Heating Plant Day Operations Report

11/1/2019 7:00 AM Daily Report

Description

Description					Units	
		Plant				
Heating Degree Days			00		hdd	
Total Plant Steam Flow		214	1.64		klbs	
Steam Flow Per Heating Degree Day			••		klbs/hde	
Total Condensate Return Water Flow		9	.1		klbs	
Total Plant Gas Flow		256	6.57		kscf	
Total Plant Gas Cost		\$1,5	75.52		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,5	75.52		\$	
Fuel Cost Per Heating Degree Day		***************************************				
Plant Average Steam Cost Per Degree Day		-	-		\$/klbs	
Total Plant Efficiency By I/O		23.5				
Condensate Transfer Pump #1 Run Time		23	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			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.2	0.0	hrs	
Steam Flow	213.04	0.00	1.59	0.00	ktbs	
Gas Flow	254.49	0.00	2.08	0.00	kscf	
Natural Gas Cost	\$1,562.77	\$0.00	\$12.75	\$0.00	\$	
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	\$1,562.77	\$0.00	\$12.75	\$0.00	\$	
Average Steam Cost	\$7.34	30.00	\$8.00	\$0.00	\$/klbs	
Efficiency By Losses	81.2	0.0	0.0	0.0	%	
Efficiency By I/O	82.0	0,0	75.2	0,0	%	
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/2/2019 7:00 AM Daily Report

Description

		PI	ant		Units	
Heating Degree Days		17	.39		hdd	
Total Plant Steam Flow		253	3.05		klbs	
Steam Flow Per Heating Degree Day		14	4.5		klbs/hdd	
Total Condensate Return Water Flow		9	.1		klbs	
Total Plant Gas Flow		288	3.99		kscf	
Total Plant Gas Cost		\$1,7	74.59		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,7	74.59		\$	
Fuel Cost Per Heating Degree Day		\$10	2.03		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.40		\$/klbs	
Total Plant Efficiency By I/O		85.8				
Condensate Transfer Pump #1 Run Time		2;	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			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time	- Mills 9 - Mills or shall had been the shall had been the shall be shall b	2:	3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	253.05	0.00	0.00	0.00	klbs	
Gas Flow	288.99	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$1,774.59	\$0.00	\$0.00	\$0.00	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	\$1,774.59	\$0.00	\$0.00	\$0.00	\$	
Average Steam Cost	\$7.01		_	***	\$/klbs	
Efficiency By Losses	81.0	0.0	0.0	0.0	%	
Efficiency By I/O	85.8				%	
Mid-Atlantic Controls Corporation		av Report			Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/3/2019 7:00 AM Daily Report

Description

		Plant				
Heating Degree Days		19	.50		hdd	
Total Plant Steam Flow		256	5.03		klbs	
Steam Flow Per Heating Degree Day	13.1				klbs/hd	
Total Condensate Return Water Flow		9	.5		klbs	
Total Plant Gas Flow		290	0.89		kscf	
Total Plant Gas Cost		\$1,7	86.30		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fue! Cost		\$1,7	86.30		\$	
Fuel Cost Per Heating Degree Day		\$9	1.59		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	36		\$/klbs	
Total Plant Efficiency By I/O		86 2 24.5				
Condensate Transfer Pump #1 Run Time		2/	15		hrs	
Condensate Transfer Pump #2 Run Time			4.5		hrs	
Condensate Transfer Pump #3 Run Time			4.5		hrs	
Boiler Feed Pump #1 Run Time			4.5		hrs	
Boiler Feed Pump #2 Run Time			4.5		hrs	
Boiler Feed Pump #3 Run Time			1.5		hrs	
Boiler Feed Pump #4 Run Time			1.5		hrs	
Fuel Oil Pump #1 Run Time			0		hrs	
Fuel Oil Pump #2 Run Time			4.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	24.5	0.0	0.0	0.0	hrs	
Steam Flow	256.03	0.00	0.00	0.00	klbs	
Gas Flow	290.89	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$1,786.30	\$0.00	\$0.00	\$0.00	\$	
Oil Flow					gals	
Oil Cost	\$0.00	0.0 0.0 0.0 0.0 \$0.00 \$0.00 \$0.00				
Total Fuel Cost	\$1,786.30	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$ S	
Average Steam Cost	\$6.98	\$0.00	Φυ.υυ		\$/klbs	
Efficiency By Losses	81.1	0.0	0.0	0.0	%	
Efficiency By I/O	86.2	0.0	0.0	υ.υ	%	
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/4/2019 7:00 AM Daily Report

