Heating Plant Day Operations Report

10/1/2019 7:00 AM Daily Report

Description

Description					
		P	ant		Units
Heating Degree Days		0	.00		hdd
Total Plant Steam Flow		15	2.47		klbs
Steam Flow Per Heating Degree Day			***		klbs/hdc
Total Condensate Return Water Flow		9	9.1		klbs
Total Plant Gas Flow		19	2.36		kscf
Total Plant Gas Cost		\$1,1	81.23		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,1	81.23		S
Fuel Cost Per Heating Degree Day		-			\$/hdd
Plant Average Steam Cost Per Degree Day					\$/klbs
Total Plant Efficiency By I/O		7	7.6		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
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	23.5				
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	0.7	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	152.47	0.00	klbs
Gas Flow	3.41	0.00	186.91	2.04	kscf
Natural Gas Cost	\$20.93	\$0.00	\$1,147.76	\$12.54	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$20.93	\$0.00	\$1,147.76	\$12.54	\$
Average Steam Cost	\$20.55	\$0.00	\$7.53	Ø12:54	\$/klbs
Efficiency By Losses	72.2	0.0	83.2	80.6	%
Efficiency By I/O	12.2	0.0	79.9	30.0	%
Mid-Atlantic Controls Corporation		ay Report	10.0	<del></del> -	Page 1 of

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/2/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		0	.00		hdd
Total Plant Steam Flow		14	6.46		klbs
Steam Flow Per Heating Degree Day			***		klbs/hd
Total Condensate Return Water Flow		9	9.2		klbs
Total Plant Gas Flow		17	8.43		kscf
Total Plant Gas Cost		\$1,0	95.72		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,0	95.72		\$
Fuel Cost Per Heating Degree Day	~				\$/hdd
Plant Average Steam Cost Per Degree Day					\$/klbs
Total Plant Efficiency By I/O		8	0.4		%
Condensate Transfer Pump #1 Run Time	<u> </u>	2	3.5		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			3.5	nite annual	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	0.6	0.0	23.5	0.3	hrs
Steam Flow	0.00	0,00	146.46	0.00	klbs
Gas Flow	3.10	0.00	173.44	1.89	kscf
Natural Gas Cost	\$19.04	\$0.00	\$1,065.08	\$11.61	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	\$19.04	\$0.00	\$1.065.08	\$11.61	S
Average Steam Cost	***		\$7.27	-	\$/klbs
Efficiency By Losses	77.6	0.0	83.2	81.3	%
Efficiency By I/O			82.7	00	%

Heating Plant Day Operations Report

10/3/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		0	.00		hdd	
Total Plant Steam Flow		14	3.74		klbs	
Steam Flow Per Heating Degree Day					klbs/hde	
Total Condensate Return Water Flow		9	9.3		klbs	
Total Plant Gas Flow		17	4.43		kscf	
Total Plant Gas Cost		\$1,0	71.11		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,0	71.11		\$	
Fuel Cost Per Heating Degree Day					\$/hdd	
Plant Average Steam Cost Per Degree Day					\$/klbs	
Total Plant Efficiency By I/O	80.7				%	
Condensate Transfer Pump #1 Run Time		2	3.5	<del> </del>	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			3.5		hrs	
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	0.6	0.0	23.5	0.3	hrs	
Steam Flow	0.00	0.00	143.74	0.00	klbs	
Gas Flow	3.13	0.00	169.52	1.78	kscf	
Natural Gas Cost	\$19.22	\$0.00	\$1,040.99	\$10.90	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$19.22	\$0.00	\$1,040.99	\$10.90	S	
Average Steam Cost	***		\$7.24		\$/klbs	
Efficiency By Losses	76.4	0.0	83.2	79.5	%	
Efficiency By I/O	1.71		83.0		%	

Heating Plant Day Operations Report

10/4/2019 7:00 AM Daily Report

•	Plant				
Heating Degree Days	0.00				
Total Plant Steam Flow		14	1.41		klbs
Steam Flow Per Heating Degree Day					klbs/hdo
Total Condensate Return Water Flow		9	9.3		klbs
Total Plant Gas Flow		16	9.49		kscf
Total Plant Gas Cost		\$1,0	40.79		\$
Total Plant Oil Flow		5	3.0		gals
Total Plant Oil Cost		\$20	04.70		\$
Total Plant Fuel Cost		\$1,2	45.49		S
Fuel Cost Per Heating Degree Day					\$/hdd
Plant Average Steam Cost Per Degree Day			_		\$/klbs
Total Plant Efficiency By I/O			8.3		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time	23.5				
Condensate Transfer Pump #3 Run Time			3.5		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	3.8		hrs
Fuel Oil Pump #2 Run Time	17.6				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	1.0	0.0	22.8	0.3	hrs
Steam Flow	2.70	0.00	138.71	0.00	klbs
Gas Flow	1.17	0.00	165.95	2.37	kscf
Natural Gas Cost	\$7.18	\$0.00	\$1,019.07	\$14.54	S
Oil Flow	53.0	0.0	0.0	0.0	gals
Oil Cost	\$204.70	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$211.88	\$0.00	\$1.019.07	\$14.54	S
Average Steam Cost	\$78.38		\$7.35		\$/klbs
Efficiency By Losses	0.0	0.0	83.2	76.2	%
Efficiency By I/O	31.2		81.9		%

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/5/2019 7:00 AM Daily Report

