

Central State Hospital
Heating Plant Day Operations Report

6/1/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	154.70	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	6.6	klbs			
Total Plant Gas Flow	208.25	kscf			
Total Plant Gas Cost	\$1,278.79	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,278.79	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	72.7	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	20.3	0.0	3.2	hrs
Steam Flow	0.00	132.96	0.00	21.74	klbs
Gas Flow	0.00	174.87	0.00	33.38	kscf
Natural Gas Cost	\$0.00	\$1,073.80	\$0.00	\$204.99	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,073.80	\$0.00	\$204.99	\$
Average Steam Cost	---	\$8.08	---	\$9.43	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		74.5		63.8	%

Central State Hospital
Heating Plant Day Operations Report

6/2/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	158.07	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.7	klbs			
Total Plant Gas Flow	217.63	kscf			
Total Plant Gas Cost	\$1,336.38	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,336.38	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	71.1	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.2	2.3	0.0	hrs
Steam Flow	0.00	157.02	1.05	0.00	klbs
Gas Flow	0.00	204.08	13.54	0.00	kscf
Natural Gas Cost	\$0.00	\$1,253.23	\$83.15	\$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	\$0.00	\$1,253.23	\$83.15	\$0.00	\$
Average Steam Cost	---	\$7.98	\$79.11	---	\$/klbs
Efficiency By Losses	0.0	0.0	81.3	0.0	%
Efficiency By I/O		75.3	7.6		%

Central State Hospital
Heating Plant Day Operations Report

6/3/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	149.03	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	196.98	kscf			
Total Plant Gas Cost	\$1,209.64	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,209.64	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	74.1	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.4	0.0	hrs
Steam Flow	0.00	149.03	0.00	0.00	klbs
Gas Flow	0.00	194.85	2.14	0.00	kscf
Natural Gas Cost	\$0.00	\$1,196.51	\$13.12	\$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	\$0.00	\$1,196.51	\$13.12	\$0.00	\$
Average Steam Cost	---	\$8.03	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	79.4	0.0	%
Efficiency By I/O		74.9			%

Central State Hospital
Heating Plant Day Operations Report

6/4/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	162.54	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.2	klbs			
Total Plant Gas Flow	207.14	kscf			
Total Plant Gas Cost	\$1,272.02	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,272.02	\$			
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	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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.5	0.0	hrs
Steam Flow	0.00	162.54	0.00	0.00	klbs
Gas Flow	0.00	204.70	2.45	0.00	kscf
Natural Gas Cost	\$0.00	\$1,256.99	\$15.02	\$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	\$0.00	\$1,256.99	\$15.02	\$0.00	\$
Average Steam Cost	---	\$7.73	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	80.2	0.0	%
Efficiency By I/O		77.8			%

Central State Hospital
Heating Plant Day Operations Report

6/5/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	163.70	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.4	klbs			
Total Plant Gas Flow	209.06	kscf			
Total Plant Gas Cost	\$1,283.76	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,283.76	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	76.7	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.5	0.2	hrs
Steam Flow	0.00	163.70	0.00	0.00	klbs
Gas Flow	0.00	205.76	2.57	0.72	kscf
Natural Gas Cost	\$0.00	\$1,263.54	\$15.79	\$4.43	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,263.54	\$15.79	\$4.43	\$
Average Steam Cost	---	\$7.72	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	75.3	0.0	%
Efficiency By I/O		77.9			%

Central State Hospital
Heating Plant Day Operations Report

6/6/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	155.03	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.4	klbs			
Total Plant Gas Flow	196.58	kscf			
Total Plant Gas Cost	\$1,207.15	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,207.15	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.2	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	4.8	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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.5	0.1	hrs
Steam Flow	0.00	155.03	0.00	0.00	klbs
Gas Flow	0.00	194.03	2.22	0.33	kscf
Natural Gas Cost	\$0.00	\$1,191.51	\$13.63	\$2.01	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,191.51	\$13.63	\$2.01	\$
Average Steam Cost	---	\$7.69	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	80.3	0.0	%
Efficiency By I/O		78.2			%

