Heating Plant Day Operations Report

12/1/2019 7:00 AM Daily Report

Description

Description							
		Plant					
Heating Degree Days		23	.10		hdd		
Total Plant Steam Flow		321	1.98		klbs		
Steam Flow Per Heating Degree Day		13	3.9		klbs/hd		
Total Condensate Return Water Flow		8,7					
Total Plant Gas Flow		414	1,71		kscf		
Total Plant Gas Cost		\$2,54	46.62		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	00		\$		
Total Plant Fuel Cost		\$2,54	46.62		\$		
Fuel Cost Per Heating Degree Day	·	\$11	0.23		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.34		\$/klbs		
Total Plant Efficiency By I/O	76.0						
Condensate Transfer Pump #1 Run Time			3.5		hrs		
Condensate Transfer Pump #2 Run Time			3.5		hrs		
Condensate Transfer Pump #3 Run Time	·		3.5		hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0,	_		hrs		
Fuel Oil Pump #2 Run Time		23	3.5		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.6	hrs		
Steam Flow	0.00	321.98	0.00	0.00	klbs		
Gas Flow	0.00	410.83	0.00	3.88	kscf		
Natural Gas Cost	\$0.00	\$2,522.78	\$0.00	\$23.84	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S S		
Total Fuel Cost	\$0.00	\$2,522.78	\$0.00	\$23.84	\$		
Average Steam Cost		\$7.84	\$0.00	Ψ20.04	\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	74.9	%		
Efficiency By I/O	0.0	76.8	0.0	14.3	%		
Mid-Atlantic Controls Corporation		ay Report	·		Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/2/2019 7:00 AM Daily Report

Description

		Pla	ant		Units	
Heating Degree Days		21.	.00		hdd	
Total Plant Steam Flow		317	7.01		klbs	
Steam Flow Per Heating Degree Day		15.1				
Total Condensate Return Water Flow		8	.8		klbs	
Total Plant Gas Flow		407	'.76		kscf	
Total Plant Gas Cost		\$2,50	03.96		\$	
Total Plant Oil Flow		0.	.0		gals	
Total Plant Oil Cost		\$0.	.00		\$	
Total Plant Fuel Cost		\$2,50	03.96		\$	
Fuel Cost Per Heating Degree Day		\$11	9.22		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	.38		\$/klbs	
Total Plant Efficiency By I/O		76.1				
Condensate Transfer Pump #1 Run Time		22			hrs	
Condensate Transfer Pump #2 Run Time		23				
Condensate Transfer Pump #3 Run Time		23			hrs	
Boiler Feed Pump #1 Run Time		23			hrs	
Boiler Feed Pump #2 Run Time		23			hrs	
Boiler Feed Pump #3 Run Time					hrs	
Boiler Feed Pump #4 Run Time					hrs	
Fuel Oil Pump #1 Run Time					hrs	
Fuel Oil Pump #2 Run Time				TT	hrs	
					1110	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.5	hrs	
Steam Flow	0.00	317.01	0.00	0.00	klbs	
Gas Flow	0.00	404.54	0.00	3.22	kscf	
Natural Gas Cost	\$0.00	\$2,484.17	\$0.00	\$19.79	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	23.5 h 0.0 h 23.5 h 23.5 h Boiler 1 Boiler 2 Boiler 3 Boiler 4 L 0.0 23.5 0.0 0.5 h 0.00 317.01 0.00 0.00 k 0.00 404.54 0.00 3.22 k \$0.00 \$2,484.17 \$0.00 \$19.79 \$ 0.0 0.0 0.0 \$0.0 \$0.0 \$ \$0.00 \$0.00 \$0.00 \$0.00 \$ \$0.00 \$2,484.17 \$0.00 \$19.79 \$ \$0.00 \$0.00 \$0.00 \$0.00 \$ \$0.00 \$19.79 \$				
Average Steam Cost		\$7.84	444		\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	74.7	%	
Efficiency By I/O		76.7			%	
Mid-Atlantic Controls Corporation		lay Report			Page 1 of 1	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/3/2019 7:00 AM Daily Report

Description

Description							
		Plant					
Heating Degree Days		22,29					
Total Plant Steam Flow	and the name of the	347	.33		klbs		
Steam Flow Per Heating Degree Day		15	6		klbs/hdc		
Total Condensate Return Water Flow	104 (0.4 (1.41) (1.51)	8.	5		klbs		
Total Plant Gas Flow		445	68		kscf		
Total Plant Gas Cost		\$2,73	36.80		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,73	36.80		\$		
Fuel Cost Per Heating Degree Day		\$12	2.80		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	35		\$/klbs		
Total Plant Efficiency By I/O		76	.3		%		
Condensate Transfer Pump #1 Run Time		23	5	<u> </u>	hrs		
Condensate Transfer Pump #2 Run Time	T	23			hrs		
Condensate Transfer Pump #3 Run Time		23			hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23			hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.6	hrs		
Steam Flow	0.00	347.33	0.00	0.00	klbs		
Gas Flow	0.00	441.38	0.00	4.30	kscf		
Natural Gas Cost	\$0.00	\$2,710.39	\$0.00	\$26.41	\$		
Oil Flow	0.0	0.0	0.0	0.0			
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals		
Total Fuel Cost	\$0.00	\$2,710.39	\$0.00	\$26.41	\$ \$		
Average Steam Cost	30.00	\$7.80	30.00	ΦΖΟ.41	\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	76.8	%		
Efficiency By I/O	0.0	77.1	0.0	10.0	%		
Mid-Atlantic Controls Corporation		av Report			Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/4/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days		24.15					
Total Plant Steam Flow		343	.69		klbs		
Steam Flow Per Heating Degree Day	U-0-0	14	.2		klbs/hde		
Total Condensate Return Water Flow		8.	8		klbs		
Total Plant Gas Flow		441	.83		kscf		
Total Plant Gas Cost		\$2,71	3.14		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,71	3.14		\$		
Fuel Cost Per Heating Degree Day		\$112	2.35		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	33		\$/klbs		
Total Plant Efficiency By I/O	76.2						
Condensate Transfer Pump #1 Run Time		23.5 23.5					
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		23	.5)	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.6	hrs		
Steam Flow	0.00	343.69	0.00	0.00	klbs		
Gas Flow	0.00	437.79	0.00	4.04	kscf		
Natural Gas Cost	\$0.00	\$2,688.35	\$0.00	\$24.79	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$0.00	\$2,688.35	\$0.00	\$24.79	\$		
Average Steam Cost		\$7.82		***	\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	75.1	%		
Efficiency By I/O		76.9			%		

