Heating Plant Day Operations Report



Description

Description					
		Pla			Units
Heating Degree Days		22.			hdd
Total Plant Steam Flow		370			klbs
Steam Flow Per Heating Degree Day		16			klbs/hdc
Total Condensate Return Water Flow		4.	5		klbs
Total Plant Gas Flow		428	.14		kscf
Total Plant Gas Cost		\$2,62	9.13		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	00		\$
Total Plant Fuel Cost		\$2,62	9.13		\$
Fuel Cost Per Heating Degree Day		\$118	3.83		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	32		\$/klbs
Total Plant Efficiency By I/O	84.8				
Condensate Transfer Pump #1 Run Time		5.	8	1	hrs
Condensate Transfer Pump #2 Run Time		0.	0		hrs
Condensate Transfer Pump #3 Run Time		23	.5		hrs
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time		23	.5		hrs
Boiler Feed Pump #4 Run Time		23	.5		hrs
Fuel Oil Pump #1 Run Time	alternative Control of the Control o	23	.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	23.5	0.0	0.0	hrs
Steam Flow	0.00	370.67	0.00	0.00	klbs
Gas Flow	1.38	426.77	0.00	0.00	kscf
Natural Gas Cost	\$8.45	\$2,620.68	\$0.00	\$0.00	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$8.45	\$2,620.68	\$0.00	\$0.00	\$
Average Steam Cost	***	\$7.07	***	***	\$/klbs
Efficiency By Losses	72.7	79.5	0.0	0.0	%
Efficiency By I/O		85.1			%

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/2/2018 7:00 AM Daily Report

Heating Dears - B-		P	lant		Units
Heating Degree Days Total Plant Steam Flow		20	0.57		hdd
		35	2.09		klbs
Steam Flow Per Heating Degree Day Total Condensate Return Water Flow		1	7.1		klbs/hdd
Total Plant Gas Flow		6	1.7		klbs
Total Plant Gas Cost		40	7.86		kscf
Total Plant Oil Flow		\$2,5	04.58		S
Total Plant Oil Cost		(	0.0		gals
Total Plant Fuel Cost		\$0	0.00		\$
		\$2,5	04.58		S
Fuel Cost Per Heating Degree Day		\$12	21.78		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	0.35		\$/klbs
Total Plant Efficiency By I/O		8	4.5		%
Condensate Transfer Pump #1 Run Time			 3.6		
Condensate Transfer Pump #2 Run Time			.0		hrs
Condensate Transfer Pump #3 Run Time			.3		hrs
Boiler Feed Pump #1 Run Time					hrs
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time	23.5 23.5				
Boiler Feed Pump #4 Run Time			3.5		hrs
Fuel Oil Pump #1 Run Time			3.5		hrs
uel Oil Pump #2 Run Time					hrs
			0	-	hrs
Run Time	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Steam Flow	0.3	23.5	0.0	0.0	hrs
Sas Flow	0.00	352.09	0.00	0.00	klbs
Vatural Gas Cost	1.68	406.18	0.00	0.00	kscf
Dil Flow	\$10.33	\$2,494.25	\$0.00	\$0.00	S
Dil Cost	0.0	0.0	0.0	0.0	gals
otal Fuel Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
	\$10.33	\$2,494.25	\$0.00	\$0.00	S
verage Steam Cost		\$7.08			\$/kibs
efficiency By Losses	81.2	79.7	0.0	0.0	%
fficiency By I/O Mid-Atlantic Controls Corporation		84.9			%

Heating Plant Day Operations Report

12/3/2018 7:00 AM Daily Report

Description

Description						
	Plant					
Heating Degree Days		9.42				
Total Plant Steam Flow		30	5.07		hdd	
Steam Flow Per Heating Degree Day			2.4		klbs/hdd	
Total Condensate Return Water Flow		5	5.4		klbs	
Total Plant Gas Flow		35	3.33		kscf	
Total Plant Gas Cost			69.72		S	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost			.00		\$	
Total Plant Fuel Cost			69.72		\$	
Fuel Cost Per Heating Degree Day			0.28		\$/hdd	
Plant Average Steam Cost Per Degree Day			.75		\$/nud \$/klbs	
Total Plant Efficiency By I/O			1.6		%	
Condensate Terrative D. 194 D. T.						
Condensate Transfer Pump #1 Run Time		23	3.5		hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time			.0		hrs	
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	23.5					
Boiler Feed Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #4 Run Time		23	3.5		hrs	
Fuel Oil Pump #1 Run Time		23	3.5		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.2	23.5	0.0	0.0		
Steam Flow	0.00	305.07	0.00	0.00	hrs	
Gas Flow	0.98	352.35	0.00		klbs	
Natural Gas Cost	\$6.05	\$2,163.67	\$0.00	0.00	kscf	
Oil Flow	0.0	0.0	0.0	\$0.00	\$	
Oil Cost	\$0.00	\$0.00	\$0.00	0.0	gals	
Total Fuel Cost	\$6.05	\$2,163.67		\$0.00	\$	
Average Steam Cost		\$7.09	\$0.00	\$0.00	\$	
Efficiency By Losses	79.5	80.2	0.0		\$/klbs	
fficiency By I/O	13.0	84.8	0.0	0.0	%	
Mid-Atlantic Controls Corporation		av Report			% Page 1 of 1	

Day Report

Heating Plant Day Operations Report

12/4/2018 7:00 AM Daily Report

		Plant				
Heating Degree Days		13.42				
Total Plant Steam Flow		34	0.51		hdd klbs	
Steam Flow Per Heating Degree Day		2:	5.4		klbs/hd	
Total Condensate Return Water Flow		4	.7		klbs	
Total Plant Gas Flow		39:	2.19		kscf	
Total Plant Gas Cost			08.33		\$	
Total Plant Oil Flow			.0		gals	
Total Plant Oil Cost		\$0	.00			
Total Plant Fuel Cost			08.33		\$ \$	
Fuel Cost Per Heating Degree Day			9.43		\$/hdd	
Plant Average Steam Cost Per Degree Day			.53			
Total Plant Efficiency By I/O			5.0		\$/klbs %	
Condensate Transfer Pump #1 Run Time	<del></del>	23				
Condensate Transfer Pump #2 Run Time					hrs	
Condensate Transfer Pump #3 Run Time	-	3			hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	23.5 23.5					
Boiler Feed Pump #3 Run Time					hrs	
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Run Time		23			hrs	
uel Oil Pump #2 Run Time		23			hrs	
		0	<u> </u>		hrs	
Run Time	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Steam Flow	0.3	23.5	0.0	0.0	hrs	
Gas Flow	0.00	340.51	0.00	0.00	klbs	
latural Gas Cost	1.36	390.83	0.00	0.00	kscf	
Dil Flow	\$8.33	\$2,400.00	\$0.00	\$0.00	S	
Dil Cost	0.0	0.0	0.0	0.0	gals	
otal Fuel Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
	\$8.33	\$2,400.00	\$0.00	\$0.00	S	
verage Steam Cost		\$7.05	-	***	\$/klbs	
efficiency By Losses	72.6	79.7	0.0	0.0	%	
fficiency By I/O Mid-Atlantic Controls Corporation		85.3			%	

