Heating Plant Day Operations Report

4/1/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		34	.42		hdd
Total Plant Steam Flow		285	5.66	107-1	klbs
Steam Flow Per Heating Degree Day		8	.3		klbs/hdd
Total Condensate Return Water Flow		9	.0		klbs
Total Plant Gas Flow		33	1.03		kscf
Total Plant Gas Cost		\$2,0	32.79		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,0	32.79		S
Fuel Cost Per Heating Degree Day		\$59	9.06		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.21		\$/klbs
Total Plant Efficiency By I/O		84	1.5		%
Condensate Transfer Pump #1 Run Time		2.	1.5	1	hrs
Condensate Transfer Pump #2 Run Time			1.5		hrs
Condensate Transfer Pump #3 Run Time			1.5		hrs
Boiler Feed Pump #1 Run Time			1.5		hrs
Boiler Feed Pump #2 Run Time			1.5		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			1.5		hrs
Fuel Oil Pump #2 Run Time			.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.8	23.5	hrs
Steam Flow	0.00	0.00	0.00	285.66	klbs
Gas Flow	2.33	0.00	2.70	326.00	kscf
Natural Gas Cost	\$14.29	\$0.00	\$16.61	\$2,001,89	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	\$14.29	\$0.00	\$16.61	\$2,001,89	\$
Average Steam Cost	_		***	\$7.01	\$/klbs
Efficiency By Losses	70.2	0.0	79.2	81.8	%
Efficiency By I/O			1 5.00	85.8	%

Heating Plant Day Operations Report

4/2/2019 7:00 AM Daily Report

Description					
			ant		Units
Heating Degree Days		40	.53		hdd
Total Plant Steam Flow		335	5.96		klbs
Steam Flow Per Heating Degree Day		8	.3		klbs/hd
Total Condensate Return Water Flow		8	.4		klbs
Total Plant Gas Flow		392	2.94		kscf
Total Plant Gas Cost		\$2,4	12.97		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,4	12.97		\$
Fuel Cost Per Heating Degree Day		\$59	9.53		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.18		\$/klbs
Total Plant Efficiency By I/O	83.7				
Condensate Transfer Pump #1 Run Time	<u> </u>	22	2.9		hrs
Condensate Transfer Pump #2 Run Time			2.9		hrs
Condensate Transfer Pump #3 Run Time			2.9		hrs
Boiler Feed Pump #1 Run Time	22.8				
Boiler Feed Pump #2 Run Time			2.8		hrs hrs
Boiler Feed Pump #3 Run Time			2.8		hrs
Boiler Feed Pump #4 Run Time			2.8		hrs
Fuel Oil Pump #1 Run Time			2.9		hrs
Fuel Oil Pump #2 Run Time			.0		hrs
	Boiler 1 Boiler 2 Boiler 3 Boiler 4				
Run Time	0.5	0.0	0.7	23.5	Units
Steam Flow	0.00	0.00	0.00	335.96	klbs
Gas Flow	2.43	0.00	2.76	387.76	kscf
Natural Gas Cost	\$14.91	\$0.00	\$16.93	\$2,381.13	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	\$14.91	\$0.00	\$16.93	\$2.381.13	s
Average Steam Cost	***			\$7.09	\$/klbs
Efficiency By Losses	74.3	0.0	73.6	81.8	%
Efficiency By I/O	1 7.0	0.0	10.0	84.9	%

Heating Plant Day Operations Report

4/3/2019 7:00 AM Daily Report

Description

Description					
		Pl	ant		Units
Heating Degree Days		44	.82		hdd
Total Plant Steam Flow		37	1.53		klbs
Steam Flow Per Heating Degree Day		8	.3		klbs/hdd
Total Condensate Return Water Flow		7	.8		klbs
Total Plant Gas Flow		441	1.06		kscf
Total Plant Gas Cost		\$2,7	08.42		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,7	08.42		\$
Fuel Cost Per Heating Degree Day		\$60).44		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.16		\$/klbs
Total Plant Efficiency By I/O		82	2.5		%
Condensate Transfer Pump #1 Run Time		22	2.8		hrs
Condensate Transfer Pump #2 Run Time		22	2.8		hrs
Condensate Transfer Pump #3 Run Time		22	2.8		hrs
Boiler Feed Pump #1 Run Time		22	2.8		hrs
Boiler Feed Pump #2 Run Time		22	2.8		hrs
Boiler Feed Pump #3 Run Time		22	2.8		hrs
Boiler Feed Pump #4 Run Time		22	2.8		hrs
Fuel Oil Pump #1 Run Time		23	3.0		hrs
Fuel Oil Pump #2 Run Time		0	.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.5	0.0	0.8	23.5	hrs
Steam Flow	0.00	0.00	0.00	371.53	klbs
Gas Flow	2.48	0.00	3.09	435.49	kscf
Natural Gas Cost	\$15.21	\$0.00	\$19.00	\$2,674.21	\$
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	\$15.21	\$0.00	\$19.00	\$2,674.21	\$
Average Steam Cost		_		\$7.20	\$/klbs
Efficiency By Losses	82.0	0.0	78.9	81.8	%
Efficiency By I/O				83.5	%
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Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/4/2019 7:00 AM Daily Report

Description

Description		PI	ant		Units	
Heating Degree Days			.45		hdd	
Total Plant Steam Flow		291,48				
Steam Flow Per Heating Degree Day		9.0				
Total Condensate Return Water Flow	57-1-1-1		.8		klbs/hdd	
Total Plant Gas Flow			3.12		kscf	
Total Plant Gas Cost			68.42		\$	
Total Plant Oil Flow			.0		gals	
Total Plant Oil Cost			.00		\$	
Total Plant Fuel Cost			58.42		\$	
Fuel Cost Per Heating Degree Day		· 	5.81		\$/hdd	
Plant Average Steam Cost Per Degree Day			.23		\$/klbs	
Total Plant Efficiency By I/O	80.8					
	·				%	
Condensate Transfer Pump #1 Run Time		19	9.6		hrs	
Condensate Transfer Pump #2 Run Time		19	9.6		hrs	
Condensate Transfer Pump #3 Run Time		19	9.6		hrs	
Boiler Feed Pump #1 Run Time		19	9.6		hrs	
Boiler Feed Pump #2 Run Time		19	9.6		hrs	
Boiler Feed Pump #3 Run Time		19	9,6		hrs	
Boiler Feed Pump #4 Run Time		19	9.6		hrs	
Fuel Oil Pump #1 Run Time		19	9.6		hrs	
Fuel Oil Pump #2 Run Time		0	.0	B 2014 + 14 14 - 10 - 10 - 10 - 10 - 10 - 10 - 1	hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.5	0.0	0.8	23.5	hrs	
Steam Flow	0.00	0.00	0.00	291.48	klbs	
Sas Flow	2.07	0.00	2.43	348.62	kscf	
Natural Gas Cost	\$12.74	\$0.00	\$14.91	\$2,140.77	S	
Dil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S	
otal Fuel Cost	\$12.74	\$0.00	\$14.91	\$2,140.77	\$	
Average Steam Cost	•••			\$7.34	\$/klbs	
Efficiency By Losses	74.5	0.0	77.7	81.9	%	
Efficiency By I/O				81.9	%	
Mid-Atlantic Controls Corporation		av Penort			Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/5/2019 7:00 AM Daily Report