Heating Plant Day Operations Report

12/5/2019 7:00 AM Daily Report

		Pla	int		Units		
Heating Degree Days		25.	00		hdd		
Total Plant Steam Flow		343	.20		klbs		
Steam Flow Per Heating Degree Day		13	.7		klbs/hdc		
Total Condensate Return Water Flow		8.	9		klbs		
Total Plant Gas Flow		428	.74		kscf		
Total Plant Gas Cost		\$2,63	2.79		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,63	32.79		\$		
Fuel Cost Per Heating Degree Day		\$10	5.30		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	31		\$/klbs		
Total Plant Efficiency By I/O	78.4						
Condensate Transfer Pump #1 Run Time		23.5 I					
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		23	.5	_	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.5	hrs		
Steam Flow	0.00	343.20	0.00	0.00	kibs		
Gas Flow	0.00	425.32	0.00	3.43	kscf		
Natural Gas Cost	\$0.00	\$2,611.76	\$0.00	\$21.04	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S		
Total Fuel Cost	\$0.00	\$2,611.76	\$0.00	\$21.04	\$		
Average Steam Cost		\$7.61			\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	78.5	%		
Efficiency By I/O		79.0			%		

Heating Plant Day Operations Report

12/6/2019 7:00 AM Daily Report

Description		Die	ınt		Units	
Heating Degree Days		24.			hdd	
Total Plant Steam Flow		354			klbs	
Steam Flow Per Heating Degree Day		14			klbs/hd	
Total Condensate Return Water Flow		8.			klbs	
Total Plant Gas Flow		440			kscf	
Total Plant Gas Cost		\$2.70			S S	
Total Plant Oil Flow		0.			gals	
Total Plant Oil Cost						
Total Plant Fuel Cost						
Fuel Cost Per Heating Degree Day					\$/hdd	
Plant Average Steam Cost Per Degree Day					\$/klbs	
Total Plant Efficiency By I/O						
Total Flam Emclency by I/O		\$112.78 \$0.32 78.7 23.5 23.5 23.5 23.5 23.5 23.5 23.5 23.5				
Condensate Transfer Pump #1 Run Time						
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	1 - 0 - 00 - 00 - 00 - 00 - 00 - 00 - 0	23	5		hrs	
	- Charles d	0.11.0	0 11 6		14.5 24	
Run Time					Units	
Steam Flow					hrs	
Gas Flow					klbs	
		\$0.00 \$2,706.36 \$112.78 \$0.32 78.7 23.5 78.7 23.5 2			kscf	
Natural Gas Cost					\$	
Oil Flow					gals	
Oil Cost					\$	
Total Fuel Cost	\$0.00	23.5				
Average Steam Cost		T. T			\$/klbs	
Efficiency By Losses	0.0		0.0	75.2	%	
Efficiency By I/O		79.5			%	

Heating Plant Day Operations Report

12/7/2019 7:00 AM Daily Report

		Pla	int		Units		
Heating Degree Days		24.	49		hdd		
Total Plant Steam Flow		343	.96		klbs		
Steam Flow Per Heating Degree Day		14.0					
Total Condensate Return Water Flow		8.	8		klbs		
Total Plant Gas Flow		426	.37		kscf		
Total Plant Gas Cost		\$2,61	8.24		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,61	8.24		\$		
Fuel Cost Per Heating Degree Day		\$106	5.91		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	31		\$/klbs		
Total Plant Efficiency By I/O		79	.0		%		
		79.0 23.5 23.5 23.5 23.5					
Condensate Transfer Pump #1 Run Time					hrs		
Condensate Transfer Pump #2 Run Time					hrs		
Condensate Transfer Pump #3 Run Time					hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			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		23	.5		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.1	0.5	hrs		
Steam Flow	0.00	343.96	0.00	0.00	klbs		
Gas Flow	0.00	422.97	0.00	3.40	kscf		
Natural Gas Cost	\$0.00	\$2,597.34	\$0.00	\$20.90	\$		
Dil 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	\$2.597.34	\$0.00	\$20.90	S		
Average Steam Cost		\$7.55			\$/klbs		
Efficiency By Losses	0.0	79.9	0.0	76.3	%		
Efficiency By I/O		79.6	V.V	, , , , ,	%		

Heating Plant Day Operations Report

12/8/2019 7:00 AM Daily Report

		Pla	int		Units
Heating Degree Days		29.	01		hdd
Total Plant Steam Flow	,	358	.48		klibs
Steam Flow Per Heating Degree Day	12.4				
Total Condensate Return Water Flow		8.	5		klbs
Total Plant Gas Flow		443	.60		kscf
Total Plant Gas Cost		\$2,72	4.03		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	01		\$
Total Plant Fuel Cost		\$2,72	4.04		\$
Fuel Cost Per Heating Degree Day		\$93	.89		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	26		\$/klbs
Total Plant Efficiency By I/O		79	.1		%
Condensate Transfer Pump #1 Run Time	1		5	0.8 0.11 5.50 0 \$33.80 0.0 0 \$0.01	
		23			hrs hrs
·		23			hrs
		23			hrs
		23			hrs
		23			hrs
		23			hrs
		0.			hrs
		23			hrs
TOOLONE WILD WE WANT THE		23	.5		inis
tal Plant Gas Flow tal Plant Gas Cost tal Plant Oil Flow tal Plant Oil Cost tal Plant Fuel Cost el Cost Per Heating Degree Day ant Average Steam Cost Per Degree Day tal Plant Efficiency By I/O Indensate Transfer Pump #1 Run Time Indensate Transfer Pump #3 Run Time Indensate Transfer Pump #3 Run Time Indensate Transfer Pump #3 Run Time Iller Feed Pump #1 Run Time Iller Feed Pump #3 Run Time Iller Feed Pump #4 Run Time Iller Feed Pump #1 Run Time Iller Feed Oil Pump #2 Run Time Iller Feed Oil Pump #3 Run Time In T	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23,5	0.0	0.8	hrs
Steam Flow	0.00	358,37	0.00	0.11	klbs
Gas Flow	0.00	438.09	0.00	5.50	kscf
Natural Gas Cost	\$0.00	\$2,690.23	\$0.00	\$33.80	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0,00	\$0.00	\$0.00	\$0.01	\$
Total Fuel Cost	\$0.00	\$2,690.23	\$0.00	\$33.81	\$
Average Steam Cost		\$7.51	_	\$318.05	\$/klbs
Efficiency By Losses	0.0	79.8	0.0	72.5	%
Efficiency By I/O		80.1		1.9	%