Description					
		PI	ant		Units
Heating Degree Days		0	00	U-UI	hdd
Total Plant Steam Flow		14:	3.55		klbs
Steam Flow Per Heating Degree Day			vn-0		klbs/hde
Total Condensate Return Water Flow		9	),1		klbs
Total Plant Gas Flow		17-	4.57		kscf
Total Plant Gas Cost		\$1,0	72.02		\$
Total Plant Oil Flow		10	0.6		gals
Total Plant Oil Cost		\$38	8 26		\$
Total Plant Fuel Cost		\$1,4	60.28		\$
Fuel Cost Per Heating Degree Day			_		\$/hdd
Plant Average Steam Cost Per Degree Day			_		\$/klbs
Total Plant Efficiency By I/O		7-	4.6		%
Condensate Transfer Pump #1 Run Time		3:	3.5		- Iben
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	23.5 23.5				
Boiler Feed Pump #3 Run Time					hrs
Boiler Feed Pump #4 Run Time	-		3.5		hrs
Fuel Oil Pump #1 Run Time	-		3.5		hrs
			0.0		hrs
Fuel Oil Pump #2 Run Time		2:	3.5		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	2.1	0.0	21,2	0.5	hrs
Steam Flow	13.32	0.00	130.23	0.00	klbs
Gas Flow	10.83	0.00	160.44	3.30	kscf
Natural Gas Cost	\$66.50	\$0.00	\$985.24	\$20.28	S
Oil Flow	100.6	0.0	0.0	0.0	gals
Oil Cost	\$388.26	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$454.76	\$0.00	\$985.24	\$20.28	\$
Average Steam Cost	\$34.14	***	\$7.57		\$/klbs
Efficiency By Losses	67.9	0.0	83.0	75.3	%
Efficiency By I/O	52.8		79.5		%

Heating Plant Day Operations Report

10/6/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days			.29	· · · · · ·	Units	
Total Plant Steam Flow			0.38		klbs	
Steam Flow Per Heating Degree Day			5.7		klbs/hd	
Total Condensate Return Water Flow			9.1		klbs	
Total Plant Gas Flow			1.14		kscf	
Total Plant Gas Cost			73.75		\$	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost			0.00		\$	
Total Plant Fuel Cost			73.75		S	
Fuel Cost Per Heating Degree Day			13.16		\$/hdd	
Plant Average Steam Cost Per Degree Day			3.41		\$/klbs	
Total Plant Efficiency By I/O			7.0		%	
			1		1100	
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time		2	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		2	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	23 5					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.7	0.0	23.5	0.4	hrs	
Steam Flow	0.00	0.00	150.38	0.00	klbs	
Gas Flow	3.39	0.00	185.07	2.68	kscf	
Natural Gas Cost	\$20.84	\$0.00	\$1,136,46	\$16.45	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$20.84	\$0.00	\$1,136.46	\$16.45	\$	
Average Steam Cost	***		\$7.56	***	\$/klbs	
Efficiency By Losses	75.2	0.0	83.2	80.2	%	
Efficiency By I/O			79.6		%	

Heating Plant Day Operations Report

10/7/2019 7:00 AM Daily Report

	<u> </u>	Р	lant		Units
Heating Degree Days	0.00				
Total Plant Steam Flow		14	6.82		klbs
Steam Flow Per Heating Degree Day					klbs/hdd
Total Condensate Return Water Flow		9	9.2		klbs
Total Plant Gas Flow		17	8.31		kscf
Total Plant Gas Cost		\$1,0	94.96		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,0	94.96		\$
Fuel Cost Per Heating Degree Day			•••		\$/hdd
Plant Average Steam Cost Per Degree Day			and the same of th		\$/klbs
Total Plant Efficiency By I/O		8	0.6		%
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	23.5				
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			0.0		hrs
Fuel Oil Pump #2 Run Time	23.5				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.3	hrs
Steam Flow	0.00	0.00	146.82	0.00	klbs
Gas Flow	3 30	0.00	173.18	1.83	kscf
Natural Gas Cost	\$20.24	\$0.00	\$1,063.49	\$11.24	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	\$20.24	\$0.00	\$1,063.49	\$11.24	\$
Average Steam Cost	<b>420.24</b>		\$7.24	411,27	\$/klbs
Efficiency By Losses	76.5	0.0	83.2	78.0	%
Efficiency By I/O	100	0.0	83.0	70,0	%

Heating Plant Day Operations Report

10/8/2019 7:00 AM Daily Report

Plant					
	0	.00		hdd	
	15	1.74		klbs	
		***		klbs/hdd	
	9	9.1		klbs	
	18	4.68		kscf	
	\$1,1	34.05		\$	
	(	0.0		gals	
	\$0	0.00		\$	
	\$1,1	34.05		\$	
				\$/hdd	
				\$/klbs	
7	8	0.5		%	
		3.5	<u> </u>	hrs	
				hrs hrs	
				hrs	
			-W-v-lish-W-dishensin	hrs	
				hrs	
				hrs	
23.5					
Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
				hrs	
				klbs	
				kscf	
				\$	
				gals	
		-/ record		\$	
-				S	
720.00			Ψ11.10	\$/klbs	
80.1				% %	
00.1	0.0		100	%	
	Boiler 1  0.7  0.00  3.39  \$20.80  0.0  \$0.00  \$20.80	Boiler 1 Boiler 2  2  2  2  2  2  2  2  3  3  4  5  5  5  5  5  5  6  5  7  7  7  7  7  7  7  7  7  7  7  7	0.00 151.74 9.1 184.68 \$1,134.05 0.0 \$0.00 \$1,134.05 80.5  23.5 23.5 23.5 23.5 23.5 23.5 23.5 2	0.00 151.74 9.1 184.68 \$1,134.05 0.0 \$0.00 \$1,134.05 80.5  23.5 23.5 23.5 23.5 23.5 23.5 23.5 2	