Central State Hospital
Heating Plant Day Operations Report

6/7/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	156.50	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.5	klbs			
Total Plant Gas Flow	198.82	kscf			
Total Plant Gas Cost	\$1,220.91	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,220.91	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.1	%			
Condensate Transfer Pump #1 Run Time	6.2	hrs			
Condensate Transfer Pump #2 Run Time	23.3	hrs			
Condensate Transfer Pump #3 Run Time	2.1	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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.5	0.0	hrs
Steam Flow	0.00	156.50	0.00	0.00	klbs
Gas Flow	0.00	196.35	2.47	0.00	kscf
Natural Gas Cost	\$0.00	\$1,205.75	\$15.16	\$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	\$0.00	\$1,205.75	\$15.16	\$0.00	\$
Average Steam Cost	---	\$7.70	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	73.6	0.0	%
Efficiency By I/O		78.1			%

Central State Hospital
Heating Plant Day Operations Report

6/8/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	150.75			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.3			klbs	
Total Plant Gas Flow	210.17			kscf	
Total Plant Gas Cost	\$1,290.58			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,290.58			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	70.2			%	
Condensate Transfer Pump #1 Run Time	0.2			hrs	
Condensate Transfer Pump #2 Run Time	23.5			hrs	
Condensate Transfer Pump #3 Run Time	3.0			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	0.0			hrs	
Fuel Oil Pump #2 Run Time	0.0			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.1	2.0	hrs
Steam Flow	0.00	149.19	0.00	1.56	klbs
Gas Flow	0.00	194.53	1.10	14.54	kscf
Natural Gas Cost	\$0.00	\$1,194.54	\$6.77	\$89.27	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,194.54	\$6.77	\$89.27	\$
Average Steam Cost	---	\$8.01	---	\$57.06	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	79.3	%
Efficiency By I/O		75.1		10.5	%

Central State Hospital
Heating Plant Day Operations Report

6/9/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	146.12	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.6	klbs			
Total Plant Gas Flow	193.78	kscf			
Total Plant Gas Cost	\$1,189.93	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,189.93	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	73.8	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	15.1	0.4	7.9	hrs
Steam Flow	0.00	91.24	0.00	54.88	klbs
Gas Flow	0.00	119.79	4.26	69.73	kscf
Natural Gas Cost	\$0.00	\$735.57	\$26.16	\$428.19	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$735.57	\$26.16	\$428.19	\$
Average Steam Cost	---	\$8.06	---	\$7.80	\$/klbs
Efficiency By Losses	0.0	0.0	68.7	0.0	%
Efficiency By I/O		74.6		77.1	%

Central State Hospital
Heating Plant Day Operations Report

6/10/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	140.26	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.5	klbs			
Total Plant Gas Flow	184.70	kscf			
Total Plant Gas Cost	\$1,134.20	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,134.20	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	74.4	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.4	0.0	hrs
Steam Flow	0.00	140.26	0.00	0.00	klbs
Gas Flow	0.00	182.66	2.04	0.00	kscf
Natural Gas Cost	\$0.00	\$1,121.68	\$12.52	\$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	\$0.00	\$1,121.68	\$12.52	\$0.00	\$
Average Steam Cost	---	\$8.00	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	76.3	0.0	%
Efficiency By I/O		75.2			%

Central State Hospital
Heating Plant Day Operations Report

6/11/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	140.77	klbs			
Steam Flow Per Heating Degree Day	—	klbs/hdd			
Total Condensate Return Water Flow	8.4	klbs			
Total Plant Gas Flow	181.33	kscf			
Total Plant Gas Cost	\$1,113.48	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,113.48	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	—	\$/klbs			
Total Plant Efficiency By I/O	76.0	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.5	0.0	hrs
Steam Flow	0.00	140.77	0.00	0.00	klbs
Gas Flow	0.00	178.98	2.35	0.00	kscf
Natural Gas Cost	\$0.00	\$1,099.07	\$14.41	\$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	\$0.00	\$1,099.07	\$14.41	\$0.00	\$
Average Steam Cost	—	\$7.81	---	—	\$/klbs
Efficiency By Losses	0.0	0.0	78.0	0.0	%
Efficiency By I/O		77.0			%

Central State Hospital
Heating Plant Day Operations Report

6/12/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	147.12			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.3			klbs	
Total Plant Gas Flow	211.97			kscf	
Total Plant Gas Cost	\$1,301.64			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,301.64			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	68.0			%	
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	0.0			hrs	
Fuel Oil Pump #2 Run Time	0.0			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	17.1	6.0	1.0	hrs
Steam Flow	0.00	104.60	41.68	0.84	klbs
Gas Flow	0.00	140.12	63.00	8.84	kscf
Natural Gas Cost	\$0.00	\$860.44	\$386.89	\$54.31	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$860.44	\$386.89	\$54.31	\$
Average Steam Cost	---	\$8.23	\$9.28	\$64.33	\$/klbs
Efficiency By Losses	0.0	0.0	76.1	0.0	%
Efficiency By I/O		73.1	64.8	9.3	%