Heating Plant Day Operations Report

12/9/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days		29.	01		hdd		
Total Plant Steam Flow		333	.05		klbs		
Steam Flow Per Heating Degree Day	11.5						
Total Condensate Return Water Flow		8.	9		klbs		
Total Plant Gas Flow		412	.51		kscf		
Total Plant Gas Cost		\$2,53	3.09		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,53	3.09		\$		
Fuel Cost Per Heating Degree Day		\$87	.31		\$/hdd		
Plant Average Steam Cost Per Degree Day	****	\$0.	26		\$/klbs		
Total Plant Efficiency By I/O	***	79	.1		%		
Condensate Transfer Pump #1 Run Time		79.1					
Condensate Transfer Pump #7 Run Time Condensate Transfer Pump #2 Run Time		23			hrs		
Condensate Transfer Pump #2 Run Time					hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23	.5	1	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.4	hrs		
Steam Flow	0.00	333.05	0.00	0.00	klbs		
Gas Flow	0.00	409.99	0.00	2.51	kscf		
Natural Gas Cost	\$0.00	\$2,517.66	\$0.00	\$15.44	\$		
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	\$2,517.66	\$0.00	\$15.44	\$		
Average Steam Cost	•••	\$7.56	•••	_	\$/klbs		
Efficiency By Losses	0.0	79.9	0.0	79.0	%		
Efficiency By I/O		79.6			%		

Heating Plant Day Operations Report

12/10/2019 7:00 AM Daily Report

Description

Description							
		Plant					
Heating Degree Days		14	.89		hdd		
Total Plant Steam Flow	321.23						
Steam Flow Per Heating Degree Day		21	1.6		klbs/hde		
Total Condensate Return Water Flow		8	.7		klbs		
Total Plant Gas Flow		399	9.13		kscf		
Total Plant Gas Cost		\$2,4	50.97		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$2,4	50.97		\$		
Fuel Cost Per Heating Degree Day		\$16	4.55		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.51		\$/klbs		
Total Plant Efficiency By I/O	78.8						
Condensate Transfer Pump #1 Run Time		22	3.5		hrs		
Condensate Transfer Pump #2 Run Time	~~~		3.5		hrs		
Condensate Transfer Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #1 Run Time			3.5		hrs		
Boiler Feed Pump #2 Run Time			3.5		hrs		
Boiler Feed Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #4 Run Time			J.5		hrs		
Fuel Oil Pump #1 Run Time		0			hrs		
Fuel Oil Pump #2 Run Time			 1.5				
ruei Oii Fuinp #2 Ruii Time			1.5		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.4	hrs		
Steam Flow	0.00	321.23	0.00	0.00	klbs		
Gas Flow	0.00	396.75	0.00	2.38	kscf		
Natural Gas Cost	\$0.00	\$2,436.37	\$0.00	\$14.59	\$		
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	\$2,436.37	\$0.00	\$14.59	\$		
Average Steam Cost	600	\$7.58	***		\$/klbs		
Efficiency By Losses	0.0	80.1	0.0	70.7	%		
Efficiency By I/O		79.3			%		
Mid-Atlantic Controls Corporation		ay Report			Page 1 of		

Day Report

Heating Plant Day Operations Report

12/11/2019 7:00 AM Daily Report

		Pla	int		Units	
Heating Degree Days		8.60				
Total Plant Steam Flow		314.09				
Steam Flow Per Heating Degree Day		36.5				
Total Condensate Return Water Flow		9.	1		klbs	
Total Plant Gas Flow		389	.60		kscf	
Total Plant Gas Cost		\$2,39	32.41		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost	+ 1 + + + + + + - + + + + + + + + + +	\$0.	02		\$	
Total Plant Fuel Cost		\$2,39	2.43		\$	
Fuel Cost Per Heating Degree Day		\$278	3.33		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	89		\$/klbs	
Total Plant Efficiency By I/O	79.0					
	23.5					
Condensate Transfer Pump #1 Run Time					hrs	
Condensate Transfer Pump #2 Run Time		23			hrs	
Condensate Transfer Pump #3 Run Time		23			hrs	
Boiler Feed Pump #1 Run Time		23			hrs	
Boiler Feed Pump #2 Run Time		23			hrs	
Boiler Feed Pump #3 Run Time		23			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		23	.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.6	hrs	
Steam Flow	0.00	314.09	0.00	0.00	klbs	
Gas Flow	0.00	385.85	0.00	3.75	kscf	
Natural Gas Cost	\$0.00	\$2,369.39	\$0.00	\$23.01	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.02	\$	
Total Fuel Cost	\$0.00	\$2,369.39	\$0.00	\$23.03	\$	
Average Steam Cost		\$7.54		***	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	74.2	%	
Efficiency By I/O		79.7			%	