Description

		Plant					
Heating Degree Days			.54		Units		
Total Plant Steam Flow			5.41		klbs		
Steam Flow Per Heating Degree Day			2.0		klbs/hd		
Total Condensate Return Water Flow			.1		klbs		
Total Plant Gas Flow			7.94		kscf		
Total Plant Gas Cost			06.78		\$		
Total Plant Oil Flow			.0		gals		
Total Plant Oil Cost			.00		\$		
Total Plant Fuel Cost			06.78		\$		
Fuel Cost Per Heating Degree Day			3.10		\$/hdd		
Plant Average Steam Cost Per Degree Day					\$/klbs		
Total Plant Efficiency By I/O		\$0.34 86.8					
Condensate Transfer Pump #1 Run Time		23	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			3.5		hrs		
Fuel Oil Pump #1 Run Time					hrs		
Fuel Oil Pump #2 Run Time		0.0 23.5					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	23.5	0.0	0.0	0.0	hrs		
Steam Flow	246.41	0.00	0.00	0.00	klbs		
Gas Flow	277.94	0.00	0.00	0.00	kscf		
Natural Gas Cost	\$1,706.78	\$0.00	\$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	\$1,706.78						
Average Steam Cost	\$6.93		φο.σο	40.00	\$ \$/klbs		
Efficiency By Losses	81.0	0.0	0.0	0.0	%		
Efficiency By I/O	86.8	0.0	5.5	0.0	%		
Mid-Atlantic Controls Corporation		ay Report			Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/5/2019 7:00 AM Daily Report

Description

Description						
		Plant				
Heating Degree Days		19	.87		hdd	
Total Plant Steam Flow		300	0.54		klbs	
Steam Flow Per Heating Degree Day		1.	5.1		klbs/hdd	
Total Condensate Return Water Flow		8	.7		klbs	
Total Plant Gas Flow		333	2.95		kscf	
Total Plant Gas Cost		\$2,0	44.58		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,0	44,58		\$	
Fuel Cost Per Heating Degree Day		\$10	2.88		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.34		\$/klbs	
Total Plant Efficiency By I/O		88.4				
Condensate Transfer Pump #1 Run Time		2:	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			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	300.54	0.00	0.00	0.00	klbs	
Gas Flow	332.95	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$2,044.58	\$0.00	\$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	\$2,044.58	\$0.00	\$0.00	\$0.00	\$	
Average Steam Cost	\$6.80			\$0.00	\$/klbs	
Efficiency By Losses	81.2	0.0	0.0	0.0	%	
Efficiency By I/O	88.4	0.0	0.0	0.0	%	
Mid-Atlantic Controls Corporation		av Report			Page 1 of 1	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/6/2019 7:00 AM Daily Report

Description

N2		Pk	ant		Units
Heating Degree Days		9.	13		hdd
Total Plant Steam Flow		274	4.71		klbs
Steam Flow Per Heating Degree Day		30	0.1		klbs/hd
Total Condensate Return Water Flow		8	.9		klbs
Total Plant Gas Flow		307	7.03		kscf
Total Plant Gas Cost		\$1,88	85.38		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,8	85.38		\$
Fuel Cost Per Heating Degree Day		\$20	6.56		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.75		\$/klbs
Total Plant Efficiency By I/O		23.5			
Condensate Transfer Pump #1 Run Time		23	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			3.5		hrs
Fuel Oil Pump #1 Run Time			0		hrs
Fuel Oil Pump #2 Run Time			3.5		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.5	0.0	0.0	0.0	hrs
Steam Flow	274.71	0.00	0.00	0.00	klbs
Gas Flow	307.03	0.00	0.00	0.00	kscf
Natural Gas Cost	\$1,885.38	\$0.00	\$0.00	\$0.00	\$
Oil Flow	0.0				
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals \$
Total Fuel Cost	\$1,885.38	\$0.00	\$0.00	\$0.00	S
Average Steam Cost	\$6.86			70.00	\$/klbs
Efficiency By Losses	81.2	0.0	0.0	0.0	%
Efficiency By I/O	87.6	0.0	0.0	0.0	%
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/7/2019 7:00 AM Daily Report

Description

Description		<u>-</u>			
	Plant				
Heating Degree Days		16	.03		hdd
Total Plant Steam Flow		290	0.71		klbs
Steam Flow Per Heating Degree Day		18	3,1		klbs/hdd
Total Condensate Return Water Flow		8	.8		klbs
Total Plant Gas Flow		323	3.17		kscf
Total Plant Gas Cost		\$1,9	84.48		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,9	84.48		\$
Fuel Cost Per Heating Degree Day		\$12	3.76		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.43		\$/klbs
Total Plant Efficiency By I/O		88	3.1		%
Condensate Transfer Pump #1 Run Time			3.5		hrs
Condensate Transfer Pump #2 Run Time			3.5		hrs
Condensate Transfer Pump #3 Run Time		23	3.5		hrs
Boiler Feed Pump #1 Run Time			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		0	.0		hrs
Fuel Oil Pump #2 Run Time		23	3.5		hrs
	Dellar 4	Boiler 2	Dellar 2	Boiler 4	Units
Run Time	Boiler 1 23.5	0.0	Boiler 3 0.0		
Steam Flow	290.71		0.00	0.0	hrs
Gas Flow		0.00			klbs
	323.17	0.00	0.00	0.00	kscf
Natural Gas Cost	\$1,984.48	\$0.00	\$0.00	\$0.00	\$ gals
Oil Flow		0.0 0.0 0.0 0.0			
Oil Cost		\$0.00 \$0.00 \$0.00			
Total Fuel Cost		\$1,984.48 \$0.00 \$0.00 \$0.00			
Average Steam Cost	\$6.83				\$/klbs
Efficiency By Losses	81.1	0.0	0,0	0.0	%
Efficiency By I/O	88.1			1	%
Mid-Atlantic Controls Corporation	Da	ay Report			Page 1 of

