

Central State Hospital
Heating Plant Day Operations Report

5/1/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	9.86			hdd	
Total Plant Steam Flow	249.43			klbs	
Steam Flow Per Heating Degree Day	25.3			klbs/hdd	
Total Condensate Return Water Flow	9.0			klbs	
Total Plant Gas Flow	284.09			kscf	
Total Plant Gas Cost	\$1,744.55			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,744.55			\$	
Fuel Cost Per Heating Degree Day	\$176.95			\$/hdd	
Plant Average Steam Cost Per Degree Day	\$0.71			\$/klbs	
Total Plant Efficiency By I/O	86.0			%	
Condensate Transfer Pump #1 Run Time	21.6			hrs	
Condensate Transfer Pump #2 Run Time	23.5			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	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	0.0	0.0	22.3	1.8	hrs
Steam Flow	0.00	0.00	234.46	14.97	klbs
Gas Flow	0.00	0.00	262.80	21.29	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,613.80	\$130.75	\$
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	\$1,613.80	\$130.75	\$
Average Steam Cost	—	—	\$6.88	\$8.74	\$/klbs
Efficiency By Losses	0.0	0.0	82.6	77.3	%
Efficiency By I/O			87.4	68.8	%

Central State Hospital
Heating Plant Day Operations Report

5/2/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	1.05			hdd	
Total Plant Steam Flow	222.88			klbs	
Steam Flow Per Heating Degree Day	211.8			klbs/hdd	
Total Condensate Return Water Flow	5.0			klbs	
Total Plant Gas Flow	252.05			kscf	
Total Plant Gas Cost	\$1,547.80			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,547.80			\$	
Fuel Cost Per Heating Degree Day	\$1,470.98			\$/hdd	
Plant Average Steam Cost Per Degree Day	\$6.60			\$/klbs	
Total Plant Efficiency By I/O	86.6			%	
Condensate Transfer Pump #1 Run Time	12.7			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	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	0.0	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	222.88	0.00	klbs
Gas Flow	0.00	0.00	250.44	1.61	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,537.90	\$9.91	\$
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	\$1,537.90	\$9.91	\$
Average Steam Cost	---	---	\$6.90	---	\$/klbs
Efficiency By Losses	0.0	0.0	82.7	0.0	%
Efficiency By I/O			87.2		%

Central State Hospital
Heating Plant Day Operations Report

5/3/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	111.01	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.9	klbs			
Total Plant Gas Flow	139.76	kscf			
Total Plant Gas Cost	\$858.26	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$858.26	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	77.8	%			
Condensate Transfer Pump #1 Run Time	12.7	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	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	0.0	0.0	13.9	1.3	hrs
Steam Flow	0.00	0.00	104.19	6.82	klbs
Gas Flow	0.00	0.00	125.39	14.37	kscf
Natural Gas Cost	\$0.00	\$0.00	\$770.00	\$88.26	\$
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	\$770.00	\$88.26	\$
Average Steam Cost	---	---	\$7.39	\$12.94	\$/klbs
Efficiency By Losses	0.0	0.0	82.9	0.0	%
Efficiency By I/O			81.4	46.5	%

Central State Hospital
Heating Plant Day Operations Report

5/4/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	170.48	klbs			
Steam Flow Per Heating Degree Day	—	klbs/hdd			
Total Condensate Return Water Flow	8.6	klbs			
Total Plant Gas Flow	202.28	kscf			
Total Plant Gas Cost	\$1,242.16	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,242.16	\$			
Fuel Cost Per Heating Degree Day	—	\$/hdd			
Plant Average Steam Cost Per Degree Day	—	\$/klbs			
Total Plant Efficiency By I/O	82.5	%			
Condensate Transfer Pump #1 Run Time	12.7	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	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	0.0	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	170.48	0.00	klbs
Gas Flow	0.00	0.00	200.50	1.78	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,231.22	\$10.94	\$
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	\$1,231.22	\$10.94	\$
Average Steam Cost	—	—	\$7.22	—	\$/klbs
Efficiency By Losses	0.0	0.0	83.0	76.0	%
Efficiency By I/O			83.3		%