		Pl	ant		Units
Heating Degree Days		31	.31		hdd
Total Plant Steam Flow	274.46				
Steam Flow Per Heating Degree Day	H-NF-	8	.8		klbs/hde
Total Condensate Return Water Flow		8	.9		klbs
Total Plant Gas Flow		335	5.13		kscf
Total Plant Gas Cost		\$2,0	57.93		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,0	57.93		\$
Fuel Cost Per Heating Degree Day		\$65	5.74		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.24		\$/klbs
Total Plant Efficiency By I/O	80.2				
Condensate Transfer Pump #1 Run Time		22	2.2		hrs
Condensate Transfer Pump #2 Run Time			2.2		hrs
Condensate Transfer Pump #3 Run Time			2.2		hrs
Boiler Feed Pump #1 Run Time			2,2		hrs
Boiler Feed Pump #2 Run Time			2.2		hrs
Boiler Feed Pump #3 Run Time			2.2		hrs
Boiler Feed Pump #4 Run Time	· · · · · · · · · · · · · · · · · · ·		2.2		hrs
Fuel Oil Pump #1 Run Time			2.2		hrs
Fuel Oil Pump #2 Run Time			.0		hrs
<u> </u>	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0.0	0.8	23.5	hrs
Steam Flow	0.00	0.00	0.00	274.46	klbs
Gas Flow	3.44	0.00	2,47	329.21	kscf
Natural Gas Cost	\$21.14	\$0.00	\$15.19	\$2,021.60	S
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S
Total Fuel Cost	\$21.14	\$0.00	\$15.19	\$2,021.60	\$
Average Steam Cost			_	\$7.37	\$/klbs
Efficiency By Losses	77.9	0.0	74.3	81.9	%
Efficiency By I/O				81.6	%

Heating Plant Day Operations Report

4/6/2019 7:00 AM Daily Report

Description

	Plant						
Heating Degree Days		39	.60		hdd		
Total Plant Steam Flow		28	5.89		klbs		
Steam Flow Per Heating Degree Day		7	2		klbs/hde		
Total Condensate Return Water Flow		8	.6		klbs		
Total Plant Gas Flow		350	0.66		kscf		
Total Plant Gas Cost		\$2,1	53.30		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$2,1	53,30		\$		
Fuel Cost Per Heating Degree Day		\$54	1.38		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.19		\$/klbs		
Total Plant Efficiency By I/O		79	9.8		%		
Condensate Transfer Pump #1 Run Time		20.5					
Condensate Transfer Pump #2 Run Time		20	0.5		hrs		
Condensate Transfer Pump #3 Run Time		20	0.5		hrs		
Boiler Feed Pump #1 Run Time			0.4		hrs		
Boiler Feed Pump #2 Run Time		20	0.4		hrs		
Boiler Feed Pump #3 Run Time		20	0.4		hrs		
Boiler Feed Pump #4 Run Time		20	0.4		hrs		
Fuel Oil Pump #1 Run Time		20	0,5		hrs		
Fuel Oil Pump #2 Run Time		0	.0		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.7	0.0	0.8	23.5	hrs		
Steam Flow	0.00	0.00	0.00	285.89	klbs		
Gas Flow	3.10	0.00	2.47	345.09	kscf		
Natural Gas Cost	\$19.04	\$0.00	\$15.15	\$2,119.11	\$		
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	\$15.15	\$2,119,11	S		
Average Steam Cost			***	\$7.41	\$/klbs		
Efficiency By Losses	72.3	0.0	75.9	81.9	%		
Efficiency By I/O				81.1	%		
Mid-Atlantic Controls Corporation		av Report			Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/7/2019 7:00 AM Daily Report

		PI	ant		Units
Heating Degree Days		0.	00		hdd
Total Plant Steam Flow		247	7.66		klbs
Steam Flow Per Heating Degree Day		-			klbs/hdc
Total Condensate Return Water Flow		9	.4		klbs
Total Plant Gas Flow		294	1.72		kscf
Total Plant Gas Cost		\$1,8	09.81		\$
Total Plant Oil Flow	······································	0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,8	09.81		\$
Fuel Cost Per Heating Degree Day		-			\$/hdd
Plant Average Steam Cost Per Degree Day		•	••		\$/klbs
Total Plant Efficiency By I/O		82	2.3		%
Condense Transfer Days #4 Day Trans				<u> </u>	
Condensate Transfer Pump #1 Run Time			.3		hrs
Condensate Transfer Pump #2 Run Time			.3		hrs
Condensate Transfer Pump #3 Run Time			.3		hrs
Boiler Feed Pump #1 Run Time			.3		hrs
Boiler Feed Pump #2 Run Time			.3		hrs
Boiler Feed Pump #3 Run Time			.3		hrs
Boiler Feed Pump #4 Run Time			.3		hrs
Fuel Oil Pump #1 Run Time			.3		hrs
Fuel Oil Pump #2 Run Time		0	.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.7	23.5	hrs
Steam Flow	0.00	0.00	0.00	247.66	klbs
Gas Flow	1.24	0.00	0.58	292.90	kscf
Natural Gas Cost	\$7.62	\$0.00	\$3.57	\$1,798.63	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$7.62	\$0.00	\$3.57	\$1,798.63	\$
Average Steam Cost				\$7.26	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O				82.8	%

