Central State Hospital

Heating Plant Day Operations Report

1/1/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	13.72	hdd
Total Plant Steam Flow	304.38	klbs
Steam Flow Per Heating Degree Day	22.2	klbs/hdd
Total Condensate Return Water Flow	5.6	klbs
Total Plant Gas Flow	343.90	kscf
Total Plant Gas Cost	$2,111.78	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,111.78	$
Fuel Cost Per Heating Degree Day	$153.96	$/hdd
Plant Average Steam Cost Per Degree Day	$0.51	$/klbs
Total Plant Efficiency By I/O	86.7	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.2	0.0	1.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	304.38	klbs
Gas Flow	1.24	0.00	3.72	338.94	kscf
Natural Gas Cost	$7.60	$0.00	$22.86	$2,081.32	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$7.60	$0.00	$22.86	$2,081.32	$
Average Steam Cost	---	---	---	$6.84	$/klbs
Efficiency By Losses	71.0	0.0	73.5	81.7	%
Efficiency By I/O				87.9	%

Central State Hospital

Heating Plant Day Operations Report

1/2/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	8.40	hdd
Total Plant Steam Flow	299.09	klbs
Steam Flow Per Heating Degree Day	35.6	klbs/hdd
Total Condensate Return Water Flow	5.7	klbs
Total Plant Gas Flow	339.60	kscf
Total Plant Gas Cost	$2,085.39	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,085.39	$
Fuel Cost Per Heating Degree Day	$248.37	$/hdd
Plant Average Steam Cost Per Degree Day	$0.83	$/klbs
Total Plant Efficiency By I/O	86.2	%
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	23.5	hrs
Condensate Transfer Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #1 Run Time	23.5	hrs
Boiler Feed Pump #2 Run Time	23.5	hrs
Boiler Feed Pump #3 Run Time	23.5	hrs
Boiler Feed Pump #4 Run Time	23.5	hrs
Fuel Oil Pump #1 Run Time	23.5	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.1	23.5	hrs
Steam Flow	0.00	0.00	0.00	299.09	klbs
Gas Flow	1.88	0.00	4.10	333.62	kscf
Natural Gas Cost	$11.56	$0.00	$25.17	$2,048.67	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$11.56	$0.00	$25.17	$2,048.67	$
Average Steam Cost	---	---	---	$6.85	$/klbs
Efficiency By Losses	77.2	0.0	74.7	81.6	%
Efficiency By I/O				87.8	%

Central State Hospital

Heating Plant Day Operations Report

1/3/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	19.38	hdd
Total Plant Steam Flow	276.74	klbs
Steam Flow Per Heating Degree Day	14.3	klbs/hdd
Total Condensate Return Water Flow	6.6	klbs
Total Plant Gas Flow	320.64	kscf
Total Plant Gas Cost	$1,968.97	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$1,968.97	$
Fuel Cost Per Heating Degree Day	$101.60	$/hdd
Plant Average Steam Cost Per Degree Day	$0.37	$/klbs
Total Plant Efficiency By I/O	84.5	%
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	17.8	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	7.4	0.0	1.4	18.7	hrs
Steam Flow	46.71	0.00	2.54	227.49	klbs
Gas Flow	60.81	0.00	5.13	254.70	kscf
Natural Gas Cost	$373.40	$0.00	$31.49	$1,564.08	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$373.40	$0.00	$31.49	$1,564.08	$
Average Steam Cost	$7.99	—	$12.39	$6.88	$/klbs
Efficiency By Losses	76.6	0.0	80.0	81.3	%
Efficiency By I/O	75.2		48.5	87.5	%

Central State Hospital

Heating Plant Day Operations Report

1/4/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	352.95	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	1.7	klbs
Total Plant Gas Flow	446.88	kscf
Total Plant Gas Cost	$2,744.16	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,744.16	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	77.3	%

Condensate Transfer Pump #1 Run Time	6.2	hrs
Condensate Transfer Pump #2 Run Time	6.2	hrs
Condensate Transfer Pump #3 Run Time	6.2	hrs
Boiler Feed Pump #1 Run Time	6.2	hrs
Boiler Feed Pump #2 Run Time	6.2	hrs
Boiler Feed Pump #3 Run Time	6.2	hrs
Boiler Feed Pump #4 Run Time	6.2	hrs
Fuel Oil Pump #1 Run Time	6.2	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	7.4	0.0	2.3	22.4	hrs
Steam Flow	130.30	0.00	0.00	222.65	klbs
Gas Flow	178.67	0.00	5.75	262.45	kscf
Natural Gas Cost	$1,097.19	$0.00	$35.31	$1,611.66	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,097.19	$0.00	$35.31	$1,611.66	$
Average Steam Cost	$8.42	---	---	$7.24	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	71.4			83.1	%