Heating Plant Day Operations Report

10/9/2019 7:00 AM **Daily Report** 

Description					
		P	lant		Units
Heating Degree Days		1	.19		hdd
Total Plant Steam Flow		17	2.93		klbs
Steam Flow Per Heating Degree Day		14	14.7		klbs/hdd
Total Condensate Return Water Flow		3	3.8		klbs
Total Plant Gas Flow		22	1.51		kscf
Total Plant Gas Cost		\$1,3	60.25		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,3	60.25		\$
Fuel Cost Per Heating Degree Day		\$1,1	38.53		\$/hdd
Plant Average Steam Cost Per Degree Day		\$6	5.58		\$/klbs
Total Plant Efficiency By I/O		7	6.5		%
Condensate Transfer Pump #1 Run Time		2	3.5		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			3.5		hrs
Boiler Feed Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #4 Run Time		2	3.5		hrs
Fuel Oil Pump #1 Run Time		(	0.0	0-1	hrs
Fuel Oil Pump #2 Run Time		2	3.5		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.5	hrs
Steam Flow	0.00	0.00	172.93	0.00	klbs
Gas Flow	3.82	0.00	214.46	3.23	kscf
Natural Gas Cost	\$23.47	\$0.00	\$1,316.95	\$19.83	\$
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	\$23.47	\$0.00	\$1,316.95	\$19.83	\$
Average Steam Cost			\$7.62		\$/klbs
Efficiency By Losses	80.3	0.0	83.1	81.8	%
Efficiency By I/O			79.0		%
Mid-Atlantic Controls Corporation		av Report			Page 1 of

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/10/2019 7:00 AM Daily Report

Description					
		P	ant		Units
Heating Degree Days		4	.34		hdd
Total Plant Steam Flow		17	7.25		klbs
Steam Flow Per Heating Degree Day		4	0.8		klbs/hdd
Total Condensate Return Water Flow		3	3.4		klbs
Total Plant Gas Flow		22	7.71		kscf
Total Plant Gas Cost		\$1,3	98.31		\$
Total Plant Oil Flow		(	0,0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,3	98.31		\$
Fuel Cost Per Heating Degree Day		\$32	22.24		\$/hdd
Plant Average Steam Cost Per Degree Day		\$*	1.82		\$/klbs
Total Plant Efficiency By I/O		7	6.2		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time		2	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		2	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				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	0.0	23.5	0.6	hrs
Steam Flow	0.00	0.00	177.25	0.00	klbs
Gas Flow	4.09	0.00	219.77	3.86	kscf
Natural Gas Cost	\$25.11	\$0.00	\$1,349.52	\$23.68	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$25.11	\$0.00	\$1,349.52	\$23.68	S
Average Steam Cost	444	-	\$7.61	-	\$/klbs
Efficiency By Losses	75.0	0.0	83.2	77.6	%
Efficiency By I/O			79.0		%
Mid-Atlantic Controls Corporation	D	ay Report			Page 1 of 1

**Heating Plant Day Operations Report** 

10/11/2019 7:00 AM Daily Report

Description			· · · · · · · · · · · · · · · · · · ·		
			lant		Units
Heating Degree Days			.82		hdd
Total Plant Steam Flow			8.22		klbs
Steam Flow Per Heating Degree Day			16.2		klbs/hdc
Total Condensate Return Water Flow			7.7		klbs
Total Plant Gas Flow			1.90		kscf
Total Plant Gas Cost	g. A.	\$1,4	24.03		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,4	24.03		\$
Fuel Cost Per Heating Degree Day		\$1,7	27.73		\$/hdd
Plant Average Steam Cost Per Degree Day		\$9	9.69		\$/klbs
Total Plant Efficiency By I/O		7	5.3		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time		2	3.5		hrs
Condensate Transfer Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #1 Run Time	23.5				
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		2	3.5		hrs
Fuel Oil Pump #1 Run Time		(	0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	0.0	23.5	1.0	hrs
Steam Flow	0.00	0.00	178.22	0.00	klbs
Gas Flow	3.97	0.00	221.45	6.48	kscf
Natural Gas Cost	\$24.37	\$0.00	\$1,359.86	\$39.80	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	\$24.37	\$0.00	\$1,359.86	\$39.80	\$
Average Steam Cost			\$7.63	***	\$/klbs
Efficiency By Losses	78.1	0.0	83.2	79.0	%
Efficiency By I/O			78.8		%

Heating Plant Day Operations Report

10/12/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days		3	.92		Units	
Total Plant Steam Flow			2.01		klbs	
Steam Flow Per Heating Degree Day		4	6.4		klbs/hd	
Total Condensate Return Water Flow		8	3.0		klbs	
Total Plant Gas Flow		23	7.46		kscf	
Total Plant Gas Cost		\$1,4	58.19		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		S	0.00		\$	
Total Plant Fuel Cost		\$1,4	58.19		\$	
Fuel Cost Per Heating Degree Day		\$37	71.85		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$2	2.04		\$/klbs	
Total Plant Efficiency By I/O		7	5.1		%	
Condensate Transfer Pump #1 Run Time			3.5		hrs	
Condensate Transfer Pump #2 Run Time			3.5		hrs	
Condensate Transfer Pump #3 Run Time		2	3.5		hrs	
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	23.5					
Boiler Feed Pump #3 Run Time		2	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	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.5	0.0	23,4	8.0	hrs	
Steam Flow	0.33	0.00	181.03	0.65	klbs	
Gas Flow	3.78	0.00	226.30	7.38	kscf	
Natural Gas Cost	\$23.23	\$0.00	\$1,389.63	\$45.33	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$23.23	\$0.00	\$1,389.63	\$45.33	\$	
Average Steam Cost	\$70.43		\$7.68	\$69.79	\$/klbs	
Efficiency By Losses	79.9	0.0	83.1	75.6	%	
Efficiency By I/O	8.5		78.3	8.6	%	