Heating Plant Day Operations Report

4/8/2019 7:00 AM Daily Report

Description

		Plant				
Heating Degree Days		33	.79		Units hdd	
Total Plant Steam Flow		218	3.19		klbs	
Steam Flow Per Heating Degree Day		6	.5		klbs/hdd	
Total Condensate Return Water Flow		9	.6		klbs	
Total Plant Gas Flow		26 ⁻	1.94		kscf	
Total Plant Gas Cost		\$1,6	08.50		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,6	08.50		\$	
Fuel Cost Per Heating Degree Day		\$47	7.60		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.22		\$/klbs	
Total Plant Efficiency By I/O		8′	1.6		%	
Condensate Transfer Pump #1 Run Time		5	.2	1	hrs	
Condensate Transfer Pump #2 Run Time		<u>_</u>	.2		hrs	
Condensate Transfer Pump #3 Run Time			.2		hrs	
Boiler Feed Pump #1 Run Time			.2		hrs	
Boiler Feed Pump #2 Run Time			.2		hrs	
Boiler Feed Pump #3 Run Time			.2		hrs	
Boiler Feed Pump #4 Run Time			.2		hrs	
Fuel Oil Pump #1 Run Time			.2		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.6	0.0	0.7	23.5		
Steam Flow	0.00	0.00	0.00	218.19	hrs	
Gas Flow	0.59	0.00	0.28	261.07	kscf	
Natural Gas Cost	\$3.62	\$0.00	\$1.74	\$1,603,14	S 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	\$3.62	\$0.00	\$1.74		\$	
Average Steam Cost	\$3.02	\$0.00	\$1.74	\$1,603.14 \$7.35	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O	0.0	0.0	0.0	81.8	%	
Mid-Atlantic Controls Corporation		av Papart		01.0	Page 1 of 1	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/9/2019 7:01 AM Daily Report

Description

		Plant					
Heating Degree Days		54	.93		hdd		
Total Plant Steam Flow		219	9.41		klbs		
Steam Flow Per Heating Degree Day	4.0						
Total Condensate Return Water Flow		9	.3		klbs		
Total Plant Gas Flow		278	3.00		kscf		
Total Plant Gas Cost		\$1,7	07.16		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,7	07.16		\$		
Fuel Cost Per Heating Degree Day		\$3	1.08		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.14		\$/klbs		
Total Plant Efficiency By I/O		7:	7.3	1	%		
Condensate Transfer Pump #1 Run Time		16.1					
Condensate Transfer Pump #2 Run Time		16	3.1		hrs		
Condensate Transfer Pump #3 Run Time		16	5.1		hrs		
Boiler Feed Pump #1 Run Time		16	3.0		hrs		
Boiler Feed Pump #2 Run Time		16	5.0		hrs		
Boiler Feed Pump #3 Run Time		16	3.0		hrs		
Boiler Feed Pump #4 Run Time	· · · · · · · · · · · · · · · · · · ·	16	5.0		hrs		
Fuel Oil Pump #1 Run Time		16	5.3		hrs		
Fuel Oil Pump #2 Run Time		0	.0	1	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.6	23.5	hrs		
Steam Flow	0.00	0.00	0.00	219.41	klbs		
Gas Flow	2.54	0.00	11.61	263.85	kscf		
Natural Gas Cost	\$15.62	\$0.00	\$71:31	\$1,620.22	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$15.62	\$0.00	\$71.31	\$1,620,22	\$		
Average Steam Cost		***	-	\$7.38	\$/klbs		
Efficiency By Losses	70.6	0.0	72.4	81.6	%		
Efficiency By I/O				81.4	%		
Mid-Atlantic Controls Corporation		av Report			Page 1 of		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/10/2019 7:00 AM Daily Report

		PI	ant		Units
Heating Degree Days		- 0.	00	we re-	hdd
Total Plant Steam Flow		24	7.37	10.00-270 200	kibs
Steam Flow Per Heating Degree Day					kibs/hd
Total Condensate Return Water Flow		9	3.5		klbs
Total Plant Gas Flow		298	3.12		kscf
Total Plant Gas Cost		\$1,8	30.67		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,8	30.67		\$
Fuel Cost Per Heating Degree Day		MINASSE A SECTION			\$/hdd
Plant Average Steam Cost Per Degree Day			_		\$/klbs
Total Plant Efficiency By I/O	81.3				
				15	
Condensate Transfer Pump #1 Run Time		3	.9		hrs
Condensate Transfer Pump #2 Run Time		3	.9		hrs
Condensate Transfer Pump #3 Run Time		3	.9		hrs
Boiler Feed Pump #1 Run Time		3	.9		hrs
Boiler Feed Pump #2 Run Time		3	.9		hrs
Boiler Feed Pump #3 Run Time		3	.9		hrs
Boiler Feed Pump #4 Run Time		3	.9		hrs
Fuel Oil Pump #1 Run Time		3	.9		hrs
Fuel Oil Pump #2 Run Time		0	.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.7	23.5	hrs
Steam Flow	0.00	0.00	0.00	247.37	klbs
Gas Flow	0.33	0.00	0.30	297.49	kscf
Natural Gas Cost	\$2.03	\$0.00	\$1.82	\$1,826.83	S
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S
Total Fuel Cost	\$2.03	\$0.00	\$1.82	\$1,826.83	S
Average Steam Cost		-	***	\$7.38	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	0.0	%
Efficiency By I/O			-	81.4	%

Heating Plant Day Operations Report

4/11/2019 7:00 AM Daily Report

	Plant				
Heating Degree Days		60	.85		hdd
Total Plant Steam Flow		220	0.97		klbs
Steam Flow Per Heating Degree Day		3	.6		klbs/hde
Total Condensate Return Water Flow		9	.4		klbs
Total Plant Gas Flow		27	1.01		kscf
Total Plant Gas Cost		\$1,6	64.18		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,6	64.18		\$
Fuel Cost Per Heating Degree Day		\$27	7.35		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.12		\$/klbs
Total Plant Efficiency By I/O	79.8				
	-			12	
Condensate Transfer Pump #1 Run Time		22	2.0		hrs
Condensate Transfer Pump #2 Run Time		22	2.0		hrs
Condensate Transfer Pump #3 Run Time		22	2.0		hrs
Boiler Feed Pump #1 Run Time		22	2.0		hrs
Boiler Feed Pump #2 Run Time		22	2.0		hrs
Boiler Feed Pump #3 Run Time		22	2.0		hrs
Boiler Feed Pump #4 Run Time		22	2.0		hrs
Fuel Oil Pump #1 Run Time		22	2.0		hrs
Fuel Oil Pump #2 Run Time		0	.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.7	0.0	0.7	23.5	hrs
Steam Flow	0.00	0.00	0.00	220.97	klbs
Gas Flow	3.51	0.00	2.69	264.81	kscf
Natural Gas Cost	\$21.55	\$0.00	\$16.51	\$1,626.12	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$21.55	\$0.00	\$16.51	\$1,626.12	\$
Average Steam Cost		***		\$7.36	\$/klbs
Efficiency By Losses	78.8	0.0	79.4	81.5	%
Efficiency By I/O				81.7	%