Central State Hospital

Heating Plant Day Operations Report

1/5/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.15	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.15	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	0.0	1.1	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.39	$0.00	$0.00	$1,623.76	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.39	$0.00	$0.00	$1,623.76	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/6/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.12	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.12	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.2	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.71	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.39	$0.00	$0.00	$1,623.74	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.39	$0.00	$0.00	$1,623.74	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/7/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.77	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.10	kscf
Total Plant Gas Cost	$2,733.25	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.25	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.3	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.73	klbs
Gas Flow	180.66	0.00	0.00	264.44	kscf
Natural Gas Cost	$1,109.42	$0.00	$0.00	$1,623.84	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.42	$0.00	$0.00	$1,623.84	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/8/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.93	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.93	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2.2	0.0	1.0	23.4	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.40	kscf
Natural Gas Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/9/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.72	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.91	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.91	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.1	0.0	1.1	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.64	0.00	0.00	264.40	kscf
Natural Gas Cost	$1,109.29	$0.00	$0.00	$1,623.62	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.29	$0.00	$0.00	$1,623.62	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/10/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.88	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.24	kscf
Total Plant Gas Cost	$2,734.10	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,734.10	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	1.3	23.5	hrs
Steam Flow	130.08	0.00	0.00	232.80	klbs
Gas Flow	180.72	0.00	0.00	264.52	kscf
Natural Gas Cost	$1,109.78	$0.00	$0.00	$1,624.33	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.78	$0.00	$0.00	$1,624.33	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/11/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.77	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.11	kscf
Total Plant Gas Cost	$2,733.28	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.28	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	1.2	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.73	klbs
Gas Flow	180.67	0.00	0.00	264.44	kscf
Natural Gas Cost	$1,109.44	$0.00	$0.00	$1,623.84	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.44	$0.00	$0.00	$1,623.84	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/12/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.12	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.12	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	1.3	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.71	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.38	$0.00	$0.00	$1,623.74	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.38	$0.00	$0.00	$1,623.74	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/13/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.74	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.06	kscf
Total Plant Gas Cost	$2,733.02	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.02	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.4	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.71	klbs
Gas Flow	180.65	0.00	0.00	264.41	kscf
Natural Gas Cost	$1,109.34	$0.00	$0.00	$1,623.68	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.34	$0.00	$0.00	$1,623.68	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/14/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.76	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.09	kscf
Total Plant Gas Cost	$2,733.20	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.20	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.3	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.66	0.00	0.00	264.43	kscf
Natural Gas Cost	$1,109.41	$0.00	$0.00	$1,623.79	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.41	$0.00	$0.00	$1,623.79	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/15/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.97	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.97	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.1	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.41	kscf
Natural Gas Cost	$1,109.32	$0.00	$0.00	$1,623.65	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.32	$0.00	$0.00	$1,623.65	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/16/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.93	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.93	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.3	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.40	kscf
Natural Gas Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/17/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.76	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.10	kscf
Total Plant Gas Cost	$2,733.22	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.22	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.1	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.67	0.00	0.00	264.43	kscf
Natural Gas Cost	$1,109.42	$0.00	$0.00	$1,623.80	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.42	$0.00	$0.00	$1,623.80	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/18/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.71	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.03	kscf
Total Plant Gas Cost	$2,732.79	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.79	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.1	23.5	hrs
Steam Flow	130.02	0.00	0.00	232.69	klbs
Gas Flow	180.64	0.00	0.00	264.39	kscf
Natural Gas Cost	$1,109.24	$0.00	$0.00	$1,623.54	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.24	$0.00	$0.00	$1,623.54	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/19/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.15	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.15	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.1	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.39	$0.00	$0.00	$1,623.76	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.39	$0.00	$0.00	$1,623.76	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/20/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.14	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.14	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%
Condensate Transfer Pump #1 Run Time	0.0	hrs
Condensate Transfer Pump #2 Run Time	0.0	hrs
Condensate Transfer Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #1 Run Time	0.0	hrs
Boiler Feed Pump #2 Run Time	0.0	hrs
Boiler Feed Pump #3 Run Time	0.0	hrs
Boiler Feed Pump #4 Run Time	0.0	hrs
Fuel Oil Pump #1 Run Time	0.0	hrs
Fuel Oil Pump #2 Run Time	0.0	hrs