Heating Plant Day Operations Report

12/12/2019 7:00 AM Daily Report

Description						
<u> </u>		Pla	ınt		Units	
Heating Degree Days		28.	43		hdd	
Total Plant Steam Flow	379.31					
Steam Flow Per Heating Degree Day		13	.3		klbs/hdd	
Total Condensate Return Water Flow		8.	1		klbs	
Total Plant Gas Flow		480	.36		kscf	
Total Plant Gas Cost		\$2,94	19.76		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	16		\$	
Total Plant Fuel Cost		\$2,94	19.91		\$	
Fuel Cost Per Heating Degree Day		\$10	3.75		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	27		\$/klbs	
Total Plant Efficiency By I/O		77	.3	-5-39	%	
Condensate Transfer Pump #1 Run Time		13.3 8.1 480.36 \$2,949.76 0.0 \$0.16 \$2,949.91 \$103.75 \$0.27 77.3 23.5 23.5 23.5 23.5 23.5 23.5 23.5 2				
Condensate Transfer Pump #2 Run Time					hrs	
Condensate Transfer Pump #3 Run Time			-		hrs	
Boiler Feed Pump #1 Run Time					hrs	
Boiler Feed Pump #2 Run Time		23	.5		hrs	
Boiler Feed Pump #3 Run Time					hrs	
Boiler Feed Pump #4 Run Time					hrs	
Fuel Oil Pump #1 Run Time					hrs	
Fuel Oil Pump #2 Run Time		THE RESERVE THE PERSON NAMED IN COLUMN 2 I			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time					hrs	
Steam Flow	0.00	379.24			klbs	
Gas Flow					kscf	
Natural Gas Cost	\$0.00	\$2.917.58	\$0.00		S	
Oil Flow			The state of the s		gals	
Oil Cost		*			\$	
Total Fuel Cost	\$0.00	\$2,917.58	\$0.00	\$32.33	S	
Average Steam Cost		\$7.69	***	\$466.73	\$/klbs	
Efficiency By Losses	0.0	79.7	0.0	77.6	%	
Efficiency By I/O		78.2	0.0	1.3	%	

Heating Plant Day Operations Report

12/13/2019 7:00 AM Daily Report

		Pla	int		Units		
Heating Degree Days		32.	29		hdd		
Total Plant Steam Flow		391	.97		klbs		
Steam Flow Per Heating Degree Day		12	.1		klbs/hd		
Total Condensate Return Water Flow		7.	6		klbs		
Total Plant Gas Flow		506	.43		kscf		
Total Plant Gas Cost		\$3,10	9.83		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$3,10	9.83		\$		
Fuel Cost Per Heating Degree Day	N	\$96	.31		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	25		\$/klbs		
Total Plant Efficiency By I/O		75.8					
Condensate Transfer Pump #1 Run Time		75.8 23.5					
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			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23		(hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.7	hrs		
Steam Flow	0.00	391.79	0.00	0.18	klbs		
Gas Flow	0.00	501.40	0.00	5.02	kscf		
Natural Gas Cost	\$0.00	\$3,078.98	\$0.00	\$30.86	\$		
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	\$3,078.98	\$0.00	\$30.86	\$		
Average Steam Cost		\$7.86		\$167.54	\$/klbs		
Efficiency By Losses	0.0	79.7	0.0	77.2	%		
Efficiency By I/O		76.5		3.6	%		

Heating Plant Day Operations Report

12/14/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		30.	22		hdd	
Total Plant Steam Flow		391	.31		klbs	
Steam Flow Per Heating Degree Day		12	.9		klbs/hd	
Total Condensate Return Water Flow		6.	9		klbs	
Total Plant Gas Flow		493	.43		kscf	
Total Plant Gas Cost		\$3,03	30.03		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	14	10.7	\$	
Total Plant Fuel Cost		\$3,03	30.18		\$	
Fuel Cost Per Heating Degree Day		\$100			\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.			\$/klbs	
Total Plant Efficiency By I/O		77			%	
Condensate Transfer Pump #1 Run Time		23	.5		hrs	
Condensate Transfer Pump #2 Run Time		23	· · · · · · · · · · · · · · · · · · ·		hrs	
Condensate Transfer Pump #3 Run Time		23			hrs	
Boiler Feed Pump #1 Run Time		23			hrs	
Boiler Feed Pump #2 Run Time		23			hrs	
Boiler Feed Pump #3 Run Time		23			hrs	
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Ruл Time		0.			hrs	
Fuel Oil Pump #2 Run Time	PPPPP	23			hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	21.1	0.0	2.9	hrs	
Steam Flow	0.00	347.32	0.00	43.99	klbs	
Gas Flow	0.00	434.40	0.00	59.03	kscf	
Natural Gas Cost	\$0.00	\$2.667.57	\$0.00	\$362.46	S	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.14	\$	
Fotal Fuel Cost	\$0.00	\$2,667.57	\$0.00	\$362.61	s	
Average Steam Cost		\$7.68		\$8.24	\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	75.5	%	
Efficiency By I/O		78.3		73.0	%	

Heating Plant Day Operations Report

12/15/2019 7:00 AM Daily Report

Description

Description		 -			Units		
		Plant					
Heating Degree Days		19.			hdd		
Total Plant Steam Flow		368	.40		klbs		
Steam Flow Per Heating Degree Day		19			klbs/hdc		
Total Condensate Return Water Flow		7.	6		klbs		
Total Plant Gas Flow		458	.04		kscf		
Total Plant Gas Cost		\$2,81	2.71		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,81	2,71		\$		
Fuel Cost Per Heating Degree Day		\$147	7.97		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	40		\$/klbs		
Total Plant Efficiency By I/O		78	.8		%		
Condensate Transfer Pump #1 Run Time	<u></u>	23	.5		hrs		
Condensate Transfer Pump #2 Run Time		23			hrs		
Condensate Transfer Pump #3 Run Time		23			hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23			hrs		
	Boiler 1	Boiler 2	D-11		18.6 - 74 -		
Run Time	0.0	23.5	Boiler 3	Boiler 4	Units		
Steam Flow	11-14-14- A-14-14-14-14-14-14-14-14-14-14-14-14-14-		0.0	0.5	hrs		
Gas Flow	0.00	368.40	0.00	0.00	klbs		
Natural Gas Cost	0.00	454.99	0.00	3.05	kscf		
Oil Flow	\$0.00	\$2,793.96	\$0.00	\$18.74	\$		
Oil Cost	0.0	0,0	0.0	0.0	gals		
<u> </u>	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$0.00	\$2,793.96	\$0.00	\$18.74	\$		
Average Steam Cost		\$7.58			\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	73.2	%		
Efficiency By I/O		79.3			% Dona 1 =54		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/16/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		19	.21		hdd	
Total Plant Steam Flow		359).79		klbs	
Steam Flow Per Heating Degree Day		18	3.7		klbs/hd	
Total Condensate Return Water Flow		7.	3		klbs	
Total Plant Gas Flow		447	'.18		kscf	
Total Plant Gas Cost		\$2,74	16.02		\$	
Total Plant Oil Flow		0.	.0		gals	
Total Plant Oil Cost		\$0.	.00		\$	
Total Plant Fuel Cost		\$2,74	16.02		\$	
Fuel Cost Per Heating Degree Day		\$14	2.96		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	40		\$/klbs	
Total Plant Efficiency By I/O		78	3.8		%	
Condensate Transfer Pump #1 Run Time		23	5		hrs	
Condensate Transfer Pump #2 Run Time		23				
Condensate Transfer Pump #3 Run Time		23			hrs	
Boiler Feed Pump #1 Run Time		23			hrs	
Boiler Feed Pump #2 Run Time		23			hrs	
Boiler Feed Pump #3 Run Time	777-307 M-77-37-37-31-1-1-1-3-33-33-33-33-3-3-4-4-4-v-slat-v-slat-33-dalahahikidan	23			hrs	
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Run Time			· -		hrs hrs	
Fuel Oil Pump #2 Run Time	23.5					
ruei Oii Futtip #2 KBit Time			0.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.5	hrs	
Steam Flow	0.00	359.79	0.00	0.00	klbs	
Gas Flow	0.00	443,65	0.00	3.52	kscf	
Natural Gas Cost	\$0.00	\$2,724.37	\$0.00	\$21.64	\$	
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	\$2,724.37	\$0.00	\$21.64	S	
Average Steam Cost	****	\$7.57			\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	73.8	%	
Efficiency By I/O		79.4			%	