Heating Plant Day Operations Report

10/13/2019 7:00 AM Daily Report

Description

Description					Units
	Plant				
Heating Degree Days			.13		hdd
Total Plant Steam Flow		15	8.59		klbs
Steam Flow Per Heating Degree Day		14	10.6		klbs/hdd
Total Condensate Return Water Flow		8	3.7		kibs
Total Plant Gas Flow		20	6.08		kscf
Total Plant Gas Cost		\$1,2	65.49		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,2	65.49		\$
Fuel Cost Per Heating Degree Day		\$1,1	21.65		\$/hdd
Plant Average Steam Cost Per Degree Day		\$7	7.07		\$/klbs
Total Plant Efficiency By I/O		7	5.4		%
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	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			0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Balland				
D	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.9	hrs
Steam Flow	0.00	0.00	158.59	0.00	klbs
Gas Flow	3.58	0.00	196.36	6.14	kscf
Natural Gas Cost	\$21.96	\$0.00	\$1,205.82	\$37.71	\$
Oil Flow	0.0	0,0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$21.96	\$0.00	\$1,205.82	\$37.71	\$
Average Steam Cost			\$7.60	***	\$/klbs
Efficiency By Losses	77,6	0,0	83.2	75.2	%
Efficiency By I/O			79.1		%

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/14/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days	1.48				
Total Plant Steam Flow		15	7.75		klbs
Steam Flow Per Heating Degree Day		1(	06.6		klbs/hdd
Total Condensate Return Water Flow			3.5		klbs
Total Plant Gas Flow		20	6.90		kscf
Total Plant Gas Cost		\$1,2	270.55		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,2	270.55		\$
Fuel Cost Per Heating Degree Day		\$85	58 62		\$/hdd
Plant Average Steam Cost Per Degree Day		\$5	5.44		\$/klbs
Total Plant Efficiency By I/O		7	4.7		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time		2	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		2	3.5		hrs
Fuel Oil Pump #1 Run Time		(	0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.9	hrs
Steam Flow	0.00	0.00	157.75	0.00	klbs
Gas Flow	3.57	0.00	197.25	6.08	kscf
Natural Gas Cost	\$21.89	\$0.00	\$1,211.29	\$37.37	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$21.89	\$0.00	\$1,211.29	\$37.37	\$
Average Steam Cost		***	\$7.68	***	\$/klbs
Efficiency By Losses	79.9	0.0	83.3	78.8	0/6
Efficiency By I/O			78.3		%

Heating Plant Day Operations Report

10/15/2019 7:00 AM Daily Report

Description						
		Plant				
Heating Degree Days		1	.47		hdd	
Total Plant Steam Flow		16	8.88		klbs	
Steam Flow Per Heating Degree Day		11	14.9		klbs/hdd	
Total Condensate Return Water Flow		8	3.3		klbs	
Total Plant Gas Flow		22	0.26		kscf	
Total Plant Gas Cost		\$1,3	352.55		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		\$(	0.00		\$	
Total Plant Fuel Cost		\$1,3	52.55		\$	
Fuel Cost Per Heating Degree Day		\$9	19.95		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$5	5.45		\$/klbs	
Total Plant Efficiency By I/O		7	5.1		%	
Condensate Transfer Pump #1 Run Time	<u> </u>	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		23.5				
Boiler Feed Pump #2 Run Time			3.5		hrs 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			0.0		hrs	
T do Fort drip we rear Time		·····	7.0		1113	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.8	0.0	23.5	0.9	hrs	
Steam Flow	0.00	0.00	168.88	0.00	klbs	
Gas Flow	3.96	0.00	210.13	6.17	kscf	
Natural Gas Cost	\$24.30	\$0.00	\$1,290.33	\$37.92	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$24.30	\$0.00	\$1,290.33	\$37.92	\$	
Average Steam Cost	***		\$7.64		\$/klbs	
Efficiency By Losses	78.8	0.0	83.1	75.9	%	
Efficiency By I/O			78.7		%	

Heating Plant Day Operations Report

10/16/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		4	.71		hdd
Total Plant Steam Flow		18	3.71		klbs
Steam Flow Per Heating Degree Day		3	9.0		klbs/hdd
Total Condensate Return Water Flow		8	3.2		klbs
Total Plant Gas Flow		23	6.53		kscf
Total Plant Gas Cost		\$1,4	52.49		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,4	52.49		\$
Fuel Cost Per Heating Degree Day		\$30	08.39		\$/hdd
Plant Average Steam Cost Per Degree Day		\$1	1.68		\$/klbs
Total Plant Efficiency By I/O		7	6.1		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time	23.5				
Condensate Transfer Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #4 Run Time		2	3.5		hrs
Fuel Oil Pump #1 Run Time		(	).0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.8	hrs
Steam Flow	0.00	0.00	183.71	0.00	klbs
Gas Flow	3.52	0.00	227.37	5.64	kscf
Natural Gas Cost	\$21.63	\$0.00	\$1,396.23	\$34.62	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	\$21.63	\$0.00	\$1,396.23	\$34.62	S
Average Steam Cost		***	\$7.60	•••	\$/klbs
Efficiency By Losses	75.7	0.0	83.2	79.8	%
Efficiency By I/O			79.1		%
Mid-Atlantic Controls Corporation	D	av Report	100		Page 1 of