Heating Plant Day Operations Report

11/8/2019 7:00 AM Daily Report

Description

		Plant					
Heating Degree Days		13	.63		hdd		
Total Plant Steam Flow		280	3.45		klbs		
Steam Flow Per Heating Degree Day		20	0.6		klbs/hd		
Total Condensate Return Water Flow		8	.9		klbs		
Total Plant Gas Flow		313	3.01		kscf		
Total Plant Gas Cost		\$1,9	22.09		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,9	22.09		\$		
Fuel Cost Per Heating Degree Day		\$14	1.01		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.50		\$/klbs		
Total Plant Efficiency By I/O		87.7					
Condensate Transfer Pump #1 Run Time		23.5					
Condensate Transfer Pump #2 Run Time					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		2:	3.5		hrs		
Boiler Feed Pump #4 Run Time	-		3.5		hrs		
Fuel Oil Pump #1 Run Time			.0		hrs		
Fuet Oil Pump #2 Run Time			3.5		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	23.5	0.0	0.0	0.0	hrs		
Steam Flow	280.45	0.00	0.00	0.00	klbs		
Gas Flow	313.01	0.00	0.00	0.00	kscf		
Natural Gas Cost	\$1,922.09	\$0.00	\$0.00	\$0.00	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	+					
Total Fuel Cost	\$1,922.09	\$0.00	\$0.00	\$0.00	\$ \$		
Average Steam Cost	\$6.85				\$/klbs		
Efficiency By Losses	81.2	0.0	0.0	0.0	%		
Efficiency By I/O	87.7				%		
Mid-Atlantic Controls Corporation		av Report			Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/9/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days		23	.88		hdd		
Total Plant Steam Flow		323	3.93		klbs		
Steam Flow Per Heating Degree Day	**************************************	13	3.6		klbs/hd		
Total Condensate Return Water Flow		8	.4		klbs		
Total Plant Gas Flow		356	6.57		kscf		
Total Plant Gas Cost		\$2,1	89.62		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost	**************************************	\$2,1	89.62		\$		
Fuel Cost Per Heating Degree Day		\$9*	1.68		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.28		\$/klbs		
Total Plant Efficiency By I/O	89.0				%		
Condensate Transfer Pump #1 Run Time		23.5					
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		23	3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fuel Oil Pump #1 Run Time		0	.0		hrs		
Fuel Oil Pump #2 Run Time		23	3.5	7	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	23.5	0.0	0.0	0.0	hrs		
Steam Flow	323.93	0.00	0.00	0.00	klbs		
Gas Flow	356.57	0.00	0.00	0.00	kscf		
Natural Gas Cost	\$2,189.62	\$0.00	\$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	\$2,189.62	\$0.00	\$0.00	\$0.00	\$		
Average Steam Cost	\$6.76		***		\$/klbs		
Efficiency By Losses	81.1	0.0	0.0	0.0	%		
Efficiency By I/O	89.0				%		

Heating Plant Day Operations Report

11/10/2019 7:00 AM Daily Report

		Pla	ant		Units
Heating Degree Days		28	.15		hdd
Total Plant Steam Flow		311	.22		klbs
Steam Flow Per Heating Degree Day		11	1.1		klbs/hde
Total Condensate Return Water Flow		8	.6		klbs
Total Plant Gas Flow		343	3.42		kscf
Total Plant Gas Cost		\$2,10	08.83		S
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,11	08.83		S
Fuel Cost Per Heating Degree Day		\$74	1.92		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	24		\$/klbs
Total Plant Efficiency By I/O		88	3.7		%
Condensate Transfer Pump #1 Run Time		23	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			3.5		hrs
Fuel Oil Pump #1 Run Time			.0		hrs
Fuet Oil Pump #2 Run Time			3.5		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.5	0.0	0.0	0.0	hrs
Steam Flow	311.22	0.00	0.00	0.00	klbs
Gas Flow	343.42	0.00	0.00	0.00	kscf
Natural Gas Cost	\$2,108.83	\$0.00	\$0.00	\$0.00	S
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00				
Total Fuel Cost	\$2,108.83				
Average Steam Cost	\$6.78		***		\$ \$/kibs
Efficiency By Losses	81.2	0.0	0.0	0.0	%
Efficiency By I/O	88.7	717		V V	%

Heating Plant Day Operations Report

11/11/2019 7:00 AM Daily Report

		Pl	ant		Units	
Heating Degree Days		20	.19		hdd	
Total Plant Steam Flow		284	1.82		kibs	
Steam Flow Per Heating Degree Day		14	4,1		klbs/hdd	
Total Condensate Return Water Flow		9	.4		klbs	
Total Plant Gas Flow		320	0.45		kscf	
Total Plant Gas Cost		\$1,9	67.82		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fue! Cost		\$1,9	67.82		\$	
Fuel Cost Per Heating Degree Day		\$97	7.48		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.34		\$/klbs	
Total Plant Efficiency By I/O		87	7.0		%	
Condensate Transfer Pump #1 Run Time		23	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			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	284.82	0.00	0.00	0.00	klbs	
Gas Flow	320.45	0.00	0.00	0.00	kscf	
Naturai Gas Cost	\$1,967.82	\$0.00	\$0.00	\$0.00	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00					
Total Fuel Cost	\$1,967.82					
Average Steam Cost	\$6.91			trans.	\$ \$/klbs	
Efficiency By Losses	81.2	0.0	0.0	0.0	%	
Efficiency By I/O	87.0			-	%	