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.1	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.39	$0.00	$0.00	$1,623.75	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.39	$0.00	$0.00	$1,623.75	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/21/2019
7.00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.76	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.09	kscf
Total Plant Gas Cost	$2,733.21	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.21	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	1.6	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.72	klbs
Gas Flow	180.66	0.00	0.00	264.43	kscf
Natural Gas Cost	$1,109.42	$0.00	$0.00	$1,623.80	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.42	$0.00	$0.00	$1,623.80	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/22/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.07	kscf
Total Plant Gas Cost	$2,733.09	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.09	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	1.4	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.71	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.36	$0.00	$0.00	$1,623.72	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.36	$0.00	$0.00	$1,623.72	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/23/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.78	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.09	kscf
Total Plant Gas Cost	$2,733.18	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.18	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.2	23.5	hrs
Steam Flow	130.05	0.00	0.00	232.73	klbs
Gas Flow	180.65	0.00	0.00	264.44	kscf
Natural Gas Cost	$1,109.33	$0.00	$0.00	$1,623.86	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.33	$0.00	$0.00	$1,623.86	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/24/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.78	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.06	kscf
Total Plant Gas Cost	$2,733.01	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.01	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.1	23.5	hrs
Steam Flow	130.05	0.00	0.00	232.73	klbs
Gas Flow	180.65	0.00	0.00	264.41	kscf
Natural Gas Cost	$1,109.33	$0.00	$0.00	$1,623.68	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.33	$0.00	$0.00	$1,623.68	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/25/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.06	kscf
Total Plant Gas Cost	$2,732.99	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.99	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.2	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.41	kscf
Natural Gas Cost	$1,109.33	$0.00	$0.00	$1,623.67	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.33	$0.00	$0.00	$1,623.67	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/26/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	—	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.11	kscf
Total Plant Gas Cost	$2,733.29	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.29	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.3	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.67	0.00	0.00	264.44	kscf
Natural Gas Cost	$1,109.45	$0.00	$0.00	$1,623.84	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.45	$0.00	$0.00	$1,623.84	$
Average Steam Cost	$8.53	---	—	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/27/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.74	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.11	kscf
Total Plant Gas Cost	$2,733.34	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.34	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.2	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.71	klbs
Gas Flow	180.67	0.00	0.00	264.44	kscf
Natural Gas Cost	$1,109.47	$0.00	$0.00	$1,623.87	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.47	$0.00	$0.00	$1,623.87	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/28/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.49	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	444.77	kscf
Total Plant Gas Cost	$2,731.19	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,731.19	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.2	23.5	hrs
Steam Flow	129.94	0.00	0.00	232.55	klbs
Gas Flow	180.53	0.00	0.00	264.23	kscf
Natural Gas Cost	$1,108.60	$0.00	$0.00	$1,622.60	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,108.60	$0.00	$0.00	$1,622.60	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/29/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.75	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.08	kscf
Total Plant Gas Cost	$2,733.11	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,733.11	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.4	23.5	hrs
Steam Flow	130.04	0.00	0.00	232.71	klbs
Gas Flow	180.66	0.00	0.00	264.42	kscf
Natural Gas Cost	$1,109.37	$0.00	$0.00	$1,623.74	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.37	$0.00	$0.00	$1,623.74	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/30/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.93	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.93	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.3	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.40	kscf
Natural Gas Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.30	$0.00	$0.00	$1,623.63	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%

Central State Hospital

Heating Plant Day Operations Report

1/31/2019
7:00 AM
Daily Report

Description

	Plant	Units
Heating Degree Days	0.00	hdd
Total Plant Steam Flow	362.73	klbs
Steam Flow Per Heating Degree Day	---	klbs/hdd
Total Condensate Return Water Flow	0.0	klbs
Total Plant Gas Flow	445.05	kscf
Total Plant Gas Cost	$2,732.97	$
Total Plant Oil Flow	0.0	gals
Total Plant Oil Cost	$0.00	$
Total Plant Fuel Cost	$2,732.97	$
Fuel Cost Per Heating Degree Day	---	$/hdd
Plant Average Steam Cost Per Degree Day	---	$/klbs
Total Plant Efficiency By I/O	79.8	%

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

	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.0	1.5	23.5	hrs
Steam Flow	130.03	0.00	0.00	232.70	klbs
Gas Flow	180.65	0.00	0.00	264.41	kscf
Natural Gas Cost	$1,109.32	$0.00	$0.00	$1,623.65	$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	$0.00	$0.00	$0.00	$0.00	$
Total Fuel Cost	$1,109.32	$0.00	$0.00	$1,623.65	$
Average Steam Cost	$8.53	---	---	$6.98	$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O	70.5			86.2	%