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/17/2019 7:00 AM Daily Report

		Р	lant		Units
Heating Degree Days		8	.80		hdd
Total Plant Steam Flow		20	5.82		klbs
Steam Flow Per Heating Degree Day		2	3.4		klbs/hd
Total Condensate Return Water Flow			3.4		klbs
Total Plant Gas Flow		26	3.84		kscf
Total Plant Gas Cost		\$1,6	20.19		\$
Total Plant Oil Flow		(	0,0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,6	20.19		\$
Fuel Cost Per Heating Degree Day		\$18	34.21		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	0.90		\$/klbs
Total Plant Efficiency By I/O		7	6.4		%
Condensate Transfer Pump #1 Run Time			3.5		hrs
Condensate Transfer Pump #2 Run Time			3.5		hrs
Condensate Transfer Pump #3 Run Time	23.5				
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time			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	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.9	0.0	23.5	1.0	hrs
Steam Flow	0.00	0.00	205.82	0.00	klbs
Gas Flow	4.73	0.00	252.55	6.56	kscf
Natural Gas Cost	\$29.06	\$0.00	\$1,550.87	\$40.26	S
Oil Flow	0.0	0.0	0.0	0.0	gals
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$29.06	\$0.00	\$1,550.87	\$40.26	S
Average Steam Cost		_	\$7.54	***	\$/klbs
Efficiency By Losses	73.3	0.0	83.0	78.1	%
Efficiency By I/O		<del></del>	79.8		%

# Central State Hospital Heating Plant Day Operations Report

10/18/2019 7:00 AM Daily Report

## Description

		Penort	iu	Mid-Attantic Controls Corporation
	r.08			Oll yB VO
2.67	0.58	0.0	0.97	tuciency By Losses
***	12.72	****	1	teoO meatS agerav
97.148	\$8,007,1\$	00.0\$	91 97\$	otal Fuel Cost
00'0\$	00'0\$	00'0\$	00'0\$	)il Cost
0.0	0.0	0.0	0'0	MOJI Elow
94.14\$	£8.007, r\$	00'0\$	\$59.19	atural Gas Cost
08.9	76.972	00.0	4.26	ss Flow
00.0	226.56	00"0	00'0	wol7 ms9f
1.0	23.5	0'0	8.0	əw <u>i T</u> un
հ ⊤elio8	E relio8	Soiler 2	l 19lio8	
	0.	0		emi T nuß 2# qmb liue
				uel Oil Pump #1 Run Time
				oiler Feed Pump #4 Run Time
				oiler Feed Pump #3 Run Time
				oiler Feed Pump #2 Run Time
			oiler Feed Pump #1 Run Time	
				ondensate Transfer Pump #3 Run Time
· · · · · · · · · · · · · · · · · · ·				ondensate Transfer Pump #2 Run Time
				emiT nuR f# qmu9 191sns17 etserebno
	0.			otal Plant Efficiency By I/O
				Isnt Average Steam Cost Per Degree Day
				uel Cost Per Heating Degree Day
				otal Plant Fuel Cost
				otal Plant Oil Cost
				wold Irlant Cas Cost
				otal Plant Gas Cost
				otal Condensate Return Water Flow
				team Flow Per Heating Degree Day
				worl Plant Steam Flow
				leating Degree Days
				aver Barred Drittee
	00.0 00.0 00.0 00.0 00.0 00.0	11. 66.6 67.86 67.	0.1         3.52         0.0           00.0         06.52         00.0           00.0         36.52         00.0           08.0         76.372         00.0           00.0         0.0         0.0           00.0\$         0.0         0.0           00.0\$         0.0         0.0           00.0\$         0.0         0.0           2.67         0.0         0.0           2.67         0.0         0.0	### Company of the co

f to f age9

Day Report

Mid-Attantic Controls Corporation

Heating Plant Day Operations Report

10/19/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		14	1.63		hdd
Total Plant Steam Flow		23	5.43		klbs
Steam Flow Per Heating Degree Day		1	6.1		klbs/hde
Total Condensate Return Water Flow		8	3.0		klbs
Total Plant Gas Flow		29	6.94		kscf
Total Plant Gas Cost		\$1,8	23.43		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,8	23.43		\$
Fuel Cost Per Heating Degree Day		\$12	24.65		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	0.53		\$/klbs
Total Plant Efficiency By I/O	77.6				
Condensate Transfer Pump #1 Run Time		2	3.5	<u>.</u>	hrs
Condensate Transfer Pump #2 Run Time		2	3.5		hrs
Condensate Transfer Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #1 Run Time	23.5				
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		2	3.5		hrs
Fuel Oil Pump #1 Run Time		(	0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	0.0	23.5	1.0	hrs
Steam Flow	0.00	0.00	235.43	0.00	klbs
Gas Flow	4.08	0.00	286.20	6.66	kscf
Natural Gas Cost	\$25.08	\$0.00	\$1,757.48	\$40.87	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$25.08	\$0.00	\$1,757.48	\$40.87	\$
Average Steam Cost	_		\$7.46	***	\$/klbs
Efficiency By Losses	79.0	0.0	82.9	77.5	%
Efficiency By I/O			80.6		%