Central State Hospital
Heating Plant Day Operations Report

5/5/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	153.72			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.7			klbs	
Total Plant Gas Flow	184.51			kscf	
Total Plant Gas Cost	\$1,133.03			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,133.03			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	81.6			%	
Condensate Transfer Pump #1 Run Time	12.7			hrs	
Condensate Transfer Pump #2 Run Time	23.5			hrs	
Condensate Transfer Pump #3 Run Time	0.4			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	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	0.0	0.0	23.5	0.6	hrs
Steam Flow	0.00	0.00	153.54	0.19	klbs
Gas Flow	0.00	0.00	180.62	3.89	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,109.14	\$23.89	\$
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	\$1,109.14	\$23.89	\$
Average Steam Cost	---	---	\$7.22	\$126.21	\$/klbs
Efficiency By Losses	0.0	0.0	82.9	0.0	%
Efficiency By I/O			83.2	4.8	%

Central State Hospital
Heating Plant Day Operations Report

5/6/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	157.60				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	9.0				klbs
Total Plant Gas Flow	190.75				kscf
Total Plant Gas Cost	\$1,171.35				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,171.35				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	80.9				%
Condensate Transfer Pump #1 Run Time	12.5				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	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	0.0	0.0	23.5	0.5	hrs
Steam Flow	0.00	0.00	157.60	0.00	klbs
Gas Flow	0.00	0.00	187.90	2.85	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,153.87	\$17.48	\$
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	\$1,153.87	\$17.48	\$
Average Steam Cost	---	---	\$7.32	---	\$/klbs
Efficiency By Losses	0.0	0.0	82.8	75.7	%
Efficiency By I/O			82.1		%

Central State Hospital
Heating Plant Day Operations Report

5/7/2018
7:00 AM
Daily Report

Description

	Plant		Units		
Heating Degree Days	0.00		hdd		
Total Plant Steam Flow	161.91		klbs		
Steam Flow Per Heating Degree Day	---		klbs/hdd		
Total Condensate Return Water Flow	8.9		klbs		
Total Plant Gas Flow	195.01		kscf		
Total Plant Gas Cost	\$1,197.51		\$		
Total Plant Oil Flow	0.0		gals		
Total Plant Oil Cost	\$0.00		\$		
Total Plant Fuel Cost	\$1,197.51		\$		
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	12.7		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	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	0.0	0.0	23.5	0.4	hrs
Steam Flow	0.00	0.00	161.91	0.00	klbs
Gas Flow	0.00	0.00	192.74	2.27	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,183.58	\$13.93	\$
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	\$1,183.58	\$13.93	\$
Average Steam Cost	---	---	\$7.31	---	\$/klbs
Efficiency By Losses	0.0	0.0	82.9	79.2	%
Efficiency By I/O			82.3		%

Central State Hospital
Heating Plant Day Operations Report

5/8/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	183.72				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.3				klbs
Total Plant Gas Flow	222.39				kscf
Total Plant Gas Cost	\$1,365.62				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,365.62				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	80.9				%
Condensate Transfer Pump #1 Run Time	13.8				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	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	0.0	0.0	23.5	0.8	hrs
Steam Flow	0.00	0.00	183.49	0.23	klbs
Gas Flow	0.00	0.00	216.98	5.41	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,332.41	\$33.21	\$
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	\$1,332.41	\$33.21	\$
Average Steam Cost	---	---	\$7.26	\$142.37	\$/klbs
Efficiency By Losses	0.0	0.0	82.8	73.0	%
Efficiency By I/O			82.8	4.2	%

