Heating Plant Day Operations Report

3/1/2018 7:00 AM Daily Report

Mid-Atlantic Controls Corporation

Description	- -	DI	ant		Units	
Heating Degree Days	17.02				hdd	
Total Plant Steam Flow	277.54					
Steam Flow Per Heating Degree Day		The second secon	5.3		klbs klbs/hdd	
Total Condensate Return Water Flow			5.7		klbs	
Total Plant Gas Flow			2.04		kscf	
Total Plant Gas Cost			77.58		\$	
Total Plant Oil Flow			0	150	gals	
Total Plant Oil Cost			1.14		\$	
Total Plant Fuel Cost			77.72		\$	
Fuel Cost Per Heating Degree Day		-	6.18		\$/hdd	
Plant Average Steam Cost Per Degree Day	_ = = = = = = = = = = = = = = = = = = =		.42		\$/klbs	
Total Plant Efficiency By I/O			4.4		%	
Total China and any any			1,7		70	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time	*	0.0				
Condensate Transfer Pump #3 Run Time	-	2	3.5	nded-derede	hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time		2	3.5		hrs	
Boiler Feed Pump #4 Run Time		C	0.0		hrs	
Fuel Oil Pump #1 Run Time		To the second	.0		hrs	
Fuel Oil Pump #2 Run Time	7	C	0	*	hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	0.8	0.0	0.5	23.4	hrs	
Steam Flow	1.46	0.00	0.00	276.09	klbs	
Gas Flow	5.90	0.00	2.67	313.48	kscf	
Natural Gas Cost	\$36.20	\$0.00	\$16.40	\$1,924.97	S	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.14	\$	
Total Fuel Cost	\$36.20	\$0.00	\$16.40	\$1,925.12	S	
Average Steam Cost	\$24.83		***	\$6.97	\$/kibs	
Efficiency By Losses	0.0	0.0	79.6	81.8	%	
Efficiency By I/O	24.2			86.2	%	

Day Report

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Heating Plant Day Operations Report

3/2/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days	15.35					
Total Plant Steam Flow		280	0.39		klbs	
Steam Flow Per Heating Degree Day		18	3.3		klbs/hd	
Total Condensate Return Water Flow		. 4	.3		klbs	
Total Plant Gas Flow		325	5.66		kscf	
Total Plant Gas Cost		\$1,9	99.81		\$	
Total Plant Oil Flow	A - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	0	.0		gals	
Total Plant Oil Cost		\$0	.08		\$	
Total Plant Fuel Cost	T- 11 - 7 T	\$1,9	99.90		\$	
Fuel Cost Per Heating Degree Day		\$13	0.28		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.46		\$/klbs	
Total Plant Efficiency By I/O		84.3				
Condensate Transfer Pump #1 Run Time		23	3.5		hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time		2:	3.5		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	0.9	0.0	0.6	23.5	hrs	
Steam Flow	0.00	0.00	0.00	280.39	klbs	
Gas Flow	5.24	0.00	3.04	317.38	kscf	
Natural Gas Cost	\$32.15	\$0.00	\$18.69	\$1,948.97	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.08	S	
Total Fuel Cost	\$32.15	\$0.00	\$18.69	\$1,949.06	\$	
Average Steam Cost		_	***	\$6.95	\$/klbs	
Efficiency By Losses	0.0	0.0	79.4	81.8	%	
Efficiency By I/O				86.5	%	

Heating Plant Day Operations Report

3/3/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		66.73				
Total Plant Steam Flow		32	5.12		klbs	
Steam Flow Per Heating Degree Day		4	.9		klbs/hdc	
Total Condensate Return Water Flow		3	.7		klbs	
Total Plant Gas Flow		374	1.46		kscf	
Total Plant Gas Cost		\$2,2	99.49		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,2	99.49		S	
Fuel Cost Per Heating Degree Day		\$34	1.46		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.11		\$/klbs	
Total Plant Efficiency By I/O		8	5.0		%	
Condensate Transfer Pump #1 Run Time		2:	3.5		hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time		2:	3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time		0	.0		hrs	
Boiler Feed Pump #3 Run Time		2:	3.5		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	1.1	0.0	0.7	23.5	hrs	
Steam Flow	2.22	0.00	0.00	322.90	klbs	
Gas Flow	7.74	0.00	3.36	363.37	kscf	
Natural Gas Cost	\$47.51	\$0.00	\$20.65	\$2,231,34	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	\$47.51	\$0.00	\$20.65	\$2,231.34	\$	
Average Steam Cost	\$21.35	_	_	\$6.91	\$/klbs	
Efficiency By Losses	0.0	0.0	78.6	82.0	%	
Efficiency By I/O	28.2			87.0	%	