Heating Plant Day Operations Report

12/17/2019 7:00 AM Daily Report

		Pla	int		Units
Heating Degree Days		17.	37		hdd
Total Plant Steam Flow		356	.03		klbs
Steam Flow Per Heating Degree Day		20	.5		klbs/hd
Total Condensate Return Water Flow		7.	6		klbs
Total Plant Gas Flow		442	.90		kscf
Total Plant Gas Cost		\$2,71	9.72		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	10		\$
Total Plant Fuel Cost		\$2,71	9.82		\$
Fuel Cost Per Heating Degree Day		\$156	6.54		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	44		\$/klbs
Total Plant Efficiency By I/O		78	.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			hrs
Fuel Oil Pump #1 Run Time		0.	0		hrs
Fuel Oil Pump #2 Run Time		23	.5		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.4	hrs
Steam Flow	0.00	356.03	0.00	0.00	klbs
Gas Flow	0.00	440.18	0.00	2.71	kscf
Natural Gas Cost	\$0.00	\$2,703.05	\$0.00	\$16.67	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.10	\$
Total Fuel Cost	\$0.00	\$2,703.05	\$0.00	\$16.76	S
Average Steam Cost	_	\$7.59			\$/klbs
Efficiency By Losses	0.0	80.0	0.0	81.1	%
Efficiency By I/O		79.2			%

Heating Plant Day Operations Report

12/18/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		15.	19		hdd
Total Plant Steam Flow	······	348	.23		klbs
Steam Flow Per Heating Degree Day		22	.9		klbs/hd
Total Condensate Return Water Flow		8.	1		klbs
Total Plant Gas Flow		435	.14		kscf
Total Plant Gas Cost		\$2,67	2.10		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	17		\$
Total Plant Fuel Cost		\$2,67	2.27		\$
Fuel Cost Per Heating Degree Day		\$178	5.93		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	51		\$/klbs
Total Plant Efficiency By I/O		78	.4		%
Condensate Transfer Pump #1 Run Time	1		5	<u> </u>	hrs
Condensate Transfer Pump #2 Run Time		23			hrs
Condensate Transfer Pump #3 Run Time		23			hrs
Boiler Feed Pump #1 Run Time		23			hrs
Boiler Feed Pump #2 Run Time		23			hrs
Boiler Feed Pump #3 Run Time		23			hrs
Boiler Feed Pump #4 Run Time		23			hrs
Fuel Oil Pump #1 Run Time		0.			hrs
Fuel Oil Pump #2 Run Time		23			hrs
ruer on Fump #2 Num Time		23	.9		nrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.6	hrs
Steam Flow	0.00	348.23	0.00	0.00	klbs
Gas Flow	0.00	431.05	0.00	4.09	kscf
Natural Gas Cost	\$0.00	\$2,647.00	\$0.00	\$25.10	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.17	\$
Total Fuel Cost	\$0.00	\$2,647.00	\$0.00	\$25.27	\$
Average Steam Cost	***	\$7.60		•••	\$/klbs
Efficiency By Losses	0.0	79.9	0.0	77.2	%
Efficiency By I/O		79.1			%

Heating Plant Day Operations Report

12/19/2019 7:00 AM Daily Report

Description

Description							
		Plant					
Heating Degree Days		28	.67		hdd		
Total Plant Steam Flow		369).96	Um	klbs		
Steam Flow Per Heating Degree Day		12	2.9		klbs/hdc		
Total Condensate Return Water Flow		8	.0		klbs		
Total Plant Gas Flow		457	7.33		kscf		
Total Plant Gas Cost		\$2,80	08.37		\$		
Total Plant Oil Flow		0.	.0		gals		
Total Plant Oil Cost		\$0.	.00		\$		
Total Plant Fuel Cost		\$2,80	08.37		\$		
Fuel Cost Per Heating Degree Day		\$97	. 95		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	.26		\$/klbs		
Total Plant Efficiency By I/O	35 - 73	\$0.26 79.2					
Condensate Transfer Pump #1 Run Time		23	15		hrs		
Condensate Transfer Pump #2 Run Time		23			hrs		
Condensate Transfer Pump #3 Run Time		23			hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23			hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.8	hrs		
Steam Flow	0.00	369.55	0.00	0.41	klbs		
Gas Flow	0.00	452.08	0.00	5.25	kscf		
Natural Gas Cost	\$0.00	\$2,776.12	\$0.00	\$32.26	\$		
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	\$2,776.12	\$0.00	\$32.26	\$		
Average Steam Cost		\$7.51	***	\$78.63	\$/klbs		
Efficiency By Losses	0.0	79.8	0.0	71.4	%		
Efficiency By I/O		80.1		7.6	%		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/20/2019 7:00 AM Daily Report