Central State Hospital
Heating Plant Day Operations Report

5/9/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	174.67	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.8	klbs			
Total Plant Gas Flow	210.65	kscf			
Total Plant Gas Cost	\$1,293.55	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,293.55	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	81.2	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	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	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	0.0	0.0	23.4	0.7	hrs
Steam Flow	0.00	0.00	173.63	1.05	klbs
Gas Flow	0.00	0.00	205.41	5.24	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,261.39	\$32.16	\$
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	\$1,261.39	\$32.16	\$
Average Steam Cost	---	---	\$7.27	\$30.73	\$/klbs
Efficiency By Losses	0.0	0.0	82.7	0.0	%
Efficiency By I/O			82.8	19.6	%

Central State Hospital
Heating Plant Day Operations Report

5/10/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	165.41				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.9				klbs
Total Plant Gas Flow	198.58				kscf
Total Plant Gas Cost	\$1,219.41				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,219.41				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	81.6				%
Condensate Transfer Pump #1 Run Time	23.5				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	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	0.0	0.0	22.2	2.0	hrs
Steam Flow	0.00	0.00	155.42	9.99	klbs
Gas Flow	0.00	0.00	182.02	16.56	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,117.72	\$101.69	\$
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	\$1,117.72	\$101.69	\$
Average Steam Cost	---	---	\$7.19	\$10.18	\$/klbs
Efficiency By Losses	0.0	0.0	82.8	0.0	%
Efficiency By I/O			83.6	59.1	%

Central State Hospital
Heating Plant Day Operations Report

5/11/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	164.24	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.6	klbs			
Total Plant Gas Flow	193.44	kscf			
Total Plant Gas Cost	\$1,187.86	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,187.86	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	83.1	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	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	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	0.0	0.0	23.3	0.7	hrs
Steam Flow	0.00	0.00	162.67	1.57	klbs
Gas Flow	0.00	0.00	187.44	6.00	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,151.05	\$36.82	\$
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	\$1,151.05	\$36.82	\$
Average Steam Cost	---	---	\$7.08	\$23.48	\$/klbs
Efficiency By Losses	0.0	0.0	82.9	0.0	%
Efficiency By I/O			85.0	25.6	%

Central State Hospital
Heating Plant Day Operations Report

5/12/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	156.83			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	8.7			klbs	
Total Plant Gas Flow	184.90			kscf	
Total Plant Gas Cost	\$1,135.41			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,135.41			\$	
Fuel Cost Per Heating Degree Day	---			\$/hdd	
Plant Average Steam Cost Per Degree Day	---			\$/klbs	
Total Plant Efficiency By I/O	83.1			%	
Condensate Transfer Pump #1 Run Time	23.5			hrs	
Condensate Transfer Pump #2 Run Time	23.5			hrs	
Condensate Transfer Pump #3 Run Time	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	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	0.0	0.0	23.5	0.4	hrs
Steam Flow	0.00	0.00	156.83	0.00	klbs
Gas Flow	0.00	0.00	182.73	2.17	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,122.08	\$13.33	\$
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	\$1,122.08	\$13.33	\$
Average Steam Cost	---	---	\$7.15	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.0	82.5	%
Efficiency By I/O			84.0		%

Central State Hospital
Heating Plant Day Operations Report

5/13/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	141.30				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.9				klbs
Total Plant Gas Flow	170.38				kscf
Total Plant Gas Cost	\$1,046.27				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,046.27				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	81.2				%
Condensate Transfer Pump #1 Run Time	23.5				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	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	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	0.0	0.0	23.5	0.4	hrs
Steam Flow	0.00	0.00	141.30	0.00	klbs
Gas Flow	0.00	0.00	168.15	2.24	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,032.54	\$13.74	\$
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	\$1,032.54	\$13.74	\$
Average Steam Cost	---	---	\$7.31	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.0	78.1	%
Efficiency By I/O			82.3		%