Heating Plant Day Operations Report

Plant

Units

10/20/2019 7:00 AM Daily Report

Heating Degree Days	13.63				
Total Plant Steam Flow		21	5.92		klbs
Steam Flow Per Heating Degree Day		1	5.8		klbs/hdd
Total Condensate Return Water Flow		3	3.7		klbs
Total Plant Gas Flow		27	1,47		kscf
Total Plant Gas Cost		\$1,6	667.05		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,6	67.05		\$
Fuel Cost Per Heating Degree Day		\$12	22.30		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	0.57		\$/klbs
Total Plant Efficiency By I/O		7	7.9		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time		2	3.5		hrs
Condensate Transfer Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #1 Run Time	23.5				
Boiler Feed Pump #2 Run Time	23.5				
Boiler Feed Pump #3 Run Time		2	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		. (	0.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	23.5	0.9	hrs
Steam Flow	0.00	0.00	215.92	0.00	klbs
Gas Flow	3,29	0.00	262.27	5.92	kscf
Natural Gas Cost	\$20.19	\$0.00	\$1,610.53	\$36.33	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$20.19	\$0.00	\$1,610.53	\$36.33	\$
Average Steam Cost			\$7.46	***	\$/klbs
Efficiency By Losses	76.9	0.0	83.0	74.9	%
Efficiency By I/O			80.6		%

Heating Plant Day Operations Report

10/21/2019 7:00 AM **Daily Report** 

Description

Description						
		P	lant		Units	
Heating Degree Days		8 92				
Total Plant Steam Flow		22	9.64		klbs	
Steam Flow Per Heating Degree Day		2	5.7		klbs/hdd	
Total Condensate Return Water Flow		8	3.7		klbs	
Total Plant Gas Flow		28	9.00		kscf	
Total Plant Gas Cost		\$1,7	74.66		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	74.66		\$	
Fuel Cost Per Heating Degree Day		\$19	8.98		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.87		\$/klbs	
Total Plant Efficiency By I/O		7	7.8		%	
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	23.5					
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			0.0		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.8	0.0	23.5	0.9	hrs	
Steam Flow	0.00	0.00	229.64	0.00	klbs	
Gas Flow	4.10	0.00	278.59	6.31	kscf	
Natural Gas Cost	\$25.18	\$0.00	\$1,710.75	\$38.73	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$25.18	\$0.00	\$1,710.75	\$38.73	\$	
Average Steam Cost			\$7.45		\$/klbs	
Efficiency By Losses	78.0	0.0	83.0	76.4	%	
Efficiency By I/O			80.7		%	
Mid-Atlantic Controls Corporation	D	ay Report			Page 1 of 1	

Mid-Atlantic Controls Corporation

Day Report

**Heating Plant Day Operations Report** 

10/22/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	8.61					
Total Plant Steam Flow		23	0.35		klbs	
Steam Flow Per Heating Degree Day		2	6.7		klbs/hde	
Total Condensate Return Water Flow		8	3.3		klbs	
Total Plant Gas Flow		29	0.05		kscf	
Total Plant Gas Cost		\$1,7	81.12		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	81.12		\$	
Fuel Cost Per Heating Degree Day		\$20	06.75		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.90		\$/klbs	
Total Plant Efficiency By I/O		7	7.8	di-distance di diamento della constance della constance di distance di distanc	%	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time		2	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		2	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	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.8	0.0	23.5	0.9	hrs	
Steam Flow	0.00	0.00	230.35	0.00	klbs	
Gas Flow	3.94	0.00	280.12	5.99	kscf	
Natural Gas Cost	\$24.21	\$0.00	\$1,720.15	\$36.76	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	\$24.21	\$0.00	\$1,720.15	\$36.76	S	
Average Steam Cost			\$7.47	_	\$/klbs	
Efficiency By Losses	77.6	0.0	83.1	77.1	%	
Efficiency By I/O			80.5		%	

Heating Plant Day Operations Report

10/23/2019 7:00 AM Daily Report

Description					
	Plant				
Heating Degree Days		2	88		hdd
Total Plant Steam Flow		22	5.82		klbs
Steam Flow Per Heating Degree Day		7	8.5		klbs/hd
Total Condensate Return Water Flow		8	3.4		klbs
Total Plant Gas Flow		28	4.84		kscf
Total Plant Gas Cost		\$1,7	49.15		\$
Total Plant Oil Flow			0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,7	49.15		S
Fuel Cost Per Heating Degree Day		\$60	08.12		\$/hdd
Plant Average Steam Cost Per Degree Day		\$2	2.69		\$/klbs
Total Plant Efficiency By I/O		7	7.6		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time		2	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		2	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	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	0.0	23.5	0.9	hrs
Steam Flow	0.00	0.00	225.82	0.00	klbs
Gas Flow	3.98	0.00	274.58	6.28	kscf
Natural Gas Cost	\$24.41	\$0.00	\$1,686.15	\$38.58	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$24.41	\$0.00	\$1,686.15	\$38.58	\$
Average Steam Cost			\$7.47	***	\$/klbs
Efficiency By Losses	77.4	0.0	83.0	77.3	%
Efficiency By I/O			80.5		%