Heating Plant Day Operations Report

3/4/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		22	2.42		hdd	
Total Plant Steam Flow		30	8.89		klbs	
Steam Flow Per Heating Degree Day		1:	3.8		klbs/hd	
Total Condensate Return Water Flow		4	l.1		klbs	
Total Plant Gas Flow		35	3.89		kscf	
Total Plant Gas Cost		\$2,1	73.14		S	
Total Plant Oil Flow		0	1.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,1	73.14		S	
Fuel Cost Per Heating Degree Day			6.93		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).31		\$/klbs	
Total Plant Efficiency By I/O			5.5		%	
Condensate Transfer Pump #1 Run Time		2'	3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0			
Condensate Transfer Pump #3 Run Time					hrs	
Boiler Feed Pump #1 Run Time	23.5					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time		The second secon	3.5		hrs	
Boiler Feed Pump #4 Run Time			.0		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
			.0		hrs	
Run Time	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Steam Flow	8.0	0.0	0.7	23.5	hrs	
	0.00	0.00	0.00	308.89	klbs	
Gas Flow	4.39	0.00	3.54	345.96	kscf	
Natural Gas Cost	\$26.98	\$0.00	\$21.74	\$2,124.43	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$26.98	\$0.00	\$21.74	\$2,124.43	\$	
Average Steam Cost				\$6.88	\$/klbs	
Efficiency By Losses	0.0	0.0	76.4	82.0	%	
Efficiency By I/O Mid-Atlantic Controls Corporation				87.4	%	

Heating Plant Day Operations Report

3/5/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		23	3.26		hdd	
Total Plant Steam Flow		30	6.27		klbs	
Steam Flow Per Heating Degree Day		1	3.2		klbs/hd	
Total Condensate Return Water Flow		4	1.0		klbs	
Total Plant Gas Flow		34	8.15		kscf	
Total Plant Gas Cost		\$2,1	37.89		\$	
Total Plant Oil Flow		().0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,1	37.89		S	
Fuel Cost Per Heating Degree Day			1.93		\$/hdd	
Plant Average Steam Cost Per Degree Day),30		\$/klbs	
Total Plant Efficiency By I/O			6.2		%	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #4 Run Time			.0		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time	0.0					
					hrs	
Run Time	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
	0.8	0.0	0.0	23.5	hrs	
Steam Flow Gas Flow	0.00	0.00	0.00	306.27	klbs	
	4.49	0.00	0.00	343.65	kscf	
Natural Gas Cost	\$27.60	\$0.00	\$0.00	\$2,110.30	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$27.60	\$0.00	\$0.00	\$2,110.30	\$	
Average Steam Cost	-			\$6.89	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	82.0	%	
Efficiency By I/O Mid-Atlantic Controls Corporation				87.3	%	

Heating Plant Day Operations Report

3/6/2018 7:00 AM Daily Report

Description

Description					Units	
	Plant					
Heating Degree Days	27,42					
Total Plant Steam Flow			2.70		klbs	
Steam Flow Per Heating Degree Day			2.1		klbs/hdd	
Total Condensate Return Water Flow		3	.9		klbs	
Total Plant Gas Flow		360	5.13		kscf	
Total Plant Gas Cost		\$2,2	48.30		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,2	48.30		\$	
Fuel Cost Per Heating Degree Day		\$82	2.01		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.25		\$/klbs	
Total Plant Efficiency By I/O		89	9.0		%	
Condensate Transfer Pump #1 Run Time		2:	3.5		hrs	
Condensate Transfer Pump #2 Run Time			.3		hrs	
Condensate Transfer Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #4 Run Time			.0		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	16.9	0.0	0.8	7.2	hrs	
Steam Flow	223.90	0.00	0.00	108.80	klbs	
Gas Flow	241.02	0.00	4.38	120.73	kscf	
Natural Gas Cost	\$1,480.06	\$0.00	\$26.88	\$741.36	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$1,480.06	\$0.00	\$26.88	\$741.36	S	
Average Steam Cost	\$6.61		\$20.00	\$6.81	\$/klbs	
Efficiency By Losses	0.0	0.0	76.1	73.4	%	
Efficiency By I/O	91.0	0.0	10.1	88.3	%	
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Mid-Atlantic Controls Corporation