Central State Hospital
Heating Plant Day Operations Report

5/14/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	145.75				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	9.1				klbs
Total Plant Gas Flow	177.26				kscf
Total Plant Gas Cost	\$1,088.51				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,088.51				\$
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	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	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	0.0	0.0	23.5	0.5	hrs
Steam Flow	0.00	0.00	145.75	0.00	klbs
Gas Flow	0.00	0.00	174.48	2.78	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,071.43	\$17.07	\$
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	\$1,071.43	\$17.07	\$
Average Steam Cost	---	---	\$7.35	---	\$/klbs
Efficiency By Losses	0.0	0.0	82.9	77.4	%
Efficiency By I/O			81.8		%

Central State Hospital
Heating Plant Day Operations Report

5/15/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	156.66				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	9.1				klbs
Total Plant Gas Flow	181.37				kscf
Total Plant Gas Cost	\$1,113.75				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,113.75				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	84.6				%
Condensate Transfer Pump #1 Run Time	23.1				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	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	0.0	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	156.66	0.00	klbs
Gas Flow	0.00	0.00	179.64	1.73	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,103.14	\$10.61	\$
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	\$1,103.14	\$10.61	\$
Average Steam Cost	---	---	\$7.04	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.0	76.8	%
Efficiency By I/O			85.4		%

Central State Hospital
Heating Plant Day Operations Report

5/16/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	148.11	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.9	klbs			
Total Plant Gas Flow	172.26	kscf			
Total Plant Gas Cost	\$1,057.81	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,057.81	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	84.2	%			
Condensate Transfer Pump #1 Run Time	12.7	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	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	0.0	0.0	23.5	0.4	hrs
Steam Flow	0.00	0.00	148.11	0.00	klbs
Gas Flow	0.00	0.00	170.13	2.13	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,044.72	\$13.09	\$
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	\$1,044.72	\$13.09	\$
Average Steam Cost	---	---	\$7.05	---	\$/klbs
Efficiency By Losses	0.0	0.0	83.1	76.3	%
Efficiency By I/O			85.3		%

Central State Hospital
Heating Plant Day Operations Report

5/17/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	23.87	hdd			
Total Plant Steam Flow	139.54	klbs			
Steam Flow Per Heating Degree Day	5.8	klbs/hdd			
Total Condensate Return Water Flow	8.4	klbs			
Total Plant Gas Flow	188.02	kscf			
Total Plant Gas Cost	\$1,154.61	\$			
Total Plant Oil Flow	6.0	gals			
Total Plant Oil Cost	\$23.28	\$			
Total Plant Fuel Cost	\$1,177.89	\$			
Fuel Cost Per Heating Degree Day	\$49.35	\$/hdd			
Plant Average Steam Cost Per Degree Day	\$0.35	\$/klbs			
Total Plant Efficiency By I/O	72.4	%			
Condensate Transfer Pump #1 Run Time	18.3	hrs			
Condensate Transfer Pump #2 Run Time	23.4	hrs			
Condensate Transfer Pump #3 Run Time	0.0	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	19.9	hrs			
Boiler Feed Pump #4 Run Time	19.9	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	4.0	19.2	0.1	hrs
Steam Flow	0.00	18.24	121.30	0.00	klbs
Gas Flow	0.00	45.56	141.99	0.48	kscf
Natural Gas Cost	\$0.00	\$279.75	\$871.93	\$2.92	\$
Oil Flow	0.0	0.0	6.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$23.28	\$0.00	\$
Total Fuel Cost	\$0.00	\$279.75	\$895.21	\$2.92	\$
Average Steam Cost	---	\$15.34	\$7.38	—	\$/klbs
Efficiency By Losses	0.0	0.0	83.1	0.0	%
Efficiency By I/O		39.2	83.2		%