Heating Plant Day Operations Report

11/12/2019 7:00 AM Daily Report

		PI	ant		Units	
Heating Degree Days		12	.24		hdd	
Total Plant Steam Flow		270	0.45		klbs	
Steam Flow Per Heating Degree Day		22	2.1		klbs/hd	
Total Condensate Return Water Flow		9	.4		klbs	
Total Plant Gas Flow		304	4.90		kscf	
Total Plant Gas Cost		\$1,8	72.33		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,8	72.33		\$	
Fuel Cost Per Heating Degree Day		\$15	2.92		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.57		\$/klbs	
Total Plant Efficiency By I/O		86	3.9		%	
Condensate Transfer Pump #1 Run Time		23.5				
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		0	0.0		hrs	
Fuel Oil Pump #2 Run Time		23	3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	270.45	0.00	0.00	0.00	klbs	
Gas Flow	304.90	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$1,872.33	\$0.00	\$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	\$1,872.33	\$0.00	\$0.00	\$0.00	\$	
Average Steam Cost	\$6.92		***		\$/klbs	
Efficiency By Losses	81.2	0.0	0.0	0.0	%	
Efficiency By I/O	86.9				%	

Heating Plant Day Operations Report

11/13/2019 7:00 AM Daily Report

Description

		Plant				
Heating Degree Days		24	.48		hdd	
Total Plant Steam Flow		340	0.73		klbs	
Steam Flow Per Heating Degree Day		13	3.9		klbs/hdd	
Total Condensate Return Water Flow		8	.8		klbs	
Total Plant Gas Flow		381	1.09		kscf	
Total Plant Gas Cost		\$2,34	40.21		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,34	40.21		S	
Fuel Cost Per Heating Degree Day		\$95	5.59		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	28		\$/klbs	
Total Plant Efficiency By I/O		87	7.6		%	
Condensate Transfer Duran #4 Duran Trans					hrs	
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time	23.5					
Condensate Transfer Pump #3 Run Time	23.5					
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			.0		hrs	
Fuel Oil Pump #2 Run Time		23	3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	340.73	0.00	0.00	0.00	klbs	
Gas Flow	381.09	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$2,340.21	\$0.00	\$0.00	\$0.00	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	\$2,340.21	\$0.00	\$0.00	\$0.00	S	
Average Steam Cost	\$6.87	***			\$/klbs	
Efficiency By Losses	81.1	0.0	0.0	0.0	%	
Efficiency By I/O	87.6	7/-			%	
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/14/2019 7:00 AM Daily Report

			Units		
Heating Degree Days	36 24				
Total Plant Steam Flow	361.84				
Steam Flow Per Heating Degree Day		10	0.0		klbs/hd
Total Condensate Return Water Flow		8	3.4		klbs
Total Plant Gas Flow		414	4.28		kscf
Total Plant Gas Cost		\$2,5	43.99		\$
Total Plant Oil Flow		0	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost]	\$2,5	43.99		\$
Fuel Cost Per Heating Degree Day		\$70	0.19		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	19		\$/klbs
Total Plant Efficiency By I/O		8:	5.5		%
Condensate Transfer Pump #1 Run Time		2:	3.5		hrs
Condensate Transfer Pump #2 Run Time			3.5		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		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			0.0		hrs
Fuel Oil Pump #2 Run Time	23.5				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.5	0.0	0.0	0.0	hrs
Steam Flow	361.84	0.00	0.00	0.00	klbs
Gas Flow	414.28	0.00	0.00	0.00	kscf
Natural Gas Cost	\$2,543.99	\$0.00	\$0.00	\$0.00	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	\$2,543.99	\$0.00	\$0.00	\$0.00	S
Average Steam Cost	\$7.03				\$/klbs
Efficiency By Losses	81.1	0.0	0.0	0.0	%
Efficiency By I/O	85.5				%

Heating Plant Day Operations Report

11/15/2019 7:00 AM Daily Report

Description

	Plant Plant					
Heating Degree Days		33	.50		hdd	
Total Plant Steam Flow		358	3.84		klbs	
Steam Flow Per Heating Degree Day		10	0.7		klbs/hdd	
Total Condensate Return Water Flow		8	.1		klbs	
Total Plant Gas Flow		409	9.86		kscf	
Total Plant Gas Cost		\$2,5	16.83		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,5	16.83		\$	
Fuel Cost Per Heating Degree Day		\$75	5.14		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.21		\$/klbs	
Total Plant Efficiency By I/O		85	5.7		%	
Condensate Transfer Pump #1 Run Time		2:	3.5	<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		2:	3.5		hrs	
Fuel Oil Pump #1 Run Time		0	.0		hrs	
Fuel Oil Pump #2 Run Time		2:	3.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.0	hrs	
Steam Flow	358.84	0.00	0.00	0.00	klbs	
Gas Flow	409.86	0.00	0.00	0.00	kscf	
Natural Gas Cost	\$2,516.83	\$0.00	\$0.00	\$0.00	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	\$2,516.83	\$0.00	\$0.00	\$0.00	\$	
Average Steam Cost	\$7.01				\$/klbs	
Efficiency By Losses	81.2	0.0	0.0	0.0	%	
Efficiency By I/O	85.7				%	
Mid-Atlantic Controls Corporation		av Report			Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/16/2019 7:00 AM Daily Report