Central State Hospital
Heating Plant Day Operations Report

6/13/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	150.32			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.6			klbs	
Total Plant Gas Flow	199.62			kscf	
Total Plant Gas Cost	\$1,225.80			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,225.80			\$	
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	0.0			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	0.0			hrs	
Fuel Oil Pump #2 Run Time	0.0			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	21.1	0.1	2.7	hrs
Steam Flow	0.00	132.33	0.00	17.99	klbs
Gas Flow	0.00	175.16	0.36	24.09	kscf
Natural Gas Cost	\$0.00	\$1,075.62	\$2.23	\$147.95	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,075.62	\$2.23	\$147.95	\$
Average Steam Cost	---	\$8.13	---	\$8.22	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		74.0		73.1	%

Central State Hospital
Heating Plant Day Operations Report

6/14/2018
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	137.35	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	8.1	klbs
Total Plant Gas Flow	190.59	kscf
Total Plant Gas Cost	\$1,170.38	\$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	\$0.00	\$
Total Plant Fuel Cost	\$1,170.38	\$
Fuel Cost Per Heating Degree Day	---	\$/hdd
Plant Average Steam Cost Per Degree Day	---	\$/klbs
Total Plant Efficiency By I/O	70.6	%

Condensate Transfer Pump #1 Run Time	1.9	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	21.7	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	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.1	hrs
Steam Flow	0.00	137.35	0.00	0.00	klbs
Gas Flow	0.00	189.92	0.00	0.67	kscf
Natural Gas Cost	\$0.00	\$1,166.27	\$0.00	\$4.11	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,166.27	\$0.00	\$4.11	\$
Average Steam Cost	---	\$8.49	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	78.2	%
Efficiency By I/O		70.8			%

Central State Hospital
Heating Plant Day Operations Report

6/15/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	130.62			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.2			klbs	
Total Plant Gas Flow	184.88			kscf	
Total Plant Gas Cost	\$1,135.33			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,135.33			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	69.2			%	
Condensate Transfer Pump #1 Run Time	1.8			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	0.0			hrs	
Fuel Oil Pump #2 Run Time	0.0			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.3	hrs
Steam Flow	0.00	130.62	0.00	0.00	klbs
Gas Flow	0.00	183.09	0.00	1.80	kscf
Natural Gas Cost	\$0.00	\$1,124.30	\$0.00	\$11.02	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$1,124.30	\$0.00	\$11.02	\$
Average Steam Cost	---	\$8.61	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	77.6	%
Efficiency By I/O		69.9			%

Central State Hospital
Heating Plant Day Operations Report

6/16/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	136.50				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.2				klbs
Total Plant Gas Flow	193.31				kscf
Total Plant Gas Cost	\$1,187.05				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,187.05				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	69.2				%
Condensate Transfer Pump #1 Run Time	0.5				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	6.7				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	0.0				hrs
Fuel Oil Pump #2 Run Time	0.0				hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	8.7	14.7	1.0	hrs
Steam Flow	0.00	55.43	76.10	4.97	klbs
Gas Flow	0.00	76.62	101.73	14.96	kscf
Natural Gas Cost	\$0.00	\$470.49	\$624.70	\$91.86	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$470.49	\$624.70	\$91.86	\$
Average Steam Cost	---	\$8.49	\$8.21	\$18.47	\$/klbs
Efficiency By Losses	0.0	0.0	83.9	0.0	%
Efficiency By I/O		70.8	73.3	32.6	%

Central State Hospital
Heating Plant Day Operations Report

6/17/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.75	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.2	klbs			
Total Plant Gas Flow	164.81	kscf			
Total Plant Gas Cost	\$1,012.09	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,012.09	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	81.8	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.0	hrs
Steam Flow	0.00	0.00	137.75	0.00	klbs
Gas Flow	0.00	0.00	164.81	0.00	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,012.09	\$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	\$0.00	\$0.00	\$1,012.09	\$0.00	\$
Average Steam Cost	---	---	\$7.35	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.9	0.0	%
Efficiency By I/O			81.8		%