Central State Hospital
Heating Plant Day Operations Report

5/18/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	161.62	klbs			
Steam Flow Per Heating Degree Day	—	klbs/hdd			
Total Condensate Return Water Flow	6.6	klbs			
Total Plant Gas Flow	205.18	kscf			
Total Plant Gas Cost	\$1,259.97	\$			
Total Plant Oil Flow	3.1	gals			
Total Plant Oil Cost	\$12.01	\$			
Total Plant Fuel Cost	\$1,271.98	\$			
Fuel Cost Per Heating Degree Day	—	\$/hdd			
Plant Average Steam Cost Per Degree Day	—	\$/klbs			
Total Plant Efficiency By I/O	77.0	%			
Condensate Transfer Pump #1 Run Time	23.5	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	15.5	8.2	0.7	hrs
Steam Flow	0.00	101.59	59.97	0.06	klbs
Gas Flow	0.00	130.09	68.35	6.74	kscf
Natural Gas Cost	\$0.00	\$798.85	\$419.73	\$41.39	\$
Oil Flow	0.0	0.0	3.1	0.0	gals
Oil Cost	\$0.00	\$0.00	\$12.01	\$0.00	\$
Total Fuel Cost	\$0.00	\$798.85	\$431.74	\$41.39	\$
Average Steam Cost	—	\$7.86	\$7.20	\$734.11	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		76.5	85.4		%

Central State Hospital
Heating Plant Day Operations Report

5/19/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	203.96				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	6.0				klbs
Total Plant Gas Flow	247.02				kscf
Total Plant Gas Cost	\$1,516.87				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,516.87				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	80.9				%
Condensate Transfer Pump #1 Run Time	23.5				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	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	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	0.0	hrs
Steam Flow	0.00	203.96	0.00	0.00	klbs
Gas Flow	0.00	246.97	0.04	0.00	kscf
Natural Gas Cost	\$0.00	\$1,516.61	\$0.26	\$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	\$1,516.61	\$0.26	\$0.00	\$
Average Steam Cost	---	\$7.44	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		80.9			%

Central State Hospital
Heating Plant Day Operations Report

5/20/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	212.65				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	7.0				klbs
Total Plant Gas Flow	256.22				kscf
Total Plant Gas Cost	\$1,573.41				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,573.41				\$
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	23.5				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	0.4				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	0.2	hrs
Steam Flow	0.00	212.65	0.00	0.00	klbs
Gas Flow	0.00	255.01	0.00	1.22	kscf
Natural Gas Cost	\$0.00	\$1,565.92	\$0.00	\$7.49	\$
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	\$1,565.92	\$0.00	\$7.49	\$
Average Steam Cost	---	\$7.36	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		81.7			%

Central State Hospital
Heating Plant Day Operations Report

5/21/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	200.87				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.2				klbs
Total Plant Gas Flow	245.08				kscf
Total Plant Gas Cost	\$1,504.95				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,504.95				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	80.3				%
Condensate Transfer Pump #1 Run Time	23.5				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	1.7				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	0.3	hrs
Steam Flow	0.00	200.87	0.00	0.00	klbs
Gas Flow	0.00	243.34	0.00	1.73	kscf
Natural Gas Cost	\$0.00	\$1,494.32	\$0.00	\$10.63	\$
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	\$1,494.32	\$0.00	\$10.63	\$
Average Steam Cost	---	\$7.44	---	---	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	78.3	%
Efficiency By I/O		80.8			%

Central State Hospital
Heating Plant Day Operations Report

5/22/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	149.69	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	8.3	klbs			
Total Plant Gas Flow	182.60	kscf			
Total Plant Gas Cost	\$1,121.32	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,121.32	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	80.3	%			
Condensate Transfer Pump #1 Run Time	23.5	hrs			
Condensate Transfer Pump #2 Run Time	23.5	hrs			
Condensate Transfer Pump #3 Run Time	1.6	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	7.6	0.0	14.9	hrs
Steam Flow	0.00	73.99	0.00	75.71	klbs
Gas Flow	0.00	90.16	0.00	92.45	kscf
Natural Gas Cost	\$0.00	\$553.63	\$0.00	\$567.69	\$
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	\$553.63	\$0.00	\$567.69	\$
Average Steam Cost	---	\$7.48	---	\$7.50	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	83.2	%
Efficiency By I/O		80.4		80.2	%