	Plant						
Heating Degree Days		23,	45		hdd		
Total Plant Steam Flow		337	.37		klbs		
Steam Flow Per Heating Degree Day		14	.4		klbs/hd		
Total Condensate Return Water Flow		8.	4		klbs		
Total Plant Gas Flow		441	.94		kscf		
Total Plant Gas Cost		\$2,71	3.87		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,71	3.87		\$		
Fuel Cost Per Heating Degree Day		\$11!	5.75		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	34		\$/klbs		
Total Plant Efficiency By I/O		74	.8		%		
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			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		
ant Average Steam Cost Per Degree Day ant Average Steam Cost Per Degree Day atal Plant Efficiency By I/O andensate Transfer Pump #1 Run Time andensate Transfer Pump #2 Run Time andensate Transfer Pump #3 Run Time biler Feed Pump #1 Run Time biler Feed Pump #2 Run Time biler Feed Pump #3 Run Time biler Feed Pump #4 Run Time biler Feed Pump #4 Run Time biler Oil Pump #1 Run Time biler Oil Pump #1 Run Time biler Oil Pump #2 Run Time	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	5.0	21.4	0.0	1.6	hrs		
Steam Flow	72.55	264.65	0.00	0.16	klbs		
Gas Flow	82.89	347.56	0.00	11.49	kscf		
Natural Gas Cost	\$509.00	\$2,134.29	\$0.00	\$70.58	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$509.00	\$2,134.29	\$0.00	\$70.58	\$		
Average Steam Cost	\$7.02	\$8.06	444	\$439.43	\$/klbs		
Efficiency By Losses	0.0	79.9	0.0	78.8	%		
Efficiency By I/O	85.7	74.6		1.4	%		

Heating Plant Day Operations Report

11/17/2019 7:00 AM Daily Report

Description

		Plant				
Heating Degree Days		23.	45		hdd	
Total Plant Steam Flow		347	.24		klbs	
Steam Flow Per Heating Degree Day		14	.8		klbs/hdd	
Total Condensate Return Water Flow		8.	5		klbs	
Total Plant Gas Flow		442	.92		kscf	
Total Plant Gas Cost		\$2,71	9.88		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,71	9.88		\$	
Fuel Cost Per Heating Degree Day		\$11	5.96		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	33		\$/klbs	
Total Plant Efficiency By I/O	76.8					
Condensate Transfer Pump #1 Run Time		23			16	
Condensate Transfer Pump #7 Run Time Condensate Transfer Pump #2 Run Time					hrs	
		23			hrs	
Condensate Transfer Pump #3 Run Time Boiler Feed Pump #1 Run Time		23			hrs	
		23			hrs	
Boiler Feed Pump #2 Run Time Boiler Feed Pump #3 Run Time		23			hrs	
	·	23			hrs	
Boiler Feed Pump #4 Run Time Fuel Oil Pump #1 Run Time		23			hrs	
		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	347.24	0.00	0.00	klbs	
Gas Flow	0.00	438.99	0.00	3.93	kscf	
Natural Gas Cost	\$0.00	\$2,695.73	\$0.00	\$24.15	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$2,695.73	\$0.00	\$24.15	\$	
Average Steam Cost	_	\$7.76	***		\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	78.7	%	
Efficiency By I/O		77.5			%	
Mid-Atlantic Controls Corporation	Г	av Renort			Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/18/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		23.	58		hdd	
Total Plant Steam Flow		332	.13		klbs	
Steam Flow Per Heating Degree Day		14	.1		klbs/ho	
Total Condensate Return Water Flow		8.	8		klbs	
Total Plant Gas Flow		424	.98		↑ kscf	
Total Plant Gas Cost		\$2,60	9.67		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,60	9.67		\$	
Fuel Cost Per Heating Degree Day		\$110	0.68		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	33		\$/klbs	
Total Plant Efficiency By I/O		76	.5		%	
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		23			hrs	
Boiler Feed Pump #4 Run Time		23			hrs	
Fuel Oil Pump #1 Run Time		23			hrs	
Fuet Oil Pump #2 Run Time	1-77-12-57-13-43-43-43-43-43-43-43-43-43-43-43-43-43	23			hrs	
rdei Oil Failip #2 Kull Taile			.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	332.13	0.00	0.00	klbs	
Gas Flow	0.00	421.77	0.00	3.20	kscf	
Natural Gas Cost	\$0.00	\$2,589.99	\$0.00	\$19.68	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$2,589.99	\$0.00	\$19.68	\$	
Average Steam Cost		\$7,80	***	***	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	74.8	%	
Efficiency By I/O		77.1			%	

