plant Day Operations Report

9/26/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	111.95				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.7				klbs
Total Plant Gas Flow	148.73				kscf
Total Plant Gas Cost	\$913.30				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$913.30				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	73.7				%
Condensate Transfer Pump #1 Run Time	0.1				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	6.2				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	21.9	0.5	0.0	0.0	hrs
Steam Flow	111.95	0.00	0.00	0.00	klbs
Gas Flow	145.94	2.79	0.00	0.00	kscf
Natural Gas Cost	\$896.18	\$17.12	\$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	\$896.18	\$17.12	\$0.00	\$0.00	\$
Average Steam Cost	\$8.00	---	---	---	\$/klbs
Efficiency By Losses	81.6	76.6	0.0	0.0	%
Efficiency By I/O	75.1				%

Central State Hospital
Heating Plant Day Operations Report

9/27/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0 00	hdd			
Total Plant Steam Flow	99 40	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	9.1	klbs			
Total Plant Gas Flow	136 68	kscf			
Total Plant Gas Cost	\$839 32	\$			
Total Plant Oil Flow	0 0	gals			
Total Plant Oil Cost	\$0 00	\$			
Total Plant Fuel Cost	\$839 32	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	71.2	%			
Condensate Transfer Pump #1 Run Time	0 0	hrs			
Condensate Transfer Pump #2 Run Time	23 5	hrs			
Condensate Transfer Pump #3 Run Time	0 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	21 8	0 6	0 0	0 0	hrs
Steam Flow	99 40	0 00	0 00	0 00	klbs
Gas Flow	133 60	3 08	0 00	0 00	kscf
Natural Gas Cost	\$820 39	\$18 93	\$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	\$820 39	\$18 93	\$0 00	\$0 00	\$
Average Steam Cost	\$8 25	---	---	---	\$/klbs
Efficiency By Losses	81 3	80 0	0 0	0 0	%
Efficiency By I/O	72 9				%

Central State Hospital
Heating Plant Day Operations Report

9/28/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	143.64	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.4	klbs			
Total Plant Gas Flow	175.06	kscf			
Total Plant Gas Cost	\$1,075.01	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,075.01	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	80.4	%			
Condensate Transfer Pump #1 Run Time	0.1	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	5.0	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	23.5	0.7	0.0	0.0	hrs
Steam Flow	143.64	0.00	0.00	0.00	klbs
Gas Flow	171.59	3.47	0.00	0.00	kscf
Natural Gas Cost	\$1,053.68	\$21.33	\$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	\$1,053.68	\$21.33	\$0.00	\$0.00	\$
Average Steam Cost	\$7.34	---	---	---	\$/klbs
Efficiency By Losses	81.7	77.2	0.0	0.0	%
Efficiency By I/O	82.0				%

Central State Hospital
Heating Plant Day Operations Report

9/29/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	144.80	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.1	klbs			
Total Plant Gas Flow	180.31	kscf			
Total Plant Gas Cost	\$1,107.21	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,107.21	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.6	%			
Condensate Transfer Pump #1 Run Time	1.3	hrs			
Condensate Transfer Pump #2 Run Time	19.2	hrs			
Condensate Transfer Pump #3 Run Time	4.3	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	23.5	0.7	0.0	0.0	hrs
Steam Flow	144.80	0.00	0.00	0.00	klbs
Gas Flow	176.53	3.77	0.00	0.00	kscf
Natural Gas Cost	\$1,084.06	\$23.15	\$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	\$1,084.06	\$23.15	\$0.00	\$0.00	\$
Average Steam Cost	\$7.49	---	---	---	\$/klbs
Efficiency By Losses	81.5	73.3	0.0	0.0	%
Efficiency By I/O	80.3				%

Central State Hospital
Heating Plant Day Operations Report

9/30/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	136.76	kibs			
Steam Flow Per Heating Degree Day	---	kibs/hdd			
Total Condensate Return Water Flow	8.2	kibs			
Total Plant Gas Flow	173.68	kscf			
Total Plant Gas Cost	\$1,066.50	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,066.50	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/kibs			
Total Plant Efficiency By I/O	77.1	%			
Condensate Transfer Pump #1 Run Time	7.0	hrs			
Condensate Transfer Pump #2 Run Time	0.0	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	23.5	0.6	0.0	0.0	hrs
Steam Flow	136.76	0.00	0.00	0.00	kibs
Gas Flow	170.48	3.19	0.00	0.00	kscf
Natural Gas Cost	\$1,046.89	\$19.61	\$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	\$1,046.89	\$19.61	\$0.00	\$0.00	\$
Average Steam Cost	\$7.65	---	---	---	\$/kibs
Efficiency By Losses	81.5	78.4	0.0	0.0	%
Efficiency By I/O	78.6				%