Heating Plant Day Operations Report

12/5/2018 7:00 AM Daily Report

		Pla	int		Units
Heating Degree Days		25.	71		hdd
Total Plant Steam Flow		382	.00		klbs
Steam Flow Per Heating Degree Day		14	.9		klbs/hde
Total Condensate Return Water Flow		4.	6		klbs
Total Plant Gas Flow		438	.63		kscf
Total Plant Gas Cost		\$2,69	3.52		\$
Total Plant Oil Flow		0.	0		gals
Total Plant Oil Cost		\$0.	00		\$
Total Plant Fuel Cost		\$2,69	3.52		\$
Fuel Cost Per Heating Degree Day		\$104	1.78		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.	27		\$/klbs
Total Plant Efficiency By I/O		85	.3		%
Condensate Transfer Pump #1 Run Time		23			hrs
Condensate Transfer Pump #2 Run Time		7.			hrs
Condensate Transfer Pump #3 Run Time		0.			hrs
Boiler Feed Pump #1 Run Time		23			hrs
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time		23			hrs
Boiler Feed Pump #4 Run Time		23			hrs
Fuel Oil Pump #1 Run Time		23	.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	23.5	0.0	0.0	hrs
Steam Flow	0.00	382.00	0.00	0.00	klbs
Gas Flow	1.66	436.97	0.00	0.00	kscf
Natural Gas Cost	\$10.17	\$2,683.35	\$0.00	\$0.00	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$10.17	\$2,683.35	\$0.00	\$0.00	S
Average Steam Cost		\$7.02		φσ.σσ	\$/klbs
Efficiency By Losses	74.6	79.4	0.0	0.0	%
Efficiency By I/O		85.6	0.0	<u> </u>	%

Heating Plant Day Operations Report

12/6/2018 7:00 AM Daily Report

		Plant					
Heating Degree Days		32	.63		hdd		
Total Plant Steam Flow		415	5.00		klbs		
Steam Flow Per Heating Degree Day		12	2.7		klbs/ho		
Total Condensate Return Water Flow		1,	.9		klbs		
Total Plant Gas Flow		481	1.71		kscf		
Total Plant Gas Cost		\$2,9	58.04		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.03		\$		
Total Plant Fuel Cost		\$2,95	58.07		\$		
Fuel Cost Per Heating Degree Day		\$90	0.65		\$/hdd		
Plant Average Steam Cost Per Degree Day	And (1971)	\$0	.22		\$/klbs		
Total Plant Efficiency By I/O		84	1.4		%		
Condensate Transfer Pump #1 Run Time		23	3.5		hrs		
Condensate Transfer Pump #2 Run Time		7.	,6		hrs		
Condensate Transfer Pump #3 Run Time		0	.0		hrs		
Boiler Feed Pump #1 Run Time	23.5						
Boiler Feed Pump #2 Run Time	23.5						
Boiler Feed Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		23	3.5		hrs		
Fuel Oil Pump #2 Run Time	0.0						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.4	1.9	0.0	23.0	hrs		
Steam Flow	0.00	21.70	0.00	393.30	klbs		
Gas Flow	1.89	28.37	0.00	451.45	kscf		
Natural Gas Cost	\$11.62	\$174.19	\$0.00	\$2,772.22	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.03	\$		
Total Fuel Cost	\$11.62	\$174.19	\$0.00	\$2,772.25	\$		
Average Steam Cost	444	\$8.03		\$7.05	\$/klbs		
Efficiency By Losses	74.5	76.1	0.0	81.4	%		
Efficiency By I/O		74.9		85.3	%		

Heating Plant Day Operations Report

12/7/2018 7:00 AM Daily Report

			· · · · · ·	
				Units
				hdd
				klbs
_				klbs/hdd
				klbs
				kscf
	\$2,9	73.10		\$
	0	.5		gals
	\$1	.90		\$
	\$2,9	75.00		\$
	\$90	).46		\$/hdd
	\$0	.21		\$/klbs
	85	5.5		%
	23	3.5	†	hrs
				hrs
7-1-				hrs
				hrs
0.0				
Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
				hrs
				klbs
			+	kscf
				S
				gals
				\$
The state of the s				\$
410.00	ΨΕ4.02	-	1	\$/klbs
80.3				%
00.0	75,5	V.V	<del> </del>	%
	Boiler 1  0.3  0.00  1.64  \$10.05  0.0  \$0.00  \$10.05   80.3	32 422 12 13 14 484 \$2,99 0 \$1 \$2,99 \$90 \$0 85  85  23 23 23 23 23 23 25 25 26 27 27 00 28 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Boiler 1         Boiler 2         Boiler 3           0.3         0.8         0.0           0.00         0.00         0.00           1.64         3.99         0.00           \$10.05         \$24.52         \$0.00           0.0         0.0         0.0           \$0.00         \$0.00         \$0.00           \$10.05         \$24.52         \$0.00           \$10.05         \$24.52         \$0.00	32.89 422.70 12.9 1.5 484.16 \$2,973.10 0.5 \$1.90 \$2,975.00 \$90.46 \$0.21 85.5  23.5 7.1 0.0 23.5 23.5 23.5 23.5 23.5 23.5 23.5 23.5