Heating Plant Day Operations Report

11/19/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		. 19.	77		hdd	
Total Plant Steam Flow	<u></u>	321	.51		klbs	
Steam Flow Per Heating Degree Day		16	.3		klbs/hd	
Total Condensate Return Water Flow		8.	5		klbs	
Total Plant Gas Flow		411	.88		kscf	
Total Plant Gas Cost		\$2,52	9.23		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,52	9.23		\$	
Fuel Cost Per Heating Degree Day		\$127	7.94		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	40		\$/klbs	
Total Plant Efficiency By I/O		76	.4		%	
Condensate Transfer Pump #1 Run Time		23	E		hrs	
Condensate Transfer Pump #2 Run Time		23			hrs	
		23			hrs	
Condensate Transfer Pump #3 Run Time		23				
Boiler Feed Pump #1 Run Time					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	5.5		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	321.51	0.00	0.00	klbs	
Gas Flow	0.00	408.61	0.00	3.27	kscf	
Natural Gas Cost	\$0.00	\$2,509.15	\$0.00	\$20.08	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$2,509.15	\$0.00	\$20.08	\$	
Average Steam Cost		\$7.80	•••	***	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	81.3	%	
Efficiency By I/O		77.1			%	

Heating Plant Day Operations Report

11/20/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		19.	68		hdd	
Total Plant Steam Flow		326	.72		klbs	
Steam Flow Per Heating Degree Day		16	5.6		klbs/hd	
Total Condensate Return Water Flow		8.	7		klbs	
Total Plant Gas Flow		416	.92		kscf	
Total Plant Gas Cost		\$2,56	60.22		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,56	60.22		\$	
Fuel Cost Per Heating Degree Day		\$130			\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	40		\$/klbs	
Total Plant Efficiency By I/O		76	.7		%	
Condensate Transfer Pump #1 Run Time		23	5.5		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	to the of	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	326.72	0.00	0.00	klbs	
Gas Flow	0.00	413.14	0.00	3.78	kscf	
Natural Gas Cost	\$0.00	\$2,537.01	\$0.00	\$23.21	S	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S	
Fotal Fuel Cost	\$0.00	\$2,537.01	\$0.00	\$23.21	S	
Average Steam Cost	70.00	\$7.77	40.00	Ψ23.21	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	76.3	%	
Efficiency By I/O		77.4	V.U	70.0	%	

Heating Plant Day Operations Report

11/21/2019 7:00 AM Daily Report

	Plant						
Heating Degree Days		20.	16		hdd		
Total Plant Steam Flow		322	.43		klbs		
Steam Flow Per Heating Degree Day		16	.0		klbs/hd		
Total Condensate Return Water Flow		8.	8		klbs		
Total Plant Gas Flow		410	.19		kscf		
Total Plant Gas Cost		\$2,51	8.87		\$		
Total Plant Oil Flow		0.	0		gals		
Total Plant Oil Cost		\$0.	00		\$		
Total Plant Fuel Cost		\$2,51	8.87		\$		
Fuel Cost Per Heating Degree Day		\$124	1.96		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0.	39		\$/klbs		
Total Plant Efficiency By I/O		77	.0		%		
Condensate Transfer Pump #1 Run Time		77.0 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	0.5	hrs		
Steam Flow	0.00	322.43	0.00	0.00	klbs		
Gas Flow	0.00	406.58	0.00	3.61	kscf		
Natural Gas Cost	\$0.00	\$2,496.71	\$0.00	\$22.16	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$0.00	\$2,496.71	\$0.00	\$22.16	S		
Average Steam Cost	_	\$7.74	•••		\$/klbs		
Efficiency By Losses	0.0	79.9	0.0	73.7	%		
Efficiency By I/O		77.7			%		

Heating Plant Day Operations Report

11/22/2019 7:00 AM Daily Report

Description

	Plant					
Heating Degree Days	Ĭ	22.	80		hdd	
Total Plant Steam Flow		312	.58		klbs	
Steam Flow Per Heating Degree Day	19-6-6-	13	.7		klbs/hdc	
Total Condensate Return Water Flow		8.	8		klbs	
Total Plant Gas Flow	++==-6 6++malet-0-+6+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+	391	.69		kscf	
Total Plant Gas Cost		\$2,40)5.25		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,40)5.25		\$	
Fuel Cost Per Heating Degree Day		\$10	5.50		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	34		\$/klbs	
Total Plant Efficiency By I/O		78	3.2		%	
						
Condensate Transfer Pump #1 Run Time		23			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	<u></u>	0.	0		hrs	
Fuel Oil Pump #2 Run Time		23	5.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4 0.4 0.00 2.46 \$15.11 0.0 \$0.00 \$15.11 -75.2	Units	
Run Time	0.0	23.5	0.0		hrs	
Steam Flow	0.00	312.58	0.00	0.00	klbs	
Gas Flow	0.00	389.23	0.00	2.46	kscf	
Natural Gas Cost	\$0.00	\$2,390.14	\$0.00	\$15.11	S	
Oil Flow	0.0	0.0	0.0		gals	
Oil Cost	\$0.00	\$0.00	\$0.00		\$	
Total Fuel Cost	\$0.00	\$2,390.14	\$0.00		S	
Average Steam Cost		\$7.65	•••		\$/klbs	
Efficiency By Losses	0.0	79.9	0.0		%	
Efficiency By I/O		78.6			%	
Mid-Atlantic Controls Corporation		av Report			Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/23/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		11,	29		hdd	
Total Plant Steam Flow		310	.12		klbs	
Steam Flow Per Heating Degree Day		27	.5		klbs/hdd	
Total Condensate Return Water Flow		8.	7		klbs	
Total Plant Gas Flow		384	.95		kscf	
Total Plant Gas Cost		\$2,36	3.88		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,36	3.88		\$	
Fuel Cost Per Heating Degree Day		\$209	9.31		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	67		\$/klbs	
Total Plant Efficiency By I/O	78.9					
- · · · · · · · · · · · · · · · · · · ·	•	<u>"</u>				
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		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	310.12	0.00	0.00	klbs	
Gas Flow	0.00	381.64	0.00	3.31	kscf	
Natural Gas Cost	\$0.00	\$2,343.53	\$0.00	\$20.35	\$	
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	\$2,343.53	\$0.00	\$20.35	\$	
Average Steam Cost		\$7.56	•••	downle	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	75.9	%	
Efficiency By I/O		79.6			%	