Heating Plant Day Operations Report

4/12/2019 7:00 AM Daily Report

		Pl	ant		Units
Heating Degree Days		3.	.43		hdd
Total Plant Steam Flow		216	5.96		klbs
Steam Flow Per Heating Degree Day		63	3.3		klbs/hd
Total Condensate Return Water Flow		9).5		klbs
Total Plant Gas Flow		25	7.80		kscf
Total Plant Gas Cost		\$1,5	83.11		\$
Total Plant Oil Flow		0	0.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$1,5	83.11		\$
Fuel Cost Per Heating Degree Day		\$46	1.90		\$/hdd
Plant Average Steam Cost Per Degree Day		\$2	.13		\$/klbs
Total Plant Efficiency By I/O		82	2.4	,	%
Condensate Transfer Pump #1 Run Time		23	3.5	1	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			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	0.6	0.0	0.6	23.5	hrs
Steam Flow	0.00	0.00	0.00	216.96	klbs
Gas Flow	2.99	0.00	2.30	252.51	kscf
Natural Gas Cost	\$18.39	\$0.00	\$14.14	\$1,550.59	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$18.39	\$0.00	\$14.14	\$1,550.59	\$
Average Steam Cost			_	\$7.15	\$/klbs
Efficiency By Losses	77.3	0.0	81.1	81.5	%
Efficiency By I/O				84.1	%

Heating Plant Day Operations Report

4/13/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days	0.00						
Total Plant Steam Flow		216	5.27		klbs		
Steam Flow Per Heating Degree Day		-			klbs/hd		
Total Condensate Return Water Flow		9	.2		klbs		
Total Plant Gas Flow		257	7.87		kscf		
Total Plant Gas Cost		\$1,5	B3.52		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost	·	\$1,5	83.52		\$		
Fuel Cost Per Heating Degree Day		-			\$/hdd		
Plant Average Steam Cost Per Degree Day	71-0-	_			\$/klbs		
Total Plant Efficiency By I/O		82	2.1	1	%		
Condensate Transfer Pump #1 Run Time		23.5					
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		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			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	0.6	23.5	hrs		
Steam Flow	0.00	0.00	0.00	216.27	klbs		
Gas Flow	3.07	0.00	2.32	252.48	kscf		
Natural Gas Cost	\$18.85	\$0.00	\$14.22	\$1,550.44	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$18.85	\$0.00	\$14.22	\$1,550.44	\$		
Average Steam Cost	140	***	***	\$7.17	\$/klbs		
Efficiency By Losses	79.1	0.0	74.4	81.6	%		
Efficiency By I/O				83.9	%		

Heating Plant Day Operations Report

4/14/2019 7:00 AM Daily Report

		PI	ant		Units
Heating Degree Days	0,00				
Total Plant Steam Flow		20	8.32		klbs
Steam Flow Per Heating Degree Day			•••		klbs/hc
Total Condensate Return Water Flow		9	1.3		klbs
Total Plant Gas Flow		24	9.23		kscf
Total Plant Gas Cost		\$1,5	30.43		\$
Total Plant Oil Flow		O	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,5	30.43		\$
Fuel Cost Per Heating Degree Day			-		\$/hdd
Plant Average Steam Cost Per Degree Day			<u>at</u>		\$/klbs
Total Plant Efficiency By I/O		8:	1.9		%
Condensate Transfer Pump #1 Run Time		2.	3.5		hrs
Condensate Transfer Pump #2 Run Time			3.5		
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		1114
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	23.5				
ruei Oii FBiiip #2 Ruii Tiide			1.0	<u> </u>	hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	0.6	0,0	0.7	23.5	hrs
Steam Flow	0.00	0.00	0.00	208.32	klbs
Gas Flow	3.07	0.00	2.35	243.81	kscf
Natural Gas Cost	\$18.82	\$0.00	\$14.45	\$1,497.16	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$18.82	\$0.00	\$14.45	\$1,497.16	\$
Average Steam Cost	***			\$7.19	\$/klbs
Efficiency By Losses	78.2	0.0	78.2	81.6	%
Efficiency By I/O				83.7	%

Heating Plant Day Operations Report

4/15/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days		0.00					
Total Plant Steam Flow		20	1.76		klbs		
Steam Flow Per Heating Degree Day		-	-		klbs/hdd		
Total Condensate Return Water Flow		9	.2		klbs		
Total Plant Gas Flow		239	9.72		kscf		
Total Plant Gas Cost		\$1,4	72.05		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,4	72.05		\$		
Fuel Cost Per Heating Degree Day		-			\$/hdd		
Plant Average Steam Cost Per Degree Day			**		\$/klbs		
Total Plant Efficiency By I/O		8/	2.4		%		
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		23	3.5		hrs		
Fuel Oil Pump #2 Run Time		0	.0	7	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.7	23.5	hrs		
Steam Flow	0.00	0.00	0.00	201.76	klbs		
Gas Flow	3.26	0.00	2.53	233.92	kscf		
Natural Gas Cost	\$20.04	\$0.00	\$15.55	\$1,436.46	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$20.04	\$0.00	\$15.55	\$1,436.46	\$		
Average Steam Cost	***			\$7.12	\$/klbs		
Efficiency By Losses	74.5	0.0	75.7	81.6	%		
Efficiency By I/O				84.5	%		