Heating Plant Day Operations Report

12/8/2018 7:00 AM Daily Report

		Pla	ant		Units
Heating Degree Days		28	.39		hdd
Total Plant Steam Flow		410	0.96		klbs
Steam Flow Per Heating Degree Day		14	4.5		klbs/hde
Total Condensate Return Water Flow		1	.5		klbs
Total Plant Gas Flow		47	1.53		kscf
Total Plant Gas Cost		\$2,8	95.57		\$
Total Plant Oil Flow		0	.2		gals
Total Plant Oil Cost		\$0	.70		\$
Total Plant Fuel Cost		\$2,8	96.27		\$
Fuel Cost Per Heating Degree Day		\$10	2.00		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.25		\$/klbs
Total Plant Efficiency By I/O		8:	5.3		%
Condensate Transfer Pump #1 Run Time		2:	3.5		hrs
Condensate Transfer Pump #2 Run Time		6	3.8		hrs
Condensate Transfer Pump #3 Run Time	****	0	0.0		hrs
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time		23	3.5		hrs
Boiler Feed Pump #3 Run Time		23	3.5		hrs
Boiler Feed Pump #4 Run Time		2:	3.5		hrs
Fuel Oil Pump #1 Run Time		2:	3.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.8	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	410.96	klbs
Gas Flow	1.63	3.90	0.00	466.01	kscf
Natural Gas Cost	\$10.02	\$23.94	\$0.00	\$2,861.62	\$
Oil Flow	0.0	0.0	0.0	0.2	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.70	\$
Total Fuel Cost	\$10.02	\$23.94	\$0.00	\$2,862.32	\$
Average Steam Cost	000	•••		\$6.96	\$/klbs
Efficiency By Losses	78.7	75.0	0.0	81.3	%
Efficiency By I/O	2-211-0		1	86.4	%

Heating Plant Day Operations Report

12/9/2018 7:00 AM Daily Report

Description

Description					
		Pla	ant		Units
Heating Degree Days		30	.60		hdd
Total Plant Steam Flow		404	1,21		klbs
Steam Flow Per Heating Degree Day		13	3.2		klbs/hdd
Total Condensate Return Water Flow		2	.1		klbs
Total Plant Gas Flow		463	3.17		kscf
Total Plant Gas Cost		\$2,84	44.21		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,84	44,21		\$
Fuel Cost Per Heating Degree Day		\$92	2.95		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	23		\$/klbs
Total Plant Efficiency By I/O		85	5.5		%
				1	14
Condensate Transfer Pump #1 Run Time			.8		hrs
Condensate Transfer Pump #2 Run Time			5.4		hrs
Condensate Transfer Pump #3 Run Time			.0		hrs
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time			3.5		hrs
Boiler Feed Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #4 Run Time			3,5		hrs
Fuel Oil Pump #1 Run Time		23	3.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.4	0.9	0.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	404.21	klbs
Gas Flow	1.96	4.31	0.00	456.90	kscf
Natural Gas Cost	\$12.01	\$26,46	\$0.00	\$2,805.73	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$12.01	\$26.46	\$0.00	\$2,805.73	\$
Average Steam Cost		_	_	\$6.94	\$/klbs
Efficiency By Losses	76.6	74.0	0.0	81.3	%
Efficiency By I/O				86.6	%
Mid-Atlantic Controls Compration		ay Poport			Page 1 of 1

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/10/2018 7:00 AM Daily Report

Description			<u>.</u>			
		Pla	ant		Units	
Heating Degree Days		49	.84		hdd	
Total Plant Steam Flow		320	).57		klbs	
Steam Flow Per Heating Degree Day		6	.4		klbs/hdd	
Total Condensate Return Water Flow		4	.8		klbs	
Total Plant Gas Flow		400	).52		kscf	
Total Plant Gas Cost		\$2,4	59.48		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,4	59.48		\$	
Fuel Cost Per Heating Degree Day		\$49	9.35		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.15		\$/klbs	
Total Plant Efficiency By I/O		78	3.4		%	
Condensate Transfer Pump #1 Run Time	4.7					
Condensate Transfer Pump #2 Run Time		12	2.3		hrs	
Condensate Transfer Pump #3 Run Time		13	3.9		hrs	
Boiler Feed Pump #1 Run Time	23.4					
Boiler Feed Pump #2 Run Time	23.4					
Boiler Feed Pump #3 Run Time		22	2.5		hrs	
Boiler Feed Pump #4 Run Time		22	2.5		hrs	
Fuel Oil Pump #1 Run Time		23	3.4		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	12.2	6.0	2.9	7.7	hrs	
Steam Flow	151.77	26.79	0.00	142.01	klbs	
Gas Flow	194.29	34.63	11.25	160.35	kscf	
Natural Gas Cost	\$1,193.11	\$212.63	\$69.08	\$984.66	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$1,193.11	\$212.63	\$69.08	\$984.66	\$	
Average Steam Cost	\$7.86	\$7.94		\$6.93	\$/klbs	
Efficiency By Losses	81.0	0.0	84.6	0.0	%	
Efficiency By I/O	76.5	75.8		86.7	%	
Mid-Atlantic Controls Corneration		ay Peport		-	Page 1 of 1	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/11/2018 7:00 AM Daily Report

Description

Description					
			ant		Units hdd
Heating Degree Days		34,85			
Total Plant Steam Flow			7.43		klbs
Steam Flow Per Heating Degree Day			3.4		klbs/hdc
Total Condensate Return Water Flow			,3		klbs
Total Plant Gas Flow			5.02		kscf
Total Plant Gas Cost			52.97		\$
Total Plant Oil Flow		0	.0		ga!s
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$3,3	52.97		\$
Fuel Cost Per Heating Degree Day		\$96	5.22		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.21		\$/klbs
Total Plant Efficiency By I/O		83	3.8		%
Condensate Transfer Pump #1 Run Time	<u> </u>	0	0		hrs
Condensate Transfer Pump #1 Run Time Condensate Transfer Pump #2 Run Time			3.5		hrs
Condensate Transfer Pump #2 Run Time Condensate Transfer Pump #3 Run Time					hrs
Boiler Feed Pump #1 Run Time	23.5				
	23.5 23.5				
Boiler Feed Pump #2 Run Time					hrs
Boiler Feed Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #4 Run Time			3.5		hrs
Fuel Oil Pump #1 Run Time			3.5		hrs
Fuel Oil Pump #2 Run Time			0.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.5	0.0	0.7	21.1	hrs
Steam Flow	230.54	0.00	0.00	236.89	klbs
Gas Flow	256.76	0.00	2.76	286.50	kscf
Natural Gas Cost	\$1,576.71	\$0.00	\$16.93	\$1,759.33	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$1,576.71	\$0.00	\$16.93	\$1,759.33	\$
Average Steam Cost	\$6.84		****	\$7.43	\$/klbs
Efficiency By Losses	81.3	0.0	74.9	81.5	%
Efficiency By I/O	87.9			81.0	%
Mid-Atlantic Controls Corporation		av Report			Page 1 of