Heating Plant Day Operations Report

11/24/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		24.	21		hdd	
Total Plant Steam Flow		319	.63		klbs	
Steam Flow Per Heating Degree Day		13	1.2		klbs/hd	
Total Condensate Return Water Flow		8.	8		klbs	
Total Plant Gas Flow		394	.99	··	kscf	
Total Plant Gas Cost		\$2,42	25.55		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,42	25.55		\$	
Fuel Cost Per Heating Degree Day		\$100	0.21		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	31		\$/klbs	
Total Plant Efficiency By I/O		79	.2		%	
Condensate Transfer Pump #1 Run Time		23	3.5		hrs	
Condensate Transfer Pump #2 Run Time		23	3.5		hrs	
Condensate Transfer Pump #3 Run Time		23	5.5		hrs	
Boiler Feed Pump #1 Run Time		23	3.5		hrs	
Boiler Feed Pump #2 Run Time		23	1.5		hrs	
Boiler Feed Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #4 Run Time		23	1.5		hrs	
Fuel Oil Pump #1 Run Time		0.	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	0.2	hrs	
Steam Flow	0.00	319.63	0.00	0.00	klbs	
Gas Flow	0.00	393.60	0.00	1.39	kscf	
Natural Gas Cost	\$0.00	\$2,417.02	\$0.00	\$8.53	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$2,417.02	\$0.00	\$8.53	\$	
Average Steam Cost		\$7.56	•••		\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	0.0	%	
Efficiency By I/O		79.5			%	

Heating Plant Day Operations Report

11/25/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	19.98					
Total Plant Steam Flow	319.25				klbs	
Steam Flow Per Heating Degree Day	16.0				klbs/hd	
Total Condensate Return Water Flow		8.	8		klbs	
Total Plant Gas Flow		395	.28		kscf	
Total Plant Gas Cost		\$2,42	7.29		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,42	7.29		\$	
Fuel Cost Per Heating Degree Day		\$12	1.50		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	38		\$/klbs	
Total Plant Efficiency By I/O		79	.1		%	
Condensate Transfer Pump #1 Run Time	1	22	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						
Fuel Oil Pump #1 Run Time	23.5					
Fuel Oil Pump #2 Run Time		23			hrs	
r del Oil Fullip #2 Null Tillie		23	.5		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.0	23.5	0,0	0.0	hrs	
Steam Flow	0.00	319,25	0.00	0.00	klbs	
Gas Flow	0.00	395.28	0.00	0.00	kscf	
Natural Gas Cost	\$0.00	\$2,427.29	\$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	\$0.00	\$2,427.29	\$0.00	\$0.00	\$	
Average Steam Cost		\$7.60	•••	_	\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	0.0	%	
Efficiency By I/O	79.1					

Heating Plant Day Operations Report

11/26/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	22.26					
Total Plant Steam Flow	328.23				klbs	
Steam Flow Per Heating Degree Day	14.7				klbs/hd	
Total Condensate Return Water Flow	8.5				klbs	
Total Plant Gas Flow		410	.93		kscf	
Total Plant Gas Cost		\$2,52	23.42		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost	\$0.00					
Total Plant Fuel Cost		\$2,52	3.42		\$	
Fuel Cost Per Heating Degree Day		\$113	3.37		\$/hdd	
Plant Average Steam Cost Per Degree Day	\$0.35					
Total Plant Efficiency By I/O		78	.2		%	
Condensate Transfer Pump #1 Run Time		23	.5		hrs	
Condensate Transfer Pump #2 Run Time		23	.5		hrs	
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	23.5				hrs	
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	0.0					
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	1,1	hrs	
Steam Flow	0.00	328.23	0.00	0.00	klbs	
Gas Flow	0.00	403.65	0.00	7.28	kscf	
Natural Gas Cost	\$0.00	\$2,478.72	\$0.00	\$44.70	\$	
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	\$2,478.72	\$0.00	\$44.70	\$	
Average Steam Cost	-	\$7.55	***		\$/klbs	
Efficiency By Losses	0.0	80.0	0.0	77.5	%	
Efficiency By I/O		79.6			%	