Description							
			ant		Units		
Heating Degree Days		35.	.49		hdd		
Total Plant Steam Flow		381	.84		klbs		
Steam Flow Per Heating Degree Day		10			klbs/hd		
Total Condensate Return Water Flow		8.	.0		klbs		
Total Plant Gas Flow		468	3.40		kscf		
Total Plant Gas Cost		\$2,87	76.33		\$		
Total Plant Oil Flow		0.	.0		gals		
Total Plant Oil Cost		\$0.	.00		\$		
Total Plant Fuel Cost		\$2,87	76.33		\$		
Fuel Cost Per Heating Degree Day		\$81	.04		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	21		\$/klbs		
Total Plant Efficiency By I/O		\$0.21 79.8					
Condensate Transfer Pump #1 Run Time		23	3.5		hrs		
Condensate Transfer Pump #2 Run Time		23			hrs		
Condensate Transfer Pump #3 Run Time		23			hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0.			hrs		
Fuel Oil Pump #2 Run Time		23	3.5		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	1.1	hrs		
Steam Flow	0.00	380.36	0.00	1.48	klbs		
Gas Flow	0.00	461.02	0.00	7.38	kscf		
Natural Gas Cost	\$0.00	\$2.831.01	\$0.00	\$45.32	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$0.00	\$2.831.01	\$0.00	\$45.32	\$		
Average Steam Cost	_	\$7.44		\$30.69	\$/klbs		
Efficiency By Losses	0.0	79.8	0.0	78.5	%		
Efficiency By I/O		80.8	5.0	19.6	%		

Heating Plant Day Operations Report

12/21/2019 7:00 AM Daily Report

Description

Description							
		Pla	int		Units		
Heating Degree Days		32	85	1	hdd		
Total Plant Steam Flow		375	.63		kibs		
Steam Flow Per Heating Degree Day		11	.4		klbs/hdd		
Total Condensate Return Water Flow		6	8		klbs		
Total Plant Gas Flow		462	.32		kscf		
Total Plant Gas Cost		\$2,83	88.96		\$		
Total Plant Oil Flow		0	0		gals		
Total Plant Oil Cost		\$0	00		\$		
Total Plant Fuel Cost		\$2,83	88.96		\$		
Fuel Cost Per Heating Degree Day		\$86	.42		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	23		\$/klbs		
Total Plant Efficiency By I/O		79	.6		%		
Condensate Transfer Pump #1 Run Time	<u> </u>	79.6 23.5 23.5					
Condensate Transfer Pump #2 Run Time					hrs hrs		
Condensate Transfer Pump #3 Run Time		23			hrs		
Boiler Feed Pump #1 Run Time		23			hrs		
Boiler Feed Pump #2 Run Time		23			hrs		
Boiler Feed Pump #3 Run Time		23			hrs		
Boiler Feed Pump #4 Run Time		23			hrs		
Fuel Oil Pump #1 Run Time		0			hrs		
Fuet Oil Pump #2 Run Time		23			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	375.40	0.00	0.22	klbs		
Gas Flow	0.00	460.01	0.00	2.30	kscf		
Natural Gas Cost	\$0.00	\$2,824.82	\$0.00	\$14.14	S		
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	\$2,824.82	\$0.00	\$14.14	\$		
Average Steam Cost		\$7.52	ψ0.00	\$63.73	\$/klbs		
Efficiency By Losses	0.0	79.9	0.0	72.0	%		
Efficiency By I/O	5.0	79.9	0.0	9.4	%		
Mid-Atlantic Controls Corporation		av Report		9.7	Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/22/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		29.	37	 -	hdd	
Total Plant Steam Flow		367	.73		klbs	
Steam Flow Per Heating Degree Day		12	.5		klbs/hd	
Total Condensate Return Water Flow		7.	0		klbs	
Total Plant Gas Flow		461	.57		kscf	
Total Plant Gas Cost		\$2,83	34.40		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,83	34.40		\$	
Fuel Cost Per Heating Degree Day		\$96	.50		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	26		\$/klbs	
Total Plant Efficiency By I/O		78.0				
Condensate Transfer Pump #1 Run Time		23	.5		hrs	
Condensate Transfer Pump #2 Run Time		23	.5		hrs	
Condensate Transfer Pump #3 Run Time		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		23	.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.5	hrs	
Steam Flow	0.00	367.73	0.00	0.00	klbs	
Gas Flow	0.00	458.45	0.00	3.12	kscf	
Natural Gas Cost	\$0.00	\$2,815.23	\$0.00	\$19.17	S	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S	
Total Fuel Cost	\$0.00	\$2.815.23	\$0.00	\$19.17	\$	
Average Steam Cost		\$7.66		410.11	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	79.7	%	
Efficiency By I/O		78.6		70.1	%	

Heating Plant Day Operations Report

12/23/2019 7:00 AM Daily Report

		Pla	int		Units		
Heating Degree Days		28.	61		hdd		
Total Plant Steam Flow		361	.26		klbs		
Steam Flow Per Heating Degree Day		12	.6		klbs/hdd		
Total Condensate Return Water Flow		7.	6		klbs		
Total Plant Gas Flow		445	.27	*************************************	kscf		
Total Plant Gas Cost		\$2,73	34.27		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost	TI	\$0.	00		\$		
Total Plant Fuel Cost		\$2,73	34.27		\$		
Fuel Cost Per Heating Degree Day		\$95	.56		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	26		\$/klbs		
Total Plant Efficiency By I/O		79	.5		%		
Condensate Transfer Pump #1 Run Time		23.5					
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		23			hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.4	hrs		
Steam Flow	0.00	361.26	0.00	0.00	klbs		
Gas Flow	0.00	442.89	0.00	2.38	kscf		
Natural Gas Cost	\$0.00	\$2,719.68	\$0.00	\$14.59	\$		
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	\$2,719.68	\$0.00	\$14.59	S		
Average Steam Cost		\$7.53			\$/klbs		
Efficiency By Losses	0.0	80.1	0.0	74.7	%		
Efficiency By I/O		79.9			%		