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/12/2018 8:01 AM Daily Report

Description

				Units
	0.	00		hdd
	10.	.81		klbs
	-	-		klbs/hdd
	0	.0		klbs
	13	27		kscf
				\$
	0	4		gals
	\$1	.37		\$
	\$82	2.85		\$
	-			\$/hdd
	_			\$/klbs
	79	0.5		%
1	0	Ō	1	hrs
				hrs
				hrs
	0	.5		hrs
	0	.5		hrs
	0	.5		hrs
0.0				
Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
	0.0	0.0	0.5	hrs
				klbs
				kscf
				\$
0.0		0.0	0.4	gals
			4866	\$
				S
				\$/klbs
	0.0			%
		· · · · · · · · · · · · · · · · · · ·		%
	\$0.00 \$0.00	0.0 10 10 10 13 \$81 \$82  79  0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Boiler 1         Boiler 2         Boiler 3           0.0         0.0         0.0           0.00         0.00         0.00           0.00         0.00         0.16           \$0.00         \$0.00         \$1.01           0.0         0.0         0.0           \$0.00         \$0.00         \$0.00           \$0.00         \$0.00         \$1.01	0.00 10.81 0.0 13.27 \$81.48 0.4 \$1.37 \$82.85 79.5  0.0 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/13/2018 7:00 AM Daily Report

Description

Description	* 1				Units	
	Plant					
Heating Degree Days		32.07				
Total Plant Steam Flow			7.47		klbs	
Steam Flow Per Heating Degree Day			3.0		klbs/hdd	
Total Condensate Return Water Flow			.9		klbs	
Total Plant Gas Flow			1.50		kscf	
Total Plant Gas Cost			52.39		\$	
Total Plant Oil Flow			.0		gals	
Total Plant Oil Cost		\$11	1.64		\$	
Total Plant Fuel Cost		\$2,8	54.03		\$	
Fuel Cost Per Heating Degree Day		\$89	9.30		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.21		\$/klbs	
Total Plant Efficiency By I/O		87	7,9	1	%	
Condensate Transfer Pump #1 Run Time		0	.0	<u>†                                      </u>	hrs	
Condensate Transfer Pump #2 Run Time		23	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			3.5	=11 -12 - 21	hrs	
Fuel Oil Pump #1 Run Time			3.5		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
*	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	0.0	0.8	23.5	hrs	
Steam Flow	0.00	0.00	0.00	417.47	klbs	
Gas Flow	0.00	0.00	3.08	461.42	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$18.93	\$2,833.46	S	
Oil Flow	0.0	0.0	0.0	3.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$11.64	\$	
Total Fuel Cost	\$0.00	\$0.00	\$18.93	\$2,845.10	S	
Average Steam Cost	φυ.υυ 	\$0.00	\$10.55 	\$6.82	\$/klbs	
Efficiency By Losses	0.0	0.0	74.0	81.4	%	
Efficiency By I/O	0.0	0.0	14.0	88.5	%	
Mid-Atlantic Controls Corporation		ay Report	I	00.5	Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/14/2018 7:00 AM Daily Report

Description					Units		
		Plant					
Heating Degree Days			.58		hdd		
Total Plant Steam Flow			1,52		klbs		
Steam Flow Per Heating Degree Day		14	1.2		klbs/hd		
Total Condensate Return Water Flow			.7		klbs		
Total Plant Gas Flow		447	7.25		kscf		
Total Plant Gas Cost			46.47		\$		
Total Plant Oil Flow			.2		gals		
Total Plant Oil Cost		\$8	.31		\$		
Total Plant Fuel Cost		\$2,7	54.77		\$		
Fuel Cost Per Heating Degree Day		\$96	5,40		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.24		\$/klbs		
Total Plant Efficiency By I/O		88	3.5	1	%		
Condensate Transfer Pump #1 Run Time		0	.0		hrs		
Condensate Transfer Pump #2 Run Time		23	3.5		hrs		
Condensate Transfer Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #1 Run Time		23	3.5		hrs		
Boiler Feed Pump #2 Run Time		23	3.5		hrs		
Boiler Feed Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		23	3.5		hrs		
Fuel Oil Pump #2 Run Time		0	.0		hrs		
<u> </u>	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.3	0.0	0.9	23.5	hrs		
Steam Flow	0.00	0.00	0.00	404.52	klbs		
Gas Flow	1.59	0.00	3.26	442.41	kscf		
Natural Gas Cost	\$9.74	\$0.00	\$19.99	\$2,716.74	\$		
Oil Flow	0.0	0.0	0.0	2.2	gals		
Oil Cost	\$0.00						
Total Fuel Cost	\$9.74	\$0.00	\$19.99	\$2,725.04	\$		
Average Steam Cost	***			\$6.74	\$/klbs		
Efficiency By Losses	84.0	0.0	74.3	81.4	%		
Efficiency By I/O				89.5	%		

Heating Plant Day Operations Report

12/15/2018 7:00 AM Daily Report

Description

		Pla	ant		Units		
Heating Degree Days		28.99					
Total Plant Steam Flow		394	1.77		klbs		
Steam Flow Per Heating Degree Day		13	3.6		klbs/hdd		
Total Condensate Return Water Flow		5	.1		klbs		
Total Plant Gas Flow		438	3.73		kscf		
Total Plant Gas Cost		\$2,69	94.13		\$		
Total Plant Oil Flow		1	.3		gals		
Total Plant Oil Cost		\$4	90		\$		
Total Plant Fuel Cost		\$2,69	99.03		\$		
Fuel Cost Per Heating Degree Day		\$93	3.09		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	24		\$/klbs		
Total Plant Efficiency By I/O		88	3.1		%		
Condensate Transfer Pump #1 Run Time	<u> </u>	0.0					
Condensate Transfer Pump #2 Run Time		23	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		23	3.5		hrs		
Boiler Feed Pump #4 Run Time			3.5		hrs		
Fuel Oil Pump #1 Run Time		23	3.5		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	0.7	23.5	hrs		
Steam Flow	0.00	0.00	0.00	394.77	klbs		
Gas Flow	1.22	0.00	2.62	434.89	kscf		
Natural Gas Cost	\$7.49	\$0.00	\$16.12	\$2,670.52	S		
Oil Flow	0.0	0.0	0.0	1.3	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$4.90	S		
Total Fuel Cost	\$7.49	\$0.00	\$16.12	\$2,675.42	s		
Average Steam Cost				\$6.78	\$/klbs		
Efficiency By Losses	84.2	0.0	79.2	81.6	%		
Efficiency By I/O				88.9	%		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/16/2018 7:00 AM Daily Report