Central State Hospital
Heating Plant Day Operations Report

5/23/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	170.93				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	7.8				klbs
Total Plant Gas Flow	229.69				kscf
Total Plant Gas Cost	\$1,410.49				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,410.49				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	72.9				%
Condensate Transfer Pump #1 Run Time	2.0				hrs
Condensate Transfer Pump #2 Run Time	23.5				hrs
Condensate Transfer Pump #3 Run Time	23.4				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	2.2	0.0	22.2	hrs
Steam Flow	0.00	12.15	0.00	158.79	klbs
Gas Flow	0.00	25.90	0.00	203.80	kscf
Natural Gas Cost	\$0.00	\$159.04	\$0.00	\$1,251.46	\$
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	\$159.04	\$0.00	\$1,251.46	\$
Average Steam Cost	---	\$13.09	---	\$7.88	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.4	%
Efficiency By I/O		45.9		76.3	%

Central State Hospital
Heating Plant Day Operations Report

5/24/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	153.34	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.9	klbs			
Total Plant Gas Flow	192.06	kscf			
Total Plant Gas Cost	\$1,179.39	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,179.39	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	78.2	%			
Condensate Transfer Pump #1 Run Time	1.9	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	0.5	0.0	23.4	hrs
Steam Flow	0.00	0.63	0.00	152.72	klbs
Gas Flow	0.00	4.36	0.00	187.70	kscf
Natural Gas Cost	\$0.00	\$26.77	\$0.00	\$1,152.62	\$
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	\$26.77	\$0.00	\$1,152.62	\$
Average Steam Cost	---	\$42.80	---	\$7.55	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.2	%
Efficiency By I/O		14.1		79.7	%

Central State Hospital
Heating Plant Day Operations Report

5/25/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	158.44				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	7.3				klbs
Total Plant Gas Flow	210.84				kscf
Total Plant Gas Cost	\$1,294.73				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,294.73				\$
Fuel Cost Per Heating Degree Day	---				\$/hdd
Plant Average Steam Cost Per Degree Day	---				\$/klbs
Total Plant Efficiency By I/O	73.6				%
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	18.9	0.0	4.3	hrs
Steam Flow	0.00	125.01	0.00	33.43	klbs
Gas Flow	0.00	167.33	0.00	43.51	kscf
Natural Gas Cost	\$0.00	\$1,027.55	\$0.00	\$267.18	\$
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	\$1,027.55	\$0.00	\$267.18	\$
Average Steam Cost	---	\$8.22	---	\$7.99	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	79.8	%
Efficiency By I/O		73.2		75.3	%

Central State Hospital
Heating Plant Day Operations Report

5/26/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	150.03			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	7.6			klbs	
Total Plant Gas Flow	189.22			kscf	
Total Plant Gas Cost	\$1,161.92			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,161.92			\$	
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	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	1.7	0.0	22.3	hrs
Steam Flow	0.00	9.75	0.00	140.28	klbs
Gas Flow	0.00	15.64	0.00	173.57	kscf
Natural Gas Cost	\$0.00	\$96.06	\$0.00	\$1,065.86	\$
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	\$96.06	\$0.00	\$1,065.86	\$
Average Steam Cost	---	\$9.85	---	\$7.60	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.3	%
Efficiency By I/O		61.0		79.1	%

Central State Hospital
Heating Plant Day Operations Report

5/27/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	139.03				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.0				klbs
Total Plant Gas Flow	174.25				kscf
Total Plant Gas Cost	\$1,070.04				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,070.04				\$
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	1.9				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	0.3	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	139.03	klbs
Gas Flow	0.00	2.30	0.00	171.96	kscf
Natural Gas Cost	\$0.00	\$14.10	\$0.00	\$1,055.94	\$
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	\$14.10	\$0.00	\$1,055.94	\$
Average Steam Cost	---	---	---	\$7.60	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.3	%
Efficiency By I/O				79.2	%