Central State Hospital
Heating Plant Day Operations Report

6/18/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	136.62	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.7	klbs			
Total Plant Gas Flow	164.57	kscf			
Total Plant Gas Cost	\$1,010.57	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,010.57	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	81.3	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.2	hrs
Steam Flow	0.00	0.00	136.62	0.00	klbs
Gas Flow	0.00	0.00	163.39	1.18	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,003.32	\$7.25	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,003.32	\$7.25	\$
Average Steam Cost	---	---	\$7.34	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.9	72.5	%
Efficiency By I/O			81.9		%

Central State Hospital
Heating Plant Day Operations Report

6/19/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	154.37				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	4.7				klbs
Total Plant Gas Flow	189.09				kscf
Total Plant Gas Cost	\$1,161.17				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,161.17				\$
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	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	0.0				hrs
Fuel Oil Pump #2 Run Time	0.0				hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.4	0.6	hrs
Steam Flow	0.00	0.00	154.37	0.00	klbs
Gas Flow	0.00	0.00	183.94	5.16	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,129.51	\$31.67	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,129.51	\$31.67	\$
Average Steam Cost	---	---	\$7.32	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.4	75.9	%
Efficiency By I/O			82.2		%

Central State Hospital
Heating Plant Day Operations Report

6/20/2018
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	151.08	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	4.3	klbs
Total Plant Gas Flow	182.91	kscf
Total Plant Gas Cost	\$1,123.20	\$
Total Plant Oil Flow	1.0	gals
Total Plant Oil Cost	\$3.73	\$
Total Plant Fuel Cost	\$1,126.92	\$
Fuel Cost Per Heating Degree Day	---	\$/hdd
Plant Average Steam Cost Per Degree Day	---	\$/klbs
Total Plant Efficiency By I/O	80.8	%

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	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.4	hrs
Steam Flow	0.00	0.00	151.08	0.00	klbs
Gas Flow	0.00	0.00	179.95	2.96	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,105.01	\$18.19	\$
Oil Flow	0.0	0.0	1.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$3.73	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,108.74	\$18.19	\$
Average Steam Cost	---	---	\$7.34	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.4	82.2	%
Efficiency By I/O			82.2		%

Central State Hospital
Heating Plant Day Operations Report

6/21/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	151.33	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	4.9	klbs			
Total Plant Gas Flow	184.17	kscf			
Total Plant Gas Cost	\$1,130.91	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.03	\$			
Total Plant Fuel Cost	\$1,130.94	\$			
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	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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.6	hrs
Steam Flow	0.00	0.00	151.33	0.00	klbs
Gas Flow	0.00	0.00	180.07	4.09	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,105.77	\$25.14	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.03	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,105.80	\$25.14	\$
Average Steam Cost	---	---	\$7.31	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.5	76.9	%
Efficiency By I/O			82.3		%

Central State Hospital
Heating Plant Day Operations Report

6/22/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	144.09				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.0				klbs
Total Plant Gas Flow	166.29				kscf
Total Plant Gas Cost	\$1,021.12				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,021.12				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	84.9				%
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	0.0				hrs
Fuel Oil Pump #2 Run Time	0.0				hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.2	hrs
Steam Flow	0.00	0.00	144.09	0.00	klbs
Gas Flow	0.00	0.00	164.82	1.47	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,012.11	\$9.01	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,012.11	\$9.01	\$
Average Steam Cost	---	---	\$7.02	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.6	83.6	%
Efficiency By I/O			85.6		%

Central State Hospital
Heating Plant Day Operations Report

6/23/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	19.34				hdd
Total Plant Steam Flow	147.43				klbs
Steam Flow Per Heating Degree Day	7.6				klbs/hdd
Total Condensate Return Water Flow	7.9				klbs
Total Plant Gas Flow	170.03				kscf
Total Plant Gas Cost	\$1,044.08				\$
Total Plant Oil Flow	0.3				gals
Total Plant Oil Cost	\$1.05				\$
Total Plant Fuel Cost	\$1,045.13				\$
Fuel Cost Per Heating Degree Day	\$54.03				\$/hdd
Plant Average Steam Cost Per Degree Day	\$0.37				\$/klbs
Total Plant Efficiency By I/O	84.9				%
Condensate Transfer Pump #1 Run Time	11.7				hrs
Condensate Transfer Pump #2 Run Time	11.5				hrs
Condensate Transfer Pump #3 Run Time	0.2				hrs
Boiler Feed Pump #1 Run Time	23.3				hrs
Boiler Feed Pump #2 Run Time	23.3				hrs
Boiler Feed Pump #3 Run Time	22.4				hrs
Boiler Feed Pump #4 Run Time	23.2				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	0.0	0.0	23.4	0.2	hrs
Steam Flow	0.00	0.00	147.43	0.00	klbs
Gas Flow	0.00	0.00	168.88	1.15	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,037.02	\$7.06	\$
Oil Flow	0.0	0.0	0.3	0.0	gals
Oil Cost	\$0.00	\$0.00	\$1.05	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,038.07	\$7.06	\$
Average Steam Cost	—	—	\$7.04	—	\$/klbs
Efficiency By Losses	0.0	0.0	83.6	78.4	%
Efficiency By I/O			85.5		%