Heating Plant Day Operations Report

12/24/2019 7:00 AM Daily Report

		Pla	ınt		Units
Heating Degree Days		20.	76		hdd
Total Plant Steam Flow		372	.14		klbs
Steam Flow Per Heating Degree Day		17	.9		klbs/hd
Total Condensate Return Water Flow		6.	9		klbs
Total Plant Gas Flow		455	.16		kscf
Total Plant Gas Cost		\$2,79	5.01		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	00		\$
Total Plant Fuel Cost		\$2,79	5.01		\$
Fuel Cost Per Heating Degree Day		\$134	1.66		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	36		\$/klbs
Total Plant Efficiency By I/O		80	.1		%
Condensate Transfer Pump #1 Run Time		23	.5		hrs
Condensate Transfer Pump #2 Run Time		23			hrs
Condensate Transfer Pump #3 Run Time		23			hrs
Boiler Feed Pump #1 Run Time		23			hrs
Boiler Feed Pump #2 Run Time		23			hrs
Boiler Feed Pump #3 Run Time		23			hrs
Boiler Feed Pump #4 Run Time		23			hrs
Fuel Oil Pump #1 Run Time		0.			hrs
Fuel Oil Pump #2 Run Time		23			hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.5	hrs
Steam Flow	0.00	372.14	0.00	0.00	klbs
Gas Flow	0.00	452.09	0.00	3.07	kscf
Natural Gas Cost	\$0.00	\$2,776.18	\$0.00	\$18.83	S
Dil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
fotal Fuel Cost	\$0.00	\$2,776.18	\$0.00	\$18.83	\$
Average Steam Cost		\$7.46			\$/klbs
Efficiency By Losses	0.0	80.1	0.0	77.6	%
Efficiency By I/O		80.6			%

Heating Plant Day Operations Report

12/25/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	21.05				hđđ	
Total Plant Steam Flow		354	.61		klbs	
Steam Flow Per Heating Degree Day		16	.8		klbs/hde	
Total Condensate Return Water Flow		7.	6		klbs	
Total Plant Gas Flow		435	.23		kscf	
Total Plant Gas Cost		\$2,67	2.63		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,67	2.63		\$	
Fuel Cost Per Heating Degree Day		\$120	5.96		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	36		\$/klbs	
Total Plant Efficiency By I/O		79	.8		%	
Condensate Transfer Pump #1 Run Time		23	5		hrs	
Condensate Transfer Pump #2 Run Time		23			hrs	
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	23.5					
Boiler Feed Pump #3 Run Time	23.5					
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Run Time		0.			hrs	
Fuel Oil Pump #2 Run Time	23.5					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.5	hrs	
Steam Flow	0.00	354.61	0.00	0.00	klbs	
Gas Flow	0.00	431.93	0.00	3.30	kscf	
Natural Gas Cost	\$0.00	\$2,652.38	\$0.00	\$20.25	S	
Oil Flow	0.0 0.0 0.0 0.0					
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals \$	
Total Fuel Cost	\$0.00	\$2,652.38	\$0.00	\$20.25	s	
Average Steam Cost	_	\$7.48			\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	78.9	%	
Efficiency By I/O	80.4					

Heating Plant Day Operations Report

12/26/2019 7:00 AM Daily Report

Description

	Plant						
Heating Degree Days		24.	19		hdd		
Total Plant Steam Flow		359	.88		klbs		
Steam Flow Per Heating Degree Day		14	.9		klbs/hde		
Total Condensate Return Water Flow		7.	8		klbs		
Total Plant Gas Flow		440	.10		kscf		
Total Plant Gas Cost		\$2,70	2.55		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,70)2.55		\$		
Fuel Cost Per Heating Degree Day		\$11	1.74		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	31		\$/klbs		
Total Plant Efficiency By I/O	80.1						
Condensate Transfer Pump #1 Run Time		23	.5		hrs		
Condensate Transfer Pump #2 Run Time	23.5						
Condensate Transfer Pump #3 Run Time	23.5						
Boiler Feed Pump #1 Run Time	23.5						
Boiler Feed Pump #2 Run Time	23.5						
Boiler Feed Pump #3 Run Time	23.5						
Boiler Feed Pump #4 Run Time		23	.5		hrs		
Fuel Oil Pump #1 Run Time		0.	0		hrs		
Fuel Oil Pump #2 Run Time	23.5						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23.5	0.0	0.4	hrs		
Steam Flow	0.00	359.88	0.00	0.00	klbs		
Gas Flow	0.00	437.43	0.00	2.67	kscf		
Natural Gas Cost	\$0.00	\$2,686.13	\$0.00	\$16.42	\$		
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	\$2,686.13	\$0.00	\$16.42	\$		
Average Steam Cost	•••	\$7.46	***		\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	79.3	%		
Efficiency By I/O		80.6			%		
Mid-Atlantic Controls Corporation		av Report					

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/27/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days	20.22				
Total Plant Steam Flow		329	82		klbs
Steam Flow Per Heating Degree Day		16	.3		klbs/hdd
Total Condensate Return Water Flow		8	9		klbs
Total Plant Gas Flow		404	.72		kscf
Total Plant Gas Cost		\$2,48	35.29		\$
Total Plant Oil Flow	111111111111111111111111111111111111111	0.	0		gals
Total Plant Oil Cost		\$0.	00		\$
Total Plant Fuel Cost		\$2,48	35.29		S
Fuel Cost Per Heating Degree Day		\$12	2.89		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	37		\$/klbs
Total Plant Efficiency By I/O		79	.8		%
Condensate Transfer Pump #1 Run Time		23	5		hrs
Condensate Transfer Pump #2 Run Time		23			hrs
Condensate Transfer Pump #3 Run Time	23.5				
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time	23.5				
Boiler Feed Pump #4 Run Time	****	23			hrs
Fuel Oil Pump #1 Run Time		0.			hrs
Fuel Oil Pump #2 Run Time	23.5				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.0	23.5	0.0	0.4	hrs
Steam Flow	0.00	329.82	0.00	0.00	klbs
Gas Flow	0.00	401.99	0.00	2.73	kscf
Natural Gas Cost	\$0.00	\$2,468.52	\$0.00	\$16.77	S
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S
Total Fuel Cost	\$0.00	\$2,468.52	\$0.00	\$16.77	S
Average Steam Cost	-	\$7.48			\$/klbs
Efficiency By Losses	0.0	80.1	0.0	78.8	%
Efficiency By I/O	80.3				