Central State Hospital
Heating Plant Day Operations Report

5/28/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	139.13				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	8.0				klbs
Total Plant Gas Flow	174.78				kscf
Total Plant Gas Cost	\$1,073.25				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,073.25				\$
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	1.9				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	0.6	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	139.13	klbs
Gas Flow	0.00	4.33	0.00	170.44	kscf
Natural Gas Cost	\$0.00	\$26.60	\$0.00	\$1,046.65	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$0.00	\$26.60	\$0.00	\$1,046.65	\$
Average Steam Cost	---	---	---	\$7.52	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.3	%
Efficiency By I/O				79.9	%

Central State Hospital
Heating Plant Day Operations Report

5/29/2018
7:00 AM
Daily Report

Description

	Plant			Units	
Heating Degree Days	0.00			hdd	
Total Plant Steam Flow	139.75			klbs	
Steam Flow Per Heating Degree Day	---			klbs/hdd	
Total Condensate Return Water Flow	7.7			klbs	
Total Plant Gas Flow	175.16			kscf	
Total Plant Gas Cost	\$1,075.64			\$	
Total Plant Oil Flow	0.0			gals	
Total Plant Oil Cost	\$0.00			\$	
Total Plant Fuel Cost	\$1,075.64			\$	
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	1.9			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	0.3	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	139.75	klbs
Gas Flow	0.00	2.15	0.00	173.02	kscf
Natural Gas Cost	\$0.00	\$13.19	\$0.00	\$1,062.45	\$
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	\$13.19	\$0.00	\$1,062.45	\$
Average Steam Cost	---	---	---	\$7.60	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.2	%
Efficiency By I/O				79.1	%

Central State Hospital
Heating Plant Day Operations Report

5/30/2018
7:00 AM
Daily Report

Description

	Plant				Units
Heating Degree Days	0.00				hdd
Total Plant Steam Flow	158.24				klbs
Steam Flow Per Heating Degree Day	---				klbs/hdd
Total Condensate Return Water Flow	7.8				klbs
Total Plant Gas Flow	198.92				kscf
Total Plant Gas Cost	\$1,221.54				\$
Total Plant Oil Flow	0.0				gals
Total Plant Oil Cost	\$0.00				\$
Total Plant Fuel Cost	\$1,221.54				\$
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	21.9				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	0.7	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	158.24	klbs
Gas Flow	0.00	5.35	0.00	193.57	kscf
Natural Gas Cost	\$0.00	\$32.87	\$0.00	\$1,188.67	\$
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	\$32.87	\$0.00	\$1,188.67	\$
Average Steam Cost	---	---	---	\$7.51	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	81.3	%
Efficiency By I/O				80.1	%

Central State Hospital
Heating Plant Day Operations Report

5/31/2018
7:00 AM
Daily Report

Description

	Plant	Units			
Heating Degree Days	0.00	hdd			
Total Plant Steam Flow	149.65	klbs			
Steam Flow Per Heating Degree Day	---	klbs/hdd			
Total Condensate Return Water Flow	7.9	klbs			
Total Plant Gas Flow	206.77	kscf			
Total Plant Gas Cost	\$1,269.74	\$			
Total Plant Oil Flow	0.0	gals			
Total Plant Oil Cost	\$0.00	\$			
Total Plant Fuel Cost	\$1,269.74	\$			
Fuel Cost Per Heating Degree Day	---	\$/hdd			
Plant Average Steam Cost Per Degree Day	---	\$/klbs			
Total Plant Efficiency By I/O	70.9	%			
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	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	21.9	0.0	1.9	hrs
Steam Flow	0.00	138.86	0.00	10.79	klbs
Gas Flow	0.00	189.43	0.00	17.34	kscf
Natural Gas Cost	\$0.00	\$1,163.26	\$0.00	\$106.47	\$
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	\$1,163.26	\$0.00	\$106.47	\$
Average Steam Cost	---	\$8.38	---	\$9.87	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O		71.8		60.9	%