Heating Plant Day Operations Report

11/27/2019 7:00 AM Daily Report

Description

	Plant					
Heating Degree Days	17.72				hdd	
Total Plant Steam Flow	298.78				klbs	
Steam Flow Per Heating Degree Day	16.9				klbs/hdc	
Total Condensate Return Water Flow		8	.7		klbs	
Total Plant Gas Flow		369	9.91		kscf	
Total Plant Gas Cost		\$2,2	71.50		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost	\$0.00				\$	
Total Plant Fuel Cost		\$2,2	71.50		\$	
Fuel Cost Per Heating Degree Day		\$12	8.22		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.43		\$/klbs	
Total Plant Efficiency By I/O	79.1					
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time	23.5					
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					
Boiler Feed Pump #3 Run Time	23.5					
Boiler Feed Pump #4 Run Time	23.5					
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	298.78	0.00	0.00	klbs	
Gas Flow	0.00	367.40	0.00	2.50	kscf	
Natural Gas Cost	\$0.00	\$2,256.12	\$0.00	\$15.38	\$	
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	\$2,256.12	\$0.00	\$15.38	\$	
Average Steam Cost	***	\$7.55	***	_	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	79.1	%	
Efficiency By I/O	79.6					
Mid-Atlantic Controls Corporation	fid-Atlantic Controls Corporation Day Report					

Day Report

Heating Plant Day Operations Report

11/28/2019 7:00 AM Daily Report

Description

	Plant					
Heating Degree Days	13.33					
Total Plant Steam Flow	303.46				klbs	
Steam Flow Per Heating Degree Day		22	2.8		klbs/hdc	
Total Condensate Return Water Flow		8	.7		klbs	
Total Plant Gas Flow		377	.27		kscf	
Total Plant Gas Cost		\$2,3	16.74		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,3	16.74		\$	
Fuel Cost Per Heating Degree Day		\$17	3.84	Marie Magnities 11	\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.57		\$/klbs	
Total Plant Efficiency By I/O		78	3.8		%	
Condensate Transfer Pump #1 Run Time	23.5					
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		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	303.46	0.00	0.00	klbs	
Gas Flow	0.00	373.69	0.00	3.59	kscf	
Natural Gas Cost	\$0.00	\$2,294.72	\$0.00	\$22.02	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	\$2,294.72	\$0.00	\$22.02	S	
Average Steam Cost		\$7.56		722.02	\$/klbs	
Efficiency By Losses	0.0	79.9	0.0	75.4	%	
Efficiency By I/O		79.5		10.1	%	
Mid-Atlantic Controls Corporation						

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/29/2019 7:00 AM Daily Report

Description

Description		DI.			Units
Haatiaa Baasa Baasa	Plant				
Heating Degree Days	18.41 313.82				hdd
Total Plant Steam Flow					klbs
Steam Flow Per Heating Degree Day		17			klbs/hdd
Total Condensate Return Water Flow		8.			klbs
Total Plant Gas Flow			2.63		kscf
Total Plant Gas Cost		\$2,47			\$ gals
Total Plant Oil Flow	0.0				
Total Plant Oil Cost		\$0.			\$
Total Plant Fuel Cost		\$2,47			\$
Fuel Cost Per Heating Degree Day		\$134			\$/hdd
Plant Average Steam Cost Per Degree Day		\$0.			\$/klbs
Total Plant Efficiency By I/O	76.3				%
Continue Transfer Continue M. Continue Transfer					hrs
Condensate Transfer Pump #1 Run Time	23.5				
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		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	313.82	0.00	0.00	klbs
Gas Flow	0.00	398.97	0.00	3.66	kscf
Natural Gas Cost	\$0.00	\$2,449.96	\$0.00	\$22.50	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	\$2,449.96	\$0.00	\$22.50	s
Average Steam Cost		\$7.81		_	\$/klbs
Efficiency By Losses	0.0	79.8	0.0	77.2	%
Efficiency By I/O		77.0	J. J	11144	%
Mid-Atlantic Controls Corporation	Day Report				

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

11/30/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	21.91					
Total Plant Steam Flow	309.98				klbs	
Steam Flow Per Heating Degree Day		14	.2		klbs/hde	
Total Condensate Return Water Flow		8.	8		klþs	
Total Plant Gas Flow		400	.99		kscf	
Total Plant Gas Cost		\$2,46	52.37		\$	
Total Plant Oil Flow		0.	0		gals	
Total Plant Oil Cost		\$0.	00		\$	
Total Plant Fuel Cost		\$2,46	52.37		\$	
Fuel Cost Per Heating Degree Day	· · · · · · · · · · · · · · · · · · ·	\$11:	2.41		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0.	36		\$/klbs	
Total Plant Efficiency By I/O		75	5.7		%	
Condensate Transfer Pump #1 Run Time	·····	23	-		I to ma	
Condensate Transfer Pump #1 Run Time Condensate Transfer Pump #2 Run Time					hrs	
Condensate Transfer Pump #2 Run Time Condensate Transfer Pump #3 Run Time	23.5					
	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	309.98	0.00	0.00	klbs	
Gas Flow	0.00	397.35	0.00	3.64	kscf	
Natural Gas Cost	\$0.00	\$2,440.00	\$0.00	\$22.36	\$	
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	\$2,440.00	\$0.00	\$22.36	\$	
Average Steam Cost		\$7.87			\$/klbs	
Efficiency By Losses	0.0	79.8	0.0	77.4	%	
Efficiency By I/O		76.4			%	