Heating Plant Day Operations Report

4/16/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days	0.00						
Total Plant Steam Flow		237	7.79	Table to the control	klbs		
Steam Flow Per Heating Degree Day					klbs/hd		
Total Condensate Return Water Flow		9	0.0		klbs		
Total Plant Gas Flow		280	0.83	10.77	kscf		
Total Plant Gas Cost		\$1,7	24.51		\$		
Total Plant Oil Flow		0	0.0		gals		
Total Plant Oil Cost			.00	WV THE W	\$		
Total Plant Fuel Cost			24.51		S		
Fuel Cost Per Heating Degree Day					\$/hdd		
Plant Average Steam Cost Per Degree Day			**		\$/klbs		
Total Plant Efficiency By I/O		82	2.9		%		
				1	172		
Condensate Transfer Pump #1 Run Time		14	4.5		hrs		
Condensate Transfer Pump #2 Run Time		14	4.5		hrs		
Condensate Transfer Pump #3 Run Time		14	4.5		hrs		
Boiler Feed Pump #1 Run Time		14	4.5		hrs		
Boiler Feed Pump #2 Run Time		14	4.5		hrs		
Boiler Feed Pump #3 Run Time		14	4.5		hrs		
Boiler Feed Pump #4 Run Time		14	4.5		hrs		
Fuel Oil Pump #1 Run Time		14	4.5		hrs		
Fuel Oil Pump #2 Run Time	0.0						
				H			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.9	0.0	0.1	23.5	hrs		
Steam Flow	0.00	0.00	0.00	237.79	klbs		
Gas Flow	2.48	0.00	0.32	278.03	kscf		
Natural Gas Cost	\$15.25	\$0.00	\$1.94	\$1,707.32	\$		
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	\$15.25	\$0.00	\$1.94	\$1,707.32	\$		
Average Steam Cost				\$7.18	\$/klbs		
Efficiency By Losses	0.0	0.0	0.0	0.0	%		
Efficiency By I/O				83.8	%		

Heating Plant Day Operations Report

4/17/2019 7:00 AM Daily Report

		PI	ant		Units		
Heating Degree Days		61.30					
Total Plant Steam Flow		240	0.04		klbs		
Steam Flow Per Heating Degree Day		3	.9		klbs/hde		
Total Condensate Return Water Flow		8	.9		klbs		
Total Plant Gas Flow		28:	3.17		kscf		
Total Plant Gas Cost		\$1,7	38.89		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,7	38.89		S		
Fuel Cost Per Heating Degree Day		\$28	3.37		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.12		\$/klbs		
Total Plant Efficiency By I/O		8:	3.0		%		
Condensate Transfer Pump #1 Run Time		20.9					
Condensate Transfer Pump #2 Run Time		20	0.9		hrs		
Condensate Transfer Pump #3 Run Time		20	0.9		hrs		
Boiler Feed Pump #1 Run Time		2.	1.0		hrs		
Boiler Feed Pump #2 Run Time		2.	1.0		hrs		
Boiler Feed Pump #3 Run Time		2.	1.0		hrs		
Boiler Feed Pump #4 Run Time		2.	1.0		hrs		
Fuel Oil Pump #1 Run Time		2	1.0		hrs		
Fuel Oil Pump #2 Run Time		0	.0		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	1.1	23.4	hrs		
Steam Flow	0.00	0.00	0.00	240.04	klbs		
Gas Flow	2.84	0.00	2.30	278.03	kscf		
Natural Gas Cost	\$17.45	\$0.00	\$14.15	\$1,707.29	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$17.45	\$0.00	\$14.15	\$1,707.29	\$		
Average Steam Cost			***	\$7.11	\$/klbs		
Efficiency By Losses	78.1	0.0	73.3	81.6	%		
Efficiency By I/O				84.6	%		

Heating Plant Day Operations Report

4/18/2019 7:00 AM Daily Report

		Pl	ant		Units		
Heating Degree Days		0.	00	<u>_</u>	hdd		
Total Plant Steam Flow		223	2,44		klbs		
Steam Flow Per Heating Degree Day		•			klbs/hdc		
Total Condensate Return Water Flow		8	.9		klbs		
Total Plant Gas Flow		26	5.09		kscf		
Total Plant Gas Cost		\$1,6	27.83		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,6	27.83		\$		
Fuel Cost Per Heating Degree Day		•	••		\$/hdd		
Plant Average Steam Cost Per Degree Day		-	_		\$/klbs		
Total Plant Efficiency By I/O	(8 ¹ 87-1)	82	2.2		%		
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		23	3.5		hrs		
Fuel Oil Pump #2 Run Time		0	.0	1	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.6	23.5	hrs		
Steam Flow	0.00	0.00	0.00	222.44	klbs		
Gas Flow	3.17	0.00	2.31	259.61	kscf		
Natural Gas Cost	\$19.46	\$0.00	\$14.19	\$1,594.18	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	\$19.46	\$0.00	\$14.19	\$1,594.18	\$		
Average Steam Cost				\$7.17	\$/klbs		
Efficiency By Losses	79.8	0.0	76.2	81.5	%		
Efficiency By I/O				83.9	%		

Heating Plant Day Operations Report

4/19/2019 7:00 AM Daily Report

		PI	ant		Units		
Heating Degree Days	0.00						
Total Plant Steam Flow		21	5.80		klbs		
Steam Flow Per Heating Degree Day		-	-		klbs/ho		
Total Condensate Return Water Flow		9	.1		klbs		
Total Plant Gas Flow		256	5.94		kscf		
Total Plant Gas Cost		\$1,5	77.82		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,5	77.82		\$		
Fuel Cost Per Heating Degree Day		-			\$/hdd		
Plant Average Steam Cost Per Degree Day		-			\$/klbs		
Total Plant Efficiency By I/O		82	2.3		%		
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		2:	3.5		hrs		
Boiler Feed Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #4 Run Time		23	3.5		hrs		
Fue! Oil Pump #1 Run Time		2:	3.5		hrs		
Fuet Oil Pump #2 Run Time		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	.0	1	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.6	23.5	hrs		
Steam Flow	0.00	0.00	0.00	215.80	klbs		
Gas Flow	3.10	0.00	2.24	251.60	kscf		
Natural Gas Cost	\$19.03	\$0.00	\$13.77	\$1,545.02	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$19.03	\$0.00	\$13.77	\$1,545.02	\$		
Average Steam Cost	***			\$7.16	\$/klbs		
Efficiency By Losses	74.9	0.0	76.9	81.6	%		
Efficiency By I/O				84.0	%		