Heating Plant Day Operations Report

10/24/2019 7:00 AM Daily Report

Description	Plant				
Heating Degree Days	9.15				
Total Plant Steam Flow			2.89		hdd klbs
Steam Flow Per Heating Degree Day			5.5		klbs/hdd
Total Condensate Return Water Flow			3.6		klbs
Total Plant Gas Flow			3.06		kscf
Total Plant Gas Cost			99.60		\$
Total Plant Oil Flow			0.0		gals
Total Plant Oil Cost			).00		\$
Total Plant Fuel Cost			99.60		S
Fuel Cost Per Heating Degree Day			96.75		\$/hdd
Plant Average Steam Cost Per Degree Day			).84		\$/klbs
Total Plant Efficiency By I/O			7.8		%
Condensate Transfer Pump #1 Run Time		2	3.5	·	hrs
Condensate Transfer Pump #2 Run Time		2	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		2	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	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.8	0,0	23.5	0.9	hrs
Steam Flow	0.00	0.00	232.89	0.00	klbs
Gas Flow	4.26	0.00	282.83	5.97	kscf
Natural Gas Cost	\$26.16	\$0.00	\$1,736.80	\$36.64	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$26.16	\$0.00	\$1,736.80	\$36.64	\$
Average Steam Cost	***		\$7.46		\$/klbs
Efficiency By Losses	79.4	0.0	82.9	74.7	%
Efficiency By I/O			80.6		%
Mid-Atlantic Controls Corporation	D	av Report			Page 1 of 1

Heating Plant Day Operations Report

10/25/2019 7:00 AM Daily Report

Description

	Plant					
Heating Degree Days	11.27					
Total Plant Steam Flow		22	8.97		klbs	
Steam Flow Per Heating Degree Day		2	0.3		klbs/hdd	
Total Condensate Return Water Flow		9	9.0		klbs	
Total Plant Gas Flow		28	6.94		kscf	
Total Plant Gas Cost		\$1,7	62.02		\$	
Total Plant Oil Flow		(	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	62.02		\$	
Fuel Cost Per Heating Degree Day		\$15	6.28		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.68		\$/klbs	
Total Plant Efficiency By I/O	78.1					
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					
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	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.7	0.0	23.5	0.9	hrs	
Steam Flow	0.00	0.00	228.97	0.00	klbs	
Gas Flow	3.83	0.00	277.38	5.72	kscf	
Natural Gas Cost	\$23.53	\$0.00	\$1,703.35	\$35.15	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$23.53	\$0.00	\$1,703.35	\$35.15	\$	
Average Steam Cost	***		\$7.44		\$/klbs	
Efficiency By Losses	79.6	0.0	83.0	77.5	%	
Efficiency By I/O			80.8		%	
Mid-Atlantic Controls Corporation		Day Report				

Mid-Atlantic Controls Corporation

Day Report

**Heating Plant Day Operations Report** 

10/26/2019 7:00 AM Daily Report

Description

	Plant				Units
Heating Degree Days	5.83				
Total Plant Steam Flow		22:	2.99		klbs
Steam Flow Per Heating Degree Day		3	8.2		klbs/hdd
Total Condensate Return Water Flow		- 8	3.9		klbs
Total Plant Gas Flow		279	9.06		kscf
Total Plant Gas Cost		\$1,7	13.66		\$
Total Plant Oil Flow		C	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,7	13.66		\$
Fuel Cost Per Heating Degree Day		\$29	3.89		\$/hdd
Plant Average Steam Cost Per Degree Day		\$1	.32		\$/klbs
Total Plant Efficiency By I/O		7	8.3		%
Condensate Transfer Pump #1 Run Time		2	3.5		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				
Fuel Oil Pump #1 Run Time		C	0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.8	hrs
Steam Flow	0.00	0.00	222.99	0.00	klbs
Gas Flow	3.51	0.00	270.24	5.32	kscf
Natural Gas Cost	\$21.53	\$0.00	\$1,659.45	\$32.68	5
Oit Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S
Total Fuel Cost	\$21.53	\$0.00	\$1,659.45	\$32.68	\$
Average Steam Cost			\$7.44	•••	\$/klbs
Efficiency By Losses	80.1	0.0	83.1	78.0	%
Efficiency By I/O			80.8		%

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

10/27/2019 7:00 AM Daily Report

Description	<u></u>				Units
	Plant				
Heating Degree Days		0.00			
Total Plant Steam Flow		20	3.96		kibs
Steam Flow Per Heating Degree Day	_				klbs/hde
Total Condensate Return Water Flow		9	9.0		kibs
Total Plant Gas Flow		25	7.06		kscf
Total Plant Gas Cost		\$1,5	578.56		\$
Total Plant Oil Flow		(	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,5	578.56		\$
Fuel Cost Per Heating Degree Day					\$/hdd
Plant Average Steam Cost Per Degree Day					\$/klbs
Total Plant Efficiency By I/O		7	7.7		%
Condensate Transfer Pump #1 Run Time		2	3.5		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			3.5		hrs
Fuel Oil Pump #1 Run Time			0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.8	hrs
Steam Flow	0.00	0.00	203.96	0.00	klbs
Gas Flow	3.79	0.00	247.63	5.64	kscf
Natural Gas Cost	\$23.30	\$0.00	\$1,520.64	\$34.63	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	\$23.30	\$0.00	\$1,520.64	\$34.63	S
Average Steam Cost			\$7.46	***	\$/klbs
Efficiency By Losses	78.6	0.0	83.1	73.5	%
Efficiency By I/O	80.7				