Central State Hospital
Heating Plant Day Operations Report

6/24/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.21	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.2	klbs			
Total Plant Gas Flow	159.10	kscf			
Total Plant Gas Cost	\$977.00	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$977.00	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	84.5	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.2	hrs
Steam Flow	0.00	0.00	137.21	0.00	klbs
Gas Flow	0.00	0.00	157.96	1.15	kscf
Natural Gas Cost	\$0.00	\$0.00	\$969.96	\$7.04	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$969.96	\$7.04	\$
Average Steam Cost	---	---	\$7.07	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.6	83.8	%
Efficiency By I/O			85.1		%

Central State Hospital
Heating Plant Day Operations Report

6/25/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	137.56	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	160.94	kscf			
Total Plant Gas Cost	\$988.31	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$988.31	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	83.7	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	137.56	0.00	klbs
Gas Flow	0.00	0.00	159.20	1.75	kscf
Natural Gas Cost	\$0.00	\$0.00	\$977.59	\$10.72	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$977.59	\$10.72	\$
Average Steam Cost	---	---	\$7.11	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.6	75.6	%
Efficiency By I/O			84.6		%

Central State Hospital
Heating Plant Day Operations Report

6/26/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	157.12	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	182.24	kscf			
Total Plant Gas Cost	\$1,119.09	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,119.09	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	84.4	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.4	0.1	hrs
Steam Flow	0.00	0.00	157.12	0.00	klbs
Gas Flow	0.00	0.00	179.91	2.33	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,104.76	\$14.33	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,104.76	\$14.33	\$
Average Steam Cost	---	---	\$7.03	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.5	0.0	%
Efficiency By I/O			85.5		%

Central State Hospital
Heating Plant Day Operations Report

6/27/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	149.46	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.0	klbs			
Total Plant Gas Flow	176.01	kscf			
Total Plant Gas Cost	\$1,080.81	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,080.81	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	83.2	%			
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	0.0	hrs			
Fuel Oil Pump #2 Run Time	0.0	hrs			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.2	hrs
Steam Flow	0.00	0.00	149.46	0.00	klbs
Gas Flow	0.00	0.00	174.85	1.16	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,073.71	\$7.10	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$1,073.71	\$7.10	\$
Average Steam Cost	---	---	\$7.18	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.5	74.7	%
Efficiency By I/O			83.7		%

Central State Hospital
Heating Plant Day Operations Report

6/28/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	139.41				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.3				klbs
Total Plant Gas Flow	162.62				kscf
Total Plant Gas Cost	\$998.58				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$998.58				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	84.0				%
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	0.0				hrs
Fuel Oil Pump #2 Run Time	0.0				hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	23.5	0.2	hrs
Steam Flow	0.00	0.00	139.41	0.00	klbs
Gas Flow	0.00	0.00	161.31	1.30	kscf
Natural Gas Cost	\$0.00	\$0.00	\$990.59	\$7.99	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$0.00	\$990.59	\$7.99	\$
Average Steam Cost	---	---	\$7.11	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.7	83.8	%
Efficiency By I/O			84.6		%

Central State Hospital
Heating Plant Day Operations Report

6/30/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	138.07			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.0			klbs	
Total Plant Gas Flow	176.19			kscf	
Total Plant Gas Cost	\$1,081.93			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,081.93			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	76.7			%	
Condensate Transfer Pump #1 Run Time	14.5			hrs	
Condensate Transfer Pump #2 Run Time	9.0			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	0.0			hrs	
Fuel Oil Pump #2 Run Time	0.0			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	1.8	0.0	21.5	hrs
Steam Flow	0.00	9.81	0.00	128.26	klbs
Gas Flow	0.00	16.72	0.00	159.47	kscf
Natural Gas Cost	\$0.00	\$102.66	\$0.00	\$979.27	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$102.66	\$0.00	\$979.27	\$
Average Steam Cost	---	\$10.47	---	\$7.63	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	82.5	%
Efficiency By I/O		57.4		78.8	%