Heating Plant Day Operations Report

4/20/2019 7:00 AM Daily Report

		PI	ant		Units		
Heating Degree Days	28.67						
Total Plant Steam Flow		218	3.91		klbs		
Steam Flow Per Heating Degree Day		7	.6		klbs/hd		
Total Condensate Return Water Flow		9	.0		klbs		
Total Plant Gas Flow		260	0.98		kscf		
Total Plant Gas Cost		\$1,6	02.61		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,6	02.61		\$		
Fuel Cost Per Heating Degree Day		\$55	5.89		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.26		\$/klbs		
Total Plant Efficiency By I/O		82	2.1	1	%		
Condensate Transfer Pump #1 Run Time		21.9					
Condensate Transfer Pump #2 Run Time		2.	1.9		hrs		
Condensate Transfer Pump #3 Run Time		2	1.9		hrs		
Boiler Feed Pump #1 Run Time		2	1.9		hrs		
Boiler Feed Pump #2 Run Time		2	1.9		hrs		
Boiler Feed Pump #3 Run Time		2.	1.9		hrs		
Boiler Feed Pump #4 Run Time		2	1.9		hrs		
Fuel Oil Pump #1 Run Time		2.	1.9		hrs		
Fuel Oil Pump #2 Run Time	11-5+- 1-6-11-4-11-5-11-3 11-11-11-3 11-11-3	0	.0		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.7	23.5	hrs		
Steam Flow	0.00	0.00	0.00	218.91	klbs		
Gas Flow	2.84	0.00	2.24	255.90	kscf		
Natural Gas Cost	\$17.42	\$0.00	\$13.77	\$1,571.42	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$17.42	\$0.00	\$13.77	\$1,571.42	\$		
Average Steam Cost				\$7.18	\$/klbs		
Efficiency By Losses	73.9	0.0	79.6	81.6	%		
Efficiency By I/O				83.8	%		

Heating Plant Day Operations Report

4/21/2019 7:00 AM Daily Report

		Plant					
Heating Degree Days		0.00					
Total Plant Steam Flow		220).48		klbs		
Steam Flow Per Heating Degree Day		-	-		klbs/hd		
Total Condensate Return Water Flow		9	.1		klbs		
Total Plant Gas Flow		260).53		kscf		
Total Plant Gas Cost		\$1,5	99.87		\$		
Total Plant Oil Flow		0	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,5	99.87		\$		
Fuel Cost Per Heating Degree Day		-	-		\$/hdd		
Plant Average Steam Cost Per Degree Day		-	-		\$/klbs		
Total Plant Efficiency By I/O	82.9						
					·		
Condensate Transfer Pump #1 Run Time		12	2.7		hrs		
Condensate Transfer Pump #2 Run Time		12	2.7		hrs		
Condensate Transfer Pump #3 Run Time		12	2.7		hrs		
Boiler Feed Pump #1 Run Time	12.7						
Boiler Feed Pump #2 Run Time		12	2.7		hrs		
Boiler Feed Pump #3 Run Time		12	2.7		hrs		
Boiler Feed Pump #4 Run Time		12	2.7		hrs		
Fuel Oil Pump #1 Run Time		12	2.7		hrs		
Fuel Oil Pump #2 Run Time		0	.0		hrs		
ant Average Steam Cost Per Degree Day Ital Plant Efficiency By I/O Indensate Transfer Pump #1 Run Time Indensate Transfer Pump #2 Run Time Indensate Transfer Pump #3 Run Time Indensate Transfer Pump #4 Run Time	1			1			
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.7	0.0	0.9	23.5	hrs		
Steam Flow	0.00	0.00	0.00	220.48	klbs		
Gas Flow	1.86	0.00	1.44	257.24	kscf		
Natural Gas Cost	\$11.40	\$0.00	\$8.82	\$1,579.65	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$11.40	\$0.00	\$8.82	\$1,579.65	\$		
Average Steam Cost				\$7.16	\$/klbs		
Efficiency By Losses	0.0	0.0	0.0	0.0	%		
Efficiency By I/O				83.9	%		

Heating Plant Day Operations Report

4/22/2019 7:00 AM Daily Report

Description	<u> </u>	DI			Units		
Hanking Danier Barra		Plant 0.00					
Heating Degree Days					hdd		
Total Plant Steam Flow		22:	7.80		klbs		
Steam Flow Per Heating Degree Day					klbs/hd		
Total Condensate Return Water Flow			.4		klbs		
Total Plant Gas Flow			4.90		kscf		
Total Plant Gas Cost			26.70		\$		
Total Plant Oil Flow			.0		gals		
Total Plant Oil Cost			.00		\$		
Total Plant Fuel Cost		\$1,6	26.70		\$		
Fuel Cost Per Heating Degree Day					\$/hdd		
Plant Average Steam Cost Per Degree Day			••		\$/klbs		
Total Plant Efficiency By I/O		84	4.2		%		
Condensate Transfer Pump #1 Run Time		0	.0	<u> </u>	hrs		
Condensate Transfer Pump #2 Run Time		0	.0		hrs		
Condensate Transfer Pump #3 Run Time		0	.0		hrs		
Boiler Feed Pump #1 Run Time		0	.0		hrs		
Boiler Feed Pump #2 Run Time		0	.0		hrs		
Boiler Feed Pump #3 Run Time		0	.0		hrs		
Boiler Feed Pump #4 Run Time		0	.0		hrs		
Fuel Oil Pump #1 Run Time		0	.0		hrs		
Fuel Oil Pump #2 Run Time		0	.0	,	hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.7	23.5	hrs		
Steam Flow	0.00	0.00	0.00	227.80	klbs		
Gas Flow	0.00	0.00	0.00	264.90	kscf		
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,626.70	\$		
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	\$0.00	\$0.00	\$1,626,70	S		
Average Steam Cost		444	40.00	\$7.14	\$/klbs		
Efficiency By Losses	0.0	0.0	0.0	0.0	%		
Efficiency By I/O			0.0	84.2	%		
Mid-Atlantic Controls Corporation		ay Report	·	. 57.2	Page 1 of		