Description

Description							
		Plant					
Heating Degree Days		16.91					
Total Plant Steam Flow			5.56		klbs		
Steam Flow Per Heating Degree Day			1.1		klbs/hde		
Total Condensate Return Water Flow			.5		klbs		
Total Plant Gas Flow			7.03		kscf		
Total Plant Gas Cost			38.07		\$		
Total Plant Oil Flow		0	4		gals		
Total Plant Oil Cost			.40		\$		
Total Plant Fuel Cost		\$2,4	39.47		\$		
Fuel Cost Per Heating Degree Day		\$14	4.27		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.40		\$/klbs		
Total Plant Efficiency By I/O		87	7.9	,	%		
Condensate Transfer Pump #1 Run Time			.0		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			3.5		hrs		
Fuel Oil Pump #1 Run Time			3.5		hrs		
Fuel Oil Pump #2 Run Time	0.0						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.2	0.0	0.8	23.5	hrs		
Steam Flow	0.00	0.00	0.00	356.56	klbs		
Gas Flow	1.27	0.00	3.08	392.69	kscf		
Natural Gas Cost	\$7.77	\$0.00	\$18.90	\$2,411.40	\$		
Dil Flow	0.0	0.0	0.0	0.4	gals		
Dil Cost	\$0.00	\$0.00	\$0.00	\$1.40	\$		
Total Fuel Cost	\$7.77	\$0.00	\$18.90	\$2,412.80	\$		
Average Steam Cost				\$6.77	\$/klbs		
Efficiency By Losses	75.4	0.0	77.2	81.7	%		
Efficiency By I/O				88.9	%		
Mid-Atlantic Controls Corporation	D	av Report			Page 1 o		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/17/2018 7:00 AM Daily Report

		Plant					
Heating Degree Days		21	.85		hdd		
Total Plant Steam Flow		363	3.53		klbs		
Steam Flow Per Heating Degree Day		16	5.6		klbs/hd		
Total Condensate Return Water Flow		5	.3		klbs		
Total Plant Gas Flow		409	9.22		kscf		
Total Plant Gas Cost		\$2,5	12.92		\$		
Total Plant Oil Flow		0	.2		gals		
Total Plant Oil Cost		\$0	.85		\$		
Total Plant Fuel Cost		\$2,5	13.76		\$		
Fuel Cost Per Heating Degree Day		\$11	5.05		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.32		\$/klbs		
Total Plant Efficiency By I/O		8:	7.0	1	%		
Condensate Transfer Pump #1 Run Time		0	.0		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		2:	3.5		hrs		
Boiler Feed Pump #3 Run Time		2:	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		2:	3.5		hrs		
Fuel Oil Pump #2 Run Time		0	.0	1	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.5	0.0	0.9	23.3	hrs		
Steam Flow	1.04	0.00	0.00	362.49	klbs		
Gas Flow	5.86	0.00	3.52	399.84	kscf		
Natural Gas Cost	\$36.01	\$0.00	\$21.59	\$2,455.32	\$		
Oil Flow	0.0	0.0	0.0	0.2	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.85	\$		
Total Fuel Cost	\$36.01	\$0.00	\$21.59	\$2,456.17	\$		
Average Steam Cost	\$34.75	and the same of th		\$6.78	\$/klbs		
Efficiency By Losses	80.5	0.0	76.3	81.5	%		
Efficiency By I/O	17.3			88.8	%		
Mid-Atlantic Controls Corporation	D	ay Report			Page 1 of		

Heating Plant Day Operations Report

12/18/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		21	.64		hdd	
Total Plant Steam Flow		373	3.79		klbs	
Steam Flow Per Heating Degree Day		17	7,3		klbs/hd	
Total Condensate Return Water Flow		5	.3		klbs	
Total Plant Gas Flow		416	3.91		kscf	
Total Plant Gas Cost		\$2,5	60.14		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost	,	\$0	.00		\$	
Total Plant Fuel Cost		\$2,5	60.14		\$	
Fuel Cost Per Heating Degree Day		\$11	8.31	**************************************	\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.32		\$/klbs	
Total Plant Efficiency By I/O		87	7.8	1	%	
Condensate Transfer Pump #1 Run Time		0	.0	1	hrs	
Condensate Transfer Pump #2 Run Time		23	3.5		hrs	
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time		2:	3.5		hrs	
Boiler Feed Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #4 Run Time		2:	3.5		hrs	
Fuel Oil Pump #1 Run Time		2:	3.5		hrs	
Fuel Oil Pump #2 Run Time		0	0.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	7.3	0.0	1.0	20.3	hrs	
Steam Flow	87.51	0.00	0.00	286.28	klbs	
Gas Flow	94.60	0.00	3.56	318.74	kscf	
Natural Gas Cost	\$580.94	\$0.00	\$21.89	\$1,957.30	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$580.94	\$0.00	\$21.89	\$1,957.30	\$	
Average Steam Cost	\$6.64		di di di	\$6.84	\$/klbs	
Efficiency By Losses	0.0	0.0	79.0	81.5	%	
Efficiency By I/O	90.6			88.0	%	