Day Report

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Heating Plant Day Operations Report

3/7/2018 7:00 AM Daily Report

Description					
	Plant				
Heating Degree Days		28	.93		hdd
Total Plant Steam Flow		333	2.03		klbs
Steam Flow Per Heating Degree Day		1	1.5	2	klbs/hde
Total Condensate Return Water Flow		3	.8		klbs
Total Plant Gas Flow		35	3.08	or the country.	kscf
Total Plant Gas Cost		\$2,1	98.86		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,1	98.86		\$
Fuel Cost Per Heating Degree Day		\$70	5.01		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.23		\$/klbs
Total Plant Efficiency By I/O		90	0.8		%
Condensate Transfer Pump #1 Run Time		2'	3.5		hrs
Condensate Transfer Pump #2 Run Time			.0		hrs
Condensate Transfer Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #1 Run Time					hrs
Boiler Feed Pump #2 Run Time	0.0 3.0				
Boiler Feed Pump #3 Run Time			7.7		hrs
Boiler Feed Pump #4 Run Time			.8		hrs
Fuel Oil Pump #1 Run Time					hrs
Fuel Oil Pump #2 Run Time	0.0				
1 del Oil Pullip #2 I dui Tillie			.0		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	23.5	0.0	0.1	0.6	hrs
Steam Flow	331.98	0.00	0.00	0.05	klbs
Gas Flow	354.10	0.00	0.59	3.39	kscf
Natural Gas Cost	\$2,174.43	\$0.00	\$3.63	\$20.80	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00 \$0.00 \$0.00				
Total Fuel Cost	\$2,174.43	\$0.00	\$3.63	\$20.80	\$
Average Steam Cost	\$6.55	direkton	***	\$434.80	\$/klbs
Efficiency By Losses	0.0	0.0	0.0	78.8	%
Efficiency By I/O	91.8			1.4	%

Heating Plant Day Operations Report

3/8/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		21.05				
Total Plant Steam Flow			5.85		hdd klbs	
Steam Flow Per Heating Degree Day			5.5		klbs/hdd	
Total Condensate Return Water Flow			.2		klbs	
Total Plant Gas Flow			1.61		kscf	
Total Plant Gas Cost			59.17		S	
Total Plant Oil Flow			.0		gals	
Total Plant Oil Cost			.00		\$	
Total Plant Fuel Cost			59.17		\$	
Fuel Cost Per Heating Degree Day			2.57		\$/hdd	
Plant Average Steam Cost Per Degree Day			.31		\$/klbs	
Total Plant Efficiency By I/O			1.0		%	
				-		
Condensate Transfer Pump #1 Run Time		23	3.5		hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time		23	3.5		hrs	
Boiler Feed Pump #1 Run Time		0	.0		hrs	
Boiler Feed Pump #2 Run Time	12.2					
Boiler Feed Pump #3 Run Time		0	.0		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	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.6	hrs	
Steam Flow	326.85	0.00	0.00	0.00	klbs	
Gas Flow	348.48	0.00	0.00	3.13	kscf	
Natural Gas Cost	\$2,139.93	\$0.00	\$0.00	\$19.24	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	\$2,139.93					
Average Steam Cost	\$6.55	***		_	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	81.2	%	
Efficiency By I/O	91.9			-	%	

Heating Plant Day Operations Report

3/9/2018 7:00 AM Daily Report

Description

Description						
		Plant				
Heating Degree Days		29	.85		hdd	
Total Plant Steam Flow		337	7.40		klbs	
Steam Flow Per Heating Degree Day		11	1.3		klbs/hdd	
Total Condensate Return Water Flow		4	.6		klbs	
Total Plant Gas Flow		36	1.83		kscf	
Total Plant Gas Cost		\$2,2	21.90		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,2	21.90		\$	
Fuel Cost Per Heating Degree Day		\$74	1.44		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.22		\$/klbs	
Total Plant Efficiency By I/O		9.	1.3		%	
Condensate Transfer Burn #4 Burn Time		0.0				
Condensate Transfer Pump #1 Run Time			3.5		hrs	
Condensate Transfer Pump #2 Run Time			.0		hrs	
Condensate Transfer Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #1 Run Time		0.0				
Boiler Feed Pump #2 Run Time			2.2		hrs	
Boiler Feed Pump #3 Run Time			.0		hrs	
Boiler Feed Pump #4 Run Time			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time		0	.0	I	hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	0.0	0.5	hrs	
Steam Flow	337.40	0.00	0.00	0.00	klbs	
Gas Flow	358.77	0.00	0.00	3.06	kscf	
Natural Gas Cost	\$2,203.10	\$0.00	\$0.00	\$18.80	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$2,203.10	\$0.00	\$0.00	\$18.80	S	
Average Steam Cost	\$6.53		_		\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	79.2	%	
Efficiency By I/O	92.1			1	%	
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Mid-Atlantic Controls Corporation