Heating Plant Day Operations Report

4/23/2019 7:00 AM Daily Report

Description	7.0						
		Plant					
Heating Degree Days	32.00						
Total Plant Steam Flow		24	3,18		klbs		
Steam Flow Per Heating Degree Day		7	7.6		kibs/hdd		
Total Condensate Return Water Flow		8	3.7		klbs		
Total Plant Gas Flow		28	5.71		kscf		
Total Plant Gas Cost		\$1,7	54.48		\$		
Total Plant Oil Flow		(0.0		gals		
Total Plant Oil Cost		\$0	0.00		\$		
Total Plant Fuel Cost		\$1,7	54.48		\$		
Fuel Cost Per Heating Degree Day		\$5	4.83		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	.23		\$/klbs		
Total Plant Efficiency By I/O		8	3.4		%		
Condensate Transfer Pump #1 Run Time			.9	<u> </u>	hrs		
Condensate Transfer Pump #2 Run Time			.9		hrs		
Condensate Transfer Pump #3 Run Time			9		hrs		
Boiler Feed Pump #1 Run Time			.9		hrs		
Boiler Feed Pump #2 Run Time			.9		hrs		
Boiler Feed Pump #3 Run Time			.9		hrs		
Boiler Feed Pump #4 Run Time			.9		hrs		
Fuel Oil Pump #1 Run Time			.9		hrs		
Fuel Oil Pump #2 Run Time		0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.8	23.5	hrs		
Steam Flow	0.00	0.00	0.00	243.18	kibs		
Gas Flow	0.80	0.00	0.00	284.92	kscf		
Natural Gas Cost	\$4.88	\$0.00	\$0.00	\$1,749.60	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	\$4.88	\$0.00	\$0.00	\$1,749.60	S		
Average Steam Cost	***	_		\$7.19	\$/klbs		
Efficiency By Losses	0.0	0.0	0.0	0.0	%		
Efficiency By I/O				83.6	%		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/24/2019 7:00 AM Daily Report

Description							
		Plant					
Heating Degree Days	_48	0.	00		hdd		
Total Plant Steam Flow		24:	3.65		klbs		
Steam Flow Per Heating Degree Day			_		klbs/hdd		
Total Condensate Return Water Flow		8	.7		klbs		
Total Plant Gas Flow		28	5.67		kscf		
Total Plant Gas Cost		\$1,7	54.26		\$		
Total Plant Oil Flow		C	.0		gals		
Total Plant Oil Cost		\$0	.00		\$		
Total Plant Fuel Cost		\$1,7	54.26		\$		
Fuel Cost Per Heating Degree Day					\$/hdd		
Plant Average Steam Cost Per Degree Day			-		\$/klbs		
Total Plant Efficiency By I/O		8	3.5		%		
Condensate Transfer Pump #1 Run Time		0.0					
Condensate Transfer Pump #2 Run Time		C	0.0		hrs		
Condensate Transfer Pump #3 Run Time		C	1.0		hrs		
Boiler Feed Pump #1 Run Time		C	1.0		hrs		
Boiler Feed Pump #2 Run Time		C	0.0		hrs		
Boiler Feed Pump #3 Run Time		C	0.0		hrs		
Boiler Feed Pump #4 Run Time		C	0.0		hrs		
Fuel Oil Pump #1 Run Time		C	0.0		hrs		
Fuel Oil Pump #2 Run Time		C	0.0		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	0.6	0.0	0.7	23.5	hrs		
Steam Flow	0.00	0.00	0.00	243.65	klbs		
Gas Flow	0.00	0.00	0.00	285.67	kscf		
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.26	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	\$0.00	\$0.00	\$1,754.26	\$		
Average Steam Cost		•••		\$7.20	\$/klbs		
Efficiency By Losses	0.0	0.0	0.0	0.0	%		
Efficiency By I/O				83.5	%		

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/25/2019 7:00 AM Daily Report

Description

Description						
	Plant					
Heating Degree Days		0.00				
Total Plant Steam Flow	243.68					
Steam Flow Per Heating Degree Day	Arms					
Total Condensate Return Water Flow		8	1.7		klbs	
Total Plant Gas Flow		28	5.70		kscf	
Total Plant Gas Cost		\$1,7	54.42		\$	
Total Plant Oil Flow		C	1.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	54.42		\$	
Fuel Cost Per Heating Degree Day		•	***		\$/hdd	
Plant Average Steam Cost Per Degree Day		•			\$/klbs	
Total Plant Efficiency By I/O		8	3.5		%	
Condensate Transfer Pump #1 Run Time		C	0.0		hrs	
Condensate Transfer Pump #2 Run Time	0.0					
Condensate Transfer Pump #3 Run Time	0.0					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time		C	1.0		hrs	
Boiler Feed Pump #4 Run Time	0.0					
Fuel Oil Pump #1 Run Time		C	1.0		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	0.7	23.5	hrs	
Steam Flow	0.00	0.00	0.00	243.68	klbs	
Gas Flow	0.00	0.00	0.00	285.70	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.42	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$0.00	\$0.00	\$1,754.42	\$	
Average Steam Cost	•••	***		\$7.20	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O	83.5					

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/26/2019 7:00 AM Daily Report

Description

Description						
		Pl	ant		Units	
Heating Degree Days		0.00				
Total Plant Steam Flow		243.67				
Steam Flow Per Heating Degree Day			_		klbs/hd	
Total Condensate Return Water Flow		8	.7		klbs	
Total Plant Gas Flow		285	5.69		kscf	
Total Plant Gas Cost		\$1,7	54.35		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$1,7	54.35		\$	
Fuel Cost Per Heating Degree Day			_		\$/hdd	
Plant Average Steam Cost Per Degree Day			••		\$/klbs	
Total Plant Efficiency By I/O		83	3.5		%	
Condensate Transfer Pump #1 Run Time		0	.0		hrs	
Condensate Transfer Pump #2 Run Time			.0		hrs	
Condensate Transfer Pump #3 Run Time	0.0					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time		0.0				
Boiler Feed Pump #4 Run Time	0.0					
Fuel Oil Pump #1 Run Time			.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	0.6	23.5	hrs	
Steam Flow	0.00	0.00	0.00	243.67	klbs	
Gas Flow	0.00	0.00	0.00	285.69	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.35	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	\$0.00	\$0.00	\$1,754.35	\$	
Average Steam Cost		φο.σσ	Ψ0.00	\$7.20	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O	0.0		0.0	83.5	%	
Mid-Atlantic Controls Corporation	,	av Report		00.0	Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/27/2019 7:00 AM **Daily Report**