Heating Plant Day Operations Report

12/19/2018 7:00 AM Daily Report

		Plant				
Heating Degree Days		28	.95		hdd	
Total Plant Steam Flow		393	3.51		klbs	
Steam Flow Per Heating Degree Day		13	3.6		klbs/hdd	
Total Condensate Return Water Flow		5	.0		klbs	
Total Plant Gas Flow		435	5.31		kscf	
Total Plant Gas Cost		\$2,6	73.11		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,6	73.11		\$	
Fuel Cost Per Heating Degree Day		\$92	2.35		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.23		\$/klbs	
Total Plant Efficiency By I/O		88	3.5	1	%	
Condensate Transfer Pump #1 Run Time		0	.0		hrs	
Condensate Transfer Pump #2 Run Time		23	3.5		hrs	
Condensate Transfer Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #1 Run Time		23	3,5	· · · · · · · · · · · · · · · · · · ·	hrs	
Boiler Feed Pump #2 Run Time		23	3.5		hrs	
Boiler Feed Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #4 Run Time		23	3.5		hrs	
Fuel Oil Pump #1 Run Time		23	3.5		hrs	
Fuel Oil Pump #2 Run Time	his allow (2014) 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	0	.0	i	hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.1	0.0	1.1	23.5	hrs	
Steam Flow	0.00	0.00	0.00	393.51	klbs	
Gas Flow	0.32	0.00	4.23	430.75	kscf	
Natural Gas Cost	\$1.96	\$0.00	\$26.00	\$2,645.15	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00					
Total Fuel Cost	\$1.96	\$0.00	\$26.00	\$2,645.15	\$	
Average Steam Cost	_			\$6.72	\$/klbs	
Efficiency By Losses	75.5	0.0	76.8	81.4	%	
Efficiency By I/O				89.5	%	

Heating Plant Day Operations Report

12/20/2018 7:00 AM Daily Report

Description

		Pla	ant		Units
Heating Degree Days		29	.52		hdd
Total Plant Steam Flow		402	2.70		klbs
Steam Flow Per Heating Degree Day		13	3.6		klbs/hdc
Total Condensate Return Water Flow		2	.5		klbs
Total Plant Gas Flow		460	0.91		kscf
Total Plant Gas Cost		\$2,8	30.36		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,8	30.36		\$
Fuel Cost Per Heating Degree Day	++++-	\$95	5.89		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.24		\$/klbs
Total Plant Efficiency By I/O		85	5.6	·	%
Condensate Transfer Pump #1 Run Time		0	.0	<u> </u>	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	3.5		hrs
Boiler Feed Pump #2 Run Time		23	3.5		hrs
Boiler Feed Pump #3 Run Time		23	3.5		hrs
Boiler Feed Pump #4 Run Time		23	3.5		hrs
Fuel Oil Pump #1 Run Time		23	3.5		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	0.00	0.00	0.00	402.70	klbs
Gas Flow	1.49	0.00	3.93	455.49	kscf
Natural Gas Cost	\$9.15	\$0.00	\$24.13	\$2,797.08	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$9.15	\$0.00	\$24.13	\$2,797.08	\$
Average Steam Cost		_		\$6.95	\$/klbs
Efficiency By Losses	82.2	0.0	71.0	81.6	%
Efficiency By I/O				86.6	%
Mid-Atlantic Controls Corporation	D	av Report			Page 1 of

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/21/2018 7:00 AM Daily Report

Description

		Plant					
Heating Degree Days		16.18					
Total Plant Steam Flow		370	0.78		klbs		
Steam Flow Per Heating Degree Day		22	2.9		klbs/hdd		
Total Condensate Return Water Flow		1	.6		klbs		
Total Plant Gas Flow		429	9.49		kscf		
Total Plant Gas Cost		\$2,6	37,38		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$2,6	37.38		\$		
Fuel Cost Per Heating Degree Day		\$16	3.03		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.44		\$/klbs		
Total Plant Efficiency By I/O		84	1.5		%		
Condensate Transfer Pump #1 Run Time		0	.0		hrs		
Condensate Transfer Pump #2 Run Time		23	3.5		hrs		
Condensate Transfer Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #1 Run Time		23	3.5		hrs		
Boiler Feed Pump #2 Run Time		23	3.5		hrs		
Boiler Feed Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		23	3.5		hrs		
Fuel Oil Pump #2 Run Time	0.0						
	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	370.78	klbs		
Gas Flow	1.24	0.00	3.59	424.65	kscf		
Natural Gas Cost	\$7.62	\$0.00	\$22.07	\$2,607.69	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$7.62	\$0.00	\$22.07	\$2,607.69	\$		
Average Steam Cost				\$7.03	\$/klbs		
Efficiency By Losses	75.3	0.0	77.8	81.9	%		
Efficiency By I/O				85.5	%		
Mid-Atlantic Controls Corporation		av Report			Page 1 of		

Day Report

Heating Plant Day Operations Report

12/22/2018 7:00 AM Daily Report

Description

Description	Diama						
Harris Barres Barres		Plant					
Heating Degree Days			36		hdd		
Total Plant Steam Flow			2.08		klbs		
Steam Flow Per Heating Degree Day			5.1		klbs/hdc		
Total Condensate Return Water Flow			.6		klbs		
Total Plant Gas Flow			).78		kscf		
Total Plant Gas Cost		··· ·	99.69		\$		
Total Plant Oil Flow			.0		gals		
Total Plant Oil Cost			.00		\$		
Total Plant Fuel Cost		\$2,3	99.69		\$		
Fuel Cost Per Heating Degree Day		\$32	6.02		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.98		\$/klbs		
Total Plant Efficiency By I/O		83	3.2	3	%		
Condensate Transfer Pump #1 Run Time		0	.0		hrs		
Condensate Transfer Pump #2 Run Time		23	3.5		hrs		
Condensate Transfer Pump #3 Run Time		2:	3.5		hrs		
Boiler Feed Pump #1 Run Time		2:	3.5		hrs		
Boiler Feed Pump #2 Run Time		2:	3.5		hrs		
Boiler Feed Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #4 Run Time			3.5		hrs		
Fuel Oil Pump #1 Run Time			3.5		hrs		
Fuel Oil Pump #2 Run Time	0.0						
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.3	0.0	1.2	23.5	hrs		
Steam Flow	0.00	0.00	0.00	332.08	klbs		
Gas Flow	1.63	0.00	4.29	384.86	kscf		
Natural Gas Cost	\$10.00	\$0.00	\$26.33	\$2,363.36	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost				· · · · · · · · · · · · · · · · · · ·	\$		
Total Fuel Cost	\$10.00	\$0.00 \$0.00 \$0.00 \$0.00 \$10.00 \$0.00 \$26.33 \$2,363.36					
Average Steam Cost	\$10.00	\$U.UU	\$20.33 	\$2,363.36	\$ \$/klbs		
Efficiency By Losses	74.8	0.0	76.9	81.7	%		
Efficiency By I/O	14.0	0.0	10.5	84.5	%		
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/23/2018 7:00 AM Daily Report