Heating Plant Day Operations Report

10/28/2019 7:00 AM Daily Report

Description					Units
	Plant				
Heating Degree Days			.00		hdd
Total Plant Steam Flow			0.31		klbs
Steam Flow Per Heating Degree Day	-				klbs/hd
Total Condensate Return Water Flow			9.1		klbs
Total Plant Gas Flow			2.62		kscf
Total Plant Gas Cost			51.25		\$
Total Plant Oil Flow			0,0		gals
Total Plant Oil Cost			0.00		\$
Total Plant Fuel Cost		\$1,5	51.25		\$
Fuel Cost Per Heating Degree Day		,			\$/hdd
Plant Average Steam Cost Per Degree Day			_		\$/klbs
Total Plant Efficiency By I/O		7	7.7		%
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			3.5		hrs
Fuel Oil Pump #1 Run Time			0.0		hrs
Fuel Oil Pump #2 Run Time	0.0				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	8.0	hrs
Steam Flow	0.00	0.00	200.31	0.00	klbs
Gas Flow	3.72	0.00	243.45	5.44	kscf
Natural Gas Cost	\$22.87	\$0.00	\$1,494.99	\$33.39	\$
Oil Flow	0.0 0.0 0.0 0.0				
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	gals \$
Total Fuel Cost	\$22.87	\$0.00	\$1,494.99	\$33.39	S
Average Steam Cost			\$7.46	-	\$/klbs
Efficiency By Losses	77.1	0.0	83.0	79.0	%
Efficiency By I/O	80.6				

Heating Plant Day Operations Report

10/29/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days	4.07				
Total Plant Steam Flow		22	3.10		klbs
Steam Flow Per Heating Degree Day		5	4.8		klbs/hdg
Total Condensate Return Water Flow			3.8	1-01-0-11-0-1-0-1-0-0-0-0-0-0-0-0-0-0-0	klbs
Total Plant Gas Flow	278.18				
Total Plant Gas Cost	\$1,708.25				
Total Plant Oil Flow		(	0.0	0 11.1.10.1.1.11	gals
Total Plant Oil Cost		SC	0.00		\$
Total Plant Fuel Cost		\$1.7	708.25		S
Fuel Cost Per Heating Degree Day			19.37		\$/hdd
Plant Average Steam Cost Per Degree Day		\$	1.88		\$/klbs
Total Plant Efficiency By I/O		7	8.5		%
Condensate Transfer Pump #1 Run Time		2	3.5		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				
Fuel Oil Pump #1 Run Time		(	0.0		hrs
Fuel Oil Pump #2 Run Time	19,4				
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	23.5	0.5	hrs
Steam Flow	0.00	0.00	223.10	0.00	klbs
Gas Flow	3.86	0.00	270.92	3.40	kscf
Natural Gas Cost	\$23.72	\$0.00	\$1,663.66	\$20.88	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	\$23.72	\$0.00	\$1,663,66	\$20.88	S
Average Steam Cost		***	\$7.46		\$/klbs
Efficiency By Losses	76.2	0.0	83.0	0.0	%
Efficiency By I/O	80.6				

Heating Plant Day Operations Report

10/30/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	4.60					
Total Plant Steam Flow		22	4.41		klbs	
Steam Flow Per Heating Degree Day		4	8.8		klbs/hdd	
Total Condensate Return Water Flow		3	3.8		klbs	
Total Plant Gas Flow		28	1,71		kscf	
Total Plant Gas Cost		\$1,7	29 89		\$	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	29.89		\$	
Fuel Cost Per Heating Degree Day		\$37	76.39		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$1	1.68		\$/klbs	
Total Plant Efficiency By I/O	78.0					
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		(	0.0		hrs	
Fuel Oil Pump #2 Run Time	23.5				hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.8	0.0	23.4	0.6	hrs	
Steam Flow	0.00	0.00	224.41	0.00	klbs	
Gas Flow	4.15	0.00	272.96	4.59	kscf	
Natural Gas Cost	\$25.50	\$0.00	\$1,676.18	\$28.21	\$	
Oil Flow	0.0 0.0 0.0 0.0				gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$25.50	\$0.00	\$1,676.18	\$28.21	\$	
Average Steam Cost	848		\$7.47	-	\$/klbs	
Efficiency By Losses	74.6	0.0	83.0	82.3	%	
Efficiency By I/O	80.5					

Heating Plant Day Operations Report

10/31/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	4,39					
Total Plant Steam Flow		22	1,99		klbs	
Steam Flow Per Heating Degree Day		5	0.6		klbs/hdc	
Total Condensate Return Water Flow		9	9.4		klbs	
Total Plant Gas Flow		271,61				
Total Plant Gas Cost		\$1,6	67.86		\$	
Total Plant Oil Flow	18-18-1-0	(	0.0		gals	
Total Plant Oil Cost		\$0	0.07		\$	
Total Plant Fuel Cost		\$1,6	67.93		\$	
Fuel Cost Per Heating Degree Day		\$38	30 20		\$/hdd	
Plant Average Steam Cost Per Degree Day	· · · · · · · · · · · · · · · · · · ·	\$1	1.71		\$/klbs	
Total Plant Efficiency By I/O	80.0					
Condensate Transfer Pump #1 Run Time		2	3.5		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		2	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	0.6	0.0	23.5	0.0	hrs	
Steam Flow	0.00	0.00	221.99	0.00	klbs	
Gas Flow	3.05	0.00	268.56	0.00	kscf	
Natural Gas Cost	\$18.71	\$0.00	\$1,649.16	\$0.00	\$	
Oil Flow	0.0 0.0 0.0 0.0					
Oil Cost	\$0.00	\$0.00	\$0.07	\$0.00	gals \$	
Total Fuel Cost	\$18.71	\$0.00	\$1,649.22	\$0.00	\$	
Average Steam Cost			\$7.43		\$/klbs	
Efficiency By Losses	80.0	0.0	83.0	0.0	%	
Efficiency By I/O	80.9					