Day Report

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Heating Plant Day Operations Report

3/10/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		29.83				
Total Plant Steam Flow		326	5.79		klbs	
Steam Flow Per Heating Degree Day		1.	1.0		klbs/hdd	
Total Condensate Return Water Flow		4	.6		klbs	
Total Plant Gas Flow		386	5.94		kscf	
Total Plant Gas Cost		\$2,3	76.08		\$	
Total Plant Oil Flow		0	.0		gals	
Total Plant Oil Cost		\$0	.00		\$	
Total Plant Fuel Cost		\$2,3	76.08		S	
Fuel Cost Per Heating Degree Day		\$79	3.66		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	.24		\$/klbs	
Total Plant Efficiency By I/O	11 11 11 11 11 11 11 11 11 11 11 11 11	82	2.7		%	
Condensate Transfer Pump #1 Run Time		23	3.5	1	hrs	
Condensate Transfer Pump #2 Run Time		0	.0		hrs	
Condensate Transfer Pump #3 Run Time			3.5		brs	
Boiler Feed Pump #1 Run Time			.0		hrs	
Boiler Feed Pump #2 Run Time		21	1.3		hrs	
Boiler Feed Pump #3 Run Time			.2		hrs	
Boiler Feed Pump #4 Run Time			3.5		hrs	
Fuel Oil Pump #1 Run Time			.0		hrs	
Fuel Oil Pump #2 Run Time			.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.2	0.0	0.0	19.4	hrs	
Steam Flow	169.75	0.00	0.00	157.04	klbs	
Gas Flow	200.01	0.00	0.00	186.93	kscf	
Natural Gas Cost	\$1,228.21	\$0.00	\$0.00	\$1,147.87	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	\$1,228,21	\$0.00	\$0.00	\$1,147.87	\$	
Average Steam Cost	\$7.24	•••		\$7.31	\$/klbs	
Efficiency By Losses	0.0	0.0	0.0	81.3	%	
Efficiency By I/O	83.1		3.0	82.3	%	

Heating Plant Day Operations Report

3/11/2018 7:00 AM Daily Report

	Plant				
Heating Degree Days		25	.21		hdd
Total Plant Steam Flow		293	3.08		klbs
Steam Flow Per Heating Degree Day		1.	1.6		klbs/hd
Total Condensate Return Water Flow		3	.9		klbs
Total Plant Gas Flow		353	3.78		kscf
Total Plant Gas Cost		\$2,1	72.46		\$
Total Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,1	72.46		S
Fuel Cost Per Heating Degree Day			5.17		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	.29		\$/klbs
Total Plant Efficiency By I/O		8′	1.1		%
Condensate Transfer Pump #1 Ruл Time		22	2.5		hrs
Condensate Transfer Pump #2 Run Time			.0		hrs
Condensate Transfer Pump #3 Run Time			2.5		hrs
Boiler Feed Pump #1 Run Time			.0		hrs
Boiler Feed Pump #2 Run Time		-	2.5		hrs
Boiler Feed Pump #3 Run Time			.0		hrs
Boiler Feed Pump #4 Run Time	····		2.5		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	22.5	0.0	0.0	22.5	hrs
Steam Flow	121.19	0.00	0.00	171.88	kibs
Gas Flow	151.33	0.00	0.00	202.45	kscf
Natural Gas Cost	\$929.28	\$0.00	\$0.00	\$1,243,19	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	\$929.28	\$0.00	\$0.00	\$1,243.19	\$
Average Steam Cost	\$7.67	400	75.00	\$7.23	\$/klbs
Efficiency By Losses	79.6	0.0	0.0	81.3	%
Efficiency By I/O	78.4			83.1	%

Heating Plant Day Operations Report

3/12/2018 7:00 AM **Daily Report**

Description

Description					Units
	Plant				
Heating Degree Days		23	.97		hdd
Total Plant Steam Flow			1.04		klbs
Steam Flow Per Heating Degree Day			3.0		klbs/hdd
Fotal Condensate Return Water Flow			.3		klbs
Total Plant Gas Flow		385	5.92		kscf
Total Plant Gas Cost		\$2,3	59.81		\$
Fotal Plant Oil Flow		0	.0		gals
Total Plant Oil Cost		\$0	.00		\$
Total Plant Fuel Cost		\$2,3	59.81		\$
Fuel Cost Per Heating Degree Day		\$98	3.88		\$/hdd
Plant Average Steam Cost Per Degree Day	,	\$0	.32		\$/klbs
Total Plant Efficiency By I/O		78	3.9		%
Condensate Transfer Pump #1 Run Time		23	3.5		hrs
Condensate Transfer Pump #2 Run Time			.0		hrs
Condensate Transfer Pump #3 Run Time			3.5		hrs
Boiler Feed Pump #1 Run Time			.0		hrs
Boiler Feed Pump #2 Run Time			3.5		hrs
Boiler Feed Pump #3 Run Time			3.8		hrs
Boiler Feed Pump #4 Run Time			.9		hrs
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	23.5	0,0	0.0	23.5	hrs
Steam Flow	126.13	0.00	0.00	184.90	klbs
Gas Flow	161.39	0.00	0.00	224.52	kscf
Natural Gas Cost	\$991.08	\$0.00	\$0.00	\$1,378.73	\$
Oil Flow	0.0	0.0	0.0	0.0	gals
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$
Total Fuel Cost	\$991.08	\$0.00	\$0.00	\$1,378,73	\$
Average Steam Cost	\$7.86		_	\$7.46	\$/klbs
Efficiency By Losses	77.9	0.0	0.0	81.2	%
Efficiency By I/O	76.5			80.7	%
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Heating Plant Day Operations Report

3/13/2018 7:00 AM Daily Report

		PI	ant		Units	
Heating Degree Days		30.63				
Total Plant Steam Flow		359	9.93		klbs	
Steam Flow Per Heating Degree Day		1	1.8		klbs/hde	
Total Condensate Return Water Flow		4	.3		klþs	
Total Plant Gas Flow		454	4.28		kscf	
Total Plant Gas Cost		\$2,7	89.60		\$	
Total Plant Oil Flow		0	1.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,7	89.60		S	
Fuel Cost Per Heating Degree Day		\$9	1.08		\$/hdd	
Plant Average Steam Cost Per Degree Day	\$0.25					
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			0.0		hrs	
Condensate Transfer Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #1 Run Time			0.0		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			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	23.3	0.0	19.8	21.8	hrs	
Steam Flow	145.25	0.00	96.55	118.12	kibs	
Gas Flow	180.33	0.00	124.92	149.03	kscf	
Natural Gas Cost	\$1,107.34	\$0.00	\$767.09	\$915.18	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	\$1,107.34	\$0.00	\$767.09	\$915.18	S	
Average Steam Cost	\$7.62		\$7.94	\$7.75	\$/klbs	
Efficiency By Losses	0.0	0.0	82.7	81.1	%	
Efficiency By I/O	78.9	0.0	75.7	77.6	%	

Heating Plant Day Operations Report

3/14/2018 7:00 AM Daily Report

Description					Units		
	Plant						
Heating Degree Days			3,26		hdd		
Total Plant Steam Flow			0.87		klbs		
Steam Flow Per Heating Degree Day			2.1		klbs/hd		
Total Condensate Return Water Flow			3.0		klbs		
Total Plant Gas Flow			3.73		kscf		
Total Plant Gas Cost		\$2,5	40.62		\$		
Total Plant Oil Flow			0.0		gals		
Total Plant Oil Cost		\$0	0.00		\$		
Total Plant Fuel Cost		\$2,5	40.62		\$		
Fuel Cost Per Heating Degree Day		\$8	9.90		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	0.26		\$/klbs		
Total Plant Efficiency By I/O		8	0.7		%		
Condensate Transfer Pump #1 Run Time		23.5					
Condensate Transfer Pump #2 Run Time			0.0		hrs		
Condensate Transfer Pump #3 Run Time			3.5		hrs		
Boiler Feed Pump #1 Run Time			0.0		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			0.0		hrs		
Fuel Oil Pump #1 Run Time			0.0	-	hrs		
Fuel Oil Pump #2 Run Time			0.0		hrs		
					100.00		