Description

	Plant					
Heating Degree Days		21	.42		hdd	
Total Plant Steam Flow		360	).85		klbs	
Steam Flow Per Heating Degree Day		16	8.8		klbs/hdd	
Total Condensate Return Water Flow		2	.1		klbs	
Total Plant Gas Flow		419	9.47		kscf	
Total Plant Gas Cost		\$2,5	75.85		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,5	75.85		\$	
Fuel Cost Per Heating Degree Day		\$12	0.25		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.33		\$/klbs	
Total Plant Efficiency By I/O		84	1.2		%	
Condensate Transfer Pump #1 Run Time		0	.0		hrs	
Condensate Transfer Pump #2 Run Time			3.5		hrs	
Condensate Transfer Pump #3 Run Time					hrs	
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time			3.5		hrs	
Boiler Feed Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #4 Run Time			3.5		hrs	
Fuel Oil Pump #1 Run Time			3.5		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.3	0.0	1.2	23.5	hrs	
Steam Flow	0.00	0.00	0.00	360.85	klbs	
Gas Flow	1.68	0.00	4.24	413.55	kscf	
Natural Gas Cost	\$10.34	\$0.00	\$26.03	\$2,539.48	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$10.34	\$0.00	\$26.03	\$2,539,48	S	
Average Steam Cost	_			\$7.04	\$/klbs	
Efficiency By Losses	78.8	0.0	78.2	81.5	%	
Efficiency By I/O	1			85.5	%	
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/24/2018 7:00 AM Daily Report

Description

<u> </u>		Plant					
Heating Degree Days		26,58					
Total Plant Steam Flow		360	),01		klbs		
Steam Flow Per Heating Degree Day		13	3,5		klbs/hdd		
Total Condensate Return Water Flow		1	.9		klbs		
Total Plant Gas Flow		417	7,36		kscf		
Total Plant Gas Cost		\$2,56	62.89		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$2,56	52.89		\$		
Fuel Cost Per Heating Degree Day		\$96	5.42		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.27		\$/klbs		
Total Plant Efficiency By I/O		84	1.5	1	%		
Condensate Transfer Pump #1 Run Time		0	.0	<u> </u>	hrs		
Condensate Transfer Pump #2 Run Time		23	3.5		hrs		
Condensate Transfer Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #1 Run Time		23	3.5		hrs		
Boiler Feed Pump #2 Run Time		23	3.5		hrs		
Boiler Feed Pump #3 Run Time		23	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		23	3,5		hrs		
Fuel Oil Pump #2 Run Time	Addition 1 - A 1930-11-12-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0	.0		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.3	0,0	1.0	23,5	hrs		
Steam Flow	0.00	0.00	0.00	360.01	klbs		
Gas Flow	1.56	0.00	3.75	412.05	kscf		
Natural Gas Cost	\$9.55	\$0.00	\$23.05	\$2,530.29	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$9.55	\$0.00	\$23.05	\$2,530.29	\$		
Average Steam Cost		***		\$7.03	\$/klbs		
Efficiency By Losses	84.2	0.0	76.0	81.6	%		
Efficiency By I/O				85.6	%		
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/25/2018 7:00 AM Daily Report

Description		<u> </u>			Units
	Plant				
Heating Degree Days		26	.03		hdd
Total Plant Steam Flow		377	7.24		klbs
Steam Flow Per Heating Degree Day		14	1.5		klbs/hdd
Total Condensate Return Water Flow		1	.6		klbs
Total Plant Gas Flow		439	9.07		kscf
Total Plant Gas Cost		\$2,69	96.23		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,6	96.23		\$
Fuel Cost Per Heating Degree Day		\$10	3.58		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.27		\$/klbs
Total Plant Efficiency By I/O		84	1.1		%
Condensate Transfer Pump #1 Run Time		0	.0		hrs
Condensate Transfer Pump #2 Run Time		23	3,5		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	3.5		hrs
Fuel Oil Pump #1 Run Time		23	3.5		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	1.3	23.5	hrs
Steam Flow	0.00	0.00	0.00	377.24	klbs
Gas Flow	2.22	0.00	4.65	432.21	kscf
Natural Gas Cost	\$13.61	\$0.00	\$28.55	\$2,654.07	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$13.61	\$0.00	\$28.55	\$2,654.07	\$
Average Steam Cost	\$7,04				
Efficiency By Losses	84.1	0.0	74.9	81.4	%
Efficiency By I/O	85.5				

Heating Plant Day Operations Report

12/26/2018 7:00 AM Daily Report

Description

Description					Units	
	Plant					
Heating Degree Days		29.21				
Total Plant Steam Flow			5,66		klbs	
Steam Flow Per Heating Degree Day			3,5		klbs/hdc	
Total Condensate Return Water Flow		1	.3		klbs	
Total Plant Gas Flow		457	7,46		kscf	
Total Plant Gas Cost		\$2,80	09.14		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,8	09.14		\$	
Fuel Cost Per Heating Degree Day		\$96	5.16		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.24		\$/klbs	
Total Plant Efficiency By I/O		84	4.7		%	
					hrs	
Condensate Transfer Pump #1 Run Time	0.0					
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			3.5		hrs	
Fuel Oil Pump #1 Run Time			3.5		hrs	
Fuel Oil Pump #2 Run Time	0.0					
<u> </u>	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.3	0.0	1.3	23.5	hrs	
Steam Flow	0.00	0.00	0.00	395.66	klbs	
Gas Flow	1.63	0.00	4.67	451.15	kscf	
Natural Gas Cost	\$10.04 \$0.00 \$28.70 \$2,770.40					
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$10.04	\$0.00	\$28.70	\$2,770.40	\$	
Average Steam Cost	_	***	***	\$7.00	\$/klbs	
Efficiency By Losses	78.0	0.0	74.6	81.4	%	
Efficiency By I/O	85.9					
Mid-Atlantic Controls Corporation	D	ay Report				

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/27/2018 7:00 AM Daily Report