Heating Plant Day Operations Report

12/28/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	15.53					
Total Plant Steam Flow		303	3.89		klbs	
Steam Flow Per Heating Degree Day		19).6		klbs/hde	
Total Condensate Return Water Flow		9.	1		klbs	
Total Plant Gas Flow		375	5.68		kscf	
Total Plant Gas Cost		\$2,30	06.98		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,30	06.98		\$	
Fuel Cost Per Heating Degree Day	1-	\$14	3.54		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	49		\$/klbs	
Total Plant Efficiency By I/O		79	.2		%	
Condensate Transfer Pump #1 Run Time		23	5		<u> </u>	
Condensate Transfer Pump #2 Run Time					hrs	
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	23.5					
Boiler Feed Pump #3 Run Time						
Boiler Feed Pump #4 Run Time	23.5					
Fuel Oil Pump #1 Run Time					hrs	
Fuel Oil Pump #2 Run Time	23.5					
Total On Family #2 Ivan Famile			.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.4	hrs	
Steam Flow	0.00	303.89	0.00	0.00	klbs	
Gas Flow	0.00	373.13	0.00	2.55	kscf	
Natural Gas Cost	\$0.00	\$2,291.33	\$0.00	\$15.66	\$	
Oil Flow	0.0 0.0 0.0 0.0					
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals \$	
Total Fuel Cost	\$0.00	\$2,291.33	\$0.00	\$15.66	\$	
Average Steam Cost	•••	\$7.54			\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	76.9	%	
Efficiency By I/O	79.8					

Heating Plant Day Operations Report

12/29/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		12.32				
Total Plant Steam Flow		277	.57		klbs	
Steam Flow Per Heating Degree Day		22	.5		klbs/hde	
Total Condensate Return Water Flow		9.	2		klbs	
Total Plant Gas Flow		344	.83		kscf	
Total Plant Gas Cost		\$2,11	17.54		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,11	17.54		S	
Fuel Cost Per Heating Degree Day		\$17	1.88		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	62		\$/klbs	
Total Plant Efficiency By I/O		78	.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					
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	23.5					
Boiler Feed Pump #3 Run Time	23.5					
Boiler Feed Pump #4 Run Time		23	.5		hrs	
Fuel Oil Pump #1 Run Time		0.	0		hrs	
Fuel Oil Pump #2 Run Time	23.5					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0.0	0.4	hrs	
Steam Flow	0.00	277.57	0.00	0.00	klbs	
Gas Flow	0.00	342.33	0.00	2.50	kscf	
Natural Gas Cost	\$0.00	\$2,102.17	\$0.00	\$15.37	S	
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	\$2,102.17	\$0.00	\$15.37	\$	
Average Steam Cost		\$7.57	***		\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	80.9	%	
Efficiency By I/O	79.4					

Heating Plant Day Operations Report

12/30/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		11.	06		hdd	
Total Plant Steam Flow		272	.19		klbs	
Steam Flow Per Heating Degree Day		24	.6		klbs/hd	
Total Condensate Return Water Flow		9.	2		klbs	
Total Plant Gas Flow		339	.81		kscf	
Total Plant Gas Cost		\$2,08	36.70		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		S	
Total Plant Fuel Cost		\$2,08	6.70		S	
Fuel Cost Per Heating Degree Day		\$188	3.73		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	69		\$/klbs	
Total Plant Efficiency By I/O		78	.4		%	
Condensate Transfer Pump #1 Run Time		23	.4	}	hrs	
Condensate Transfer Pump #2 Run Time		23	.4		hrs	
Condensate Transfer Pump #3 Run Time	23.4					
Boiler Feed Pump #1 Run Time	23.4					
Boiler Feed Pump #2 Run Time	23.4					
Boiler Feed Pump #3 Run Time	23.4					
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Run Time		0.			hrs	
Fuel Oil Pump #2 Run Time	23.4					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.4	0.0	0.3	hrs	
Steam Flow	0.00	272.19	0.00	0.00	klbs	
Gas Flow	0.00	337.77	0.00	2.04	kscf	
Natural Gas Cost	\$0.00	\$2,074.15	\$0.00	\$12.55	S	
Dil Flow	0.0 0.0 0.0 0.0					
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals \$	
Total Fuel Cost	\$0.00	\$2,074.15	\$0.00	\$12.55	S	
Average Steam Cost	\$7.62					
Efficiency By Losses	0.0	80.3	0.0	72.8	\$/klbs	
Efficiency By I/O		78.9			%	

Heating Plant Day Operations Report

12/31/2019 7:00 AM Daily Report

		DI	nt		Units		
Heating Degree Days	Plant 29.67				hdd		
Total Plant Steam Flow	-	289			kibs		
Steam Flow Per Heating Degree Day		9.			klbs/hde		
Total Condensate Return Water Flow		9			klbs		
Total Plant Gas Flow		357			kscf		
Total Plant Gas Cost		\$2,19			\$		
Total Plant Oil Flow		φ2,13			gals		
Total Plant Oil Cost		\$0.			\$		
Total Plant Fuel Cost		\$2,19			\$		
Fuel Cost Per Heating Degree Day		\$73			\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.			\$/klbs		
Total Plant Efficiency By I/O		79			%		
Total Flant Emoleracy by 110					70		
Condensate Transfer Pump #1 Run Time		23.5					
Condensate Transfer Pump #2 Run Time		23	.5		hrs		
Condensate Transfer Pump #3 Run Time	23.5						
Boiler Feed Pump #1 Run Time	23.5						
Boiler Feed Pump #2 Run Time	23.5						
Boiler Feed Pump #3 Run Time	23.5						
Boiler Feed Pump #4 Run Time		23	.5		hrs		
Fuel Oil Pump #1 Run Time		0.	0		hrs		
Fuel Oil Pump #2 Run Time	23.5						
	<u> </u>						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.0	23,5	0.0	0.3	hrs		
Steam Flow	0.00	289.22	0.00	0.00	klbs		
Gas Flow	0.00	355.43	0.00	1.67	kscf		
Natural Gas Cost	\$0.00	\$2,182.59	\$0.00	\$10.23	\$		
Oil Flow	0.0 0.0 0.0 0.0						
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$0.00	\$2,182.59	\$0.00	\$10.23	\$		
Average Steam Cost		\$7.55	_		\$/klbs		
Efficiency By Losses	0.0	80.0	0.0	73.9	%		
Efficiency By I/O	79.7						