	Plant					
Heating Degree Days	0.00					
Total Plant Steam Flow		24	3.66		klbs	
Steam Flow Per Heating Degree Day						
Total Condensate Return Water Flow		8.7				
Total Plant Gas Flow		28	5.69		klbs kscf	
Total Plant Gas Cost			54.33		\$	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost			0.00		\$	
Total Plant Fuel Cost		\$1,7	54.33		S	
Fuel Cost Per Heating Degree Day					\$/hdd	
Plant Average Steam Cost Per Degree Day				- V 30 700	\$/klbs	
Total Plant Efficiency By I/O		83.5				
			· · · · · · · · · · · · · · · · · · ·	4		
Condensate Transfer Pump #1 Run Time		C	0,0		hrs	
Condensate Transfer Pump #2 Run Time		0	0,0		hrs	
Condensate Transfer Pump #3 Run Time		0	0.0		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time	0.0					
Boiler Feed Pump #4 Run Time		0	0.0		hrs	
Fuel Oil Pump #1 Run Time		0	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	0.8	23.4	hrs	
Steam Flow	0.00	0.00	0.00	243.66	klbs	
Gas Flow	0.00	0.00	0.00	285.69		
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.33	kscf \$	
Oil Flow	0.0	0.0	0.0	0.0		
Dil Cost	\$0.00	\$0.00			gals	
Fotal Fuel Cost	\$0.00	\$0.00	\$0.00 \$0.00	\$0.00	\$	
Average Steam Cost	φυ.υυ	30.00	\$0.00	\$1,754.33	\$ 60000	
Efficiency By Losses	0.0	0.0	0.0	\$7.20	\$/klbs	
Efficiency By I/O	0.0	0.0	0.0	0.0	%	
Mid Alleria Control Control			1	83.5	%	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/28/2019 7:00 AM Daily Report

	Plant					
Heating Degree Days	0.00					
Total Plant Steam Flow			3.66		hdd klbs	
Steam Flow Per Heating Degree Day			_		kibs/hde	
Total Condensate Return Water Flow		8	.7		klbs	
Total Plant Gas Flow			5.68		kscf	
Total Plant Gas Cost			54.30		S	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost			.00		\$	
Total Plant Fuel Cost			54.30		\$	
Fuel Cost Per Heating Degree Day		-	_		\$/hdd	
Plant Average Steam Cost Per Degree Day		-			\$/klbs	
Total Plant Efficiency By I/O		83	3.5		%	
		<u> </u>				
Condensate Transfer Pump #1 Run Time		0	.0		hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time	0.0					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time	0,0					
Boiler Feed Pump #4 Run Time		0	.0		hrs	
Fuel Oil Pump #1 Run Time		0	.0		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.6	0.0	0.8	23.5	hrs	
Steam Flow	0.00	0.00	0.00	243.66	klbs	
Gas Flow	0.00	0.00	0.00	285.68	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.30	S	
Dil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$0.00	\$0.00	\$0.00	\$1,754.30	\$	
Average Steam Cost		4	40.00	\$7,20	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O			<u> </u>	83.5	%	
Mid-Atlantic Controls Corporation	Day Pened					

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Day Report

Heating Plant Day Operations Report

4/29/2019 7:00 AM **Daily Report**

Description						
	Plant					
Heating Degree Days	0.00					
Total Plant Steam Flow		243 66				
Steam Flow Per Heating Degree Day					klbs/hdd	
Total Condensate Return Water Flow		8.7				
Total Plant Gas Flow		28	5.69		kscf	
Total Plant Gas Cost		\$1,7	54.34		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,7	54.34		S	
Fuel Cost Per Heating Degree Day					\$/hdd	
Plant Average Steam Cost Per Degree Day			Prints		\$/klbs	
Total Plant Efficiency By I/O		8	3.5		%	
Condensate Transfer Pump #1 Run Time			0.0	1	hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time	0.0					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time	0.0					
Boiler Feed Pump #4 Run Time	0.0					
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	1.0	23.5	hrs	
Steam Flow	0.00	0.00	0.00	243.66	klbs	
Gas Flow	0.00	0.00	0.00	285.69	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$0.00	\$1,754.34	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	\$0.00	\$0.00	\$1,754.34	S	
Average Steam Cost	_		•••	\$7.20	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O				83.5	%	

Mid-Atlantic Controls Corporation

Day Report

Heating Plant Day Operations Report

4/30/2019 7:00 AM Daily Report

Description

<u>Description</u>						
	Plant					
Heating Degree Days		35.28				
Total Plant Steam Flow		22	8.65		klbs	
Steam Flow Per Heating Degree Day		(3,5		klbs/hdd	
Total Condensate Return Water Flow			3.8		klbs	
Total Plant Gas Flow		28	1.58		kscf	
Total Plant Gas Cost		\$1,7	29.12		\$	
Total Plant Oil Flow		1	0.0		gals	
Total Plant Oil Cost		\$(0.00		\$	
Total Plant Fuel Cost		\$1,7	29.12		\$	
Fuel Cost Per Heating Degree Day		\$4	9.02		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.21		\$/klbs	
Total Plant Efficiency By I/O		7	9.5		%	
Condensate Transfer Pump #1 Run Time			3.6		hrs	
Condensate Transfer Pump #2 Run Time			3.6		hrs	
Condensate Transfer Pump #3 Run Time	3.6					
Boiler Feed Pump #1 Run Time	3.6					
Boiler Feed Pump #2 Run Time	3.6					
Boiler Feed Pump #3 Run Time	3.6					
Boiler Feed Pump #4 Run Time			3.6		hrs	
Fuel Oil Pump #1 Run Time			3.6		hrs	
Fuel Oit Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.5	0.0	21.5	1.8	hrs	
Steam Flow	0.00	0.00	134.10	94.56	klbs	
Gas Flow	0.00	0.00	171.69	109.89	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$1,054.30	\$674.83	S	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	S	
Total Fuel Cost	\$0.00	\$0.00	\$1,054.30	\$674.83	S	
Average Steam Cost	•••	***	\$7.86	\$7.14	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	0.0	%	
Efficiency By I/O			76.5	84.3	%	

Mid-Atlantic Controls Corporation

Day Report