Description

Description	Diant				
Hastina Danna Baus	Plant 30.63				
Heating Degree Days Total Plant Steam Flow			.63 3.16		klbs
Steam Flow Per Heating Degree Day			3.8		klbs/hdd
Total Condensate Return Water Flow Total Plant Gas Flow			.6		klbs
Total Plant Gas Cost			5.30		kscf \$
			86.27		
Total Plant Oil Flow			.0		gals
Total Plant Oil Cost			.00		\$
Total Plant Fuel Cost			86.27		\$
Fuel Cost Per Heating Degree Day			7.50		\$/hdd
Plant Average Steam Cost Per Degree Day			.23		\$/klbs
Total Plant Efficiency By I/O	<u> </u>	85	5.2	1	%
Condensate Transfer Pump #1 Run Time	<u> </u>	ก	.0	<u>-</u>	hrs
Condensate Transfer Pump #2 Run Time			3.5		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			3.5		hrs
Fuel Oil Pump #1 Run Time			3.5		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	0.00	0.00	0.00	423.16	klbs
Gas Flow	1.61	0.00	4.53	480.16	kscf
Natural Gas Cost	\$9.91	\$0.00	\$27.80	\$2,948.56	\$
Oil Flow	0.0	0,0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$9.91	\$0.00	\$27.80	\$2,948.56	\$
Average Steam Cost		***	***	\$6.97	\$/klbs
Efficiency By Losses	76.3 0.0 77.0 81.3				
Efficiency By I/O	86.3				

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Day Report

Heating Plant Day Operations Report

12/28/2018 7:00 AM Daily Report

Description

	Plant				
Heating Degree Days		27	.07		hdd
Total Plant Steam Flow		361	1.59		klbs
Steam Flow Per Heating Degree Day		13	3.4		klbs/hd
Total Condensate Return Water Flow		3	.7		klbs
Total Plant Gas Flow		411	.50		kscf
Total Plant Gas Cost		\$2,5	26.92		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,5	26.92		\$
Fuel Cost Per Heating Degree Day		\$93	3.33		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	26		\$/klbs
Total Plant Efficiency By I/O		86	5.1		%
Condensate Transfer Pump #1 Run Time	1	0	.0		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				
Fuel Oil Pump #1 Run Time			3.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	361.59	klbs
Gas Flow	1.61	0.00	3.64	406.25	kscf
Natural Gas Cost	\$9.86	\$0.00	\$22.35	\$2,494.70	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$9.86	\$0.00	\$22.35	\$2,494.70	\$
Average Steam Cost	***	-		\$6.90	\$/klbs
Efficiency By Losses	78.6	0.0	74.6	81.7	%
Efficiency By I/O	87.2				

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/29/2018 7:00 AM Daily Report

Description

Description					Units
	Plant				
Heating Degree Days			.12		hdd
Total Plant Steam Flow		310	),17		klbs
Steam Flow Per Heating Degree Day		27	7.9		klbs/hdc
Total Condensate Return Water Flow			.1		klbs
Total Plant Gas Flow		351	1.13		kscf
Total Plant Gas Cost		\$2,1	56.17		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,1	56.17		\$
Fuel Cost Per Heating Degree Day		\$19	3.85		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.62		\$/klbs
Total Plant Efficiency By I/O		86	5.5	Marian Carallana	%
Condensate Transfer Pump #1 Run Time			.0	1	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			3.5		hrs
Fuel Oil Pump #1 Run Time			3.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	310.17	klbs
Gas Flow	1.65	0.00	3.73	345.75	kscf
Natural Gas Cost	\$10.11    \$0.00    \$22.92    \$2,123.15				\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$10.11 \$0.00 \$22.92 \$2,123.15				
Average Steam Cost	\$6.85				
Efficiency By Losses	76.0 0.0 76.5 81.7				
Efficiency By I/O	87.9				

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/30/2018 7:00 AM Daily Report

Description

Description					
	Plant				
Heating Degree Days		12	.76		hdd
Total Plant Steam Flow		312	2.07		klbs
Steam Flow Per Heating Degree Day		24	1.5		klbs/hdd
Total Condensate Return Water Flow		5	.2		klbs
Total Plant Gas Flow		352	56		kscf
Total Plant Gas Cost	<del></del>	\$2,16	64.96		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,16	54.96		\$
Fuel Cost Per Heating Degree Day		\$16	9.71		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.54		\$/klbs
Total Plant Efficiency By I/O		86	5.7		%
				<u> </u>	hrs
Condensate Transfer Pump #1 Run Time	0.0				
Condensate Transfer Pump #2 Run Time			3,5		hrs 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	3.5		hrs
Fuel Oil Pump #1 Run Time		23	3.5		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	0.00	0.00	0.00	312.07	klbs
Gas Flow	1.61	0.00	4.26	346.68	kscf
Natural Gas Cost	\$9.91	\$0.00	\$26.17	\$2,128.89	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S
Total Fuel Cost	\$9.91	\$0.00	\$26.17	\$2,128,89	S
Average Steam Cost	\$6.82				
Efficiency By Losses	77.5 0.0 73.8 81.5				
Efficiency By I/O	88.2				
Mid-Atlantic Controls Corporation	Day Report				

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

12/31/2018 7:00 AM Daily Report

Description

Description					
	Plant				
Heating Degree Days		18.60			
Total Plant Steam Flow		322	2.37		klbs
Steam Flow Per Heating Degree Day		15	7.3		klbs/hdd
Total Condensate Return Water Flow		5	.0		klbs
Total Plant Gas Flow		362	2.40		kscf
Total Plant Gas Cost		\$2,2	25.41		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost	· · · · · · · · · · · · · · · · · · ·	\$0	.00		\$
Total Plant Fuel Cost		\$2,2	25.41		\$
Fuel Cost Per Heating Degree Day		\$11	9.65		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.37		\$/klbs
Total Plant Efficiency By I/O		87	7.1		%
Condensate Transfer Pump #1 Run Time		0	.0		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			3.5		hrs hrs
Fuel Oil Pump #1 Run Time			3.5		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.3	0.0	1.0	23.5	hrs
Steam Flow	0.00	0.00	0.00	322.37	klbs
Gas Flow	1.60	0.00	3.83	356.97	kscf
Natural Gas Cost	\$9.83	\$0.00	\$23.53	\$2,192.05	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$9.83	\$0.00	\$23.53	\$2,192.05	\$
Average Steam Cost				\$6.80	\$/klbs
Efficiency By Losses	74.0	0.0	76.5	81.6	%
Efficiency By I/O	88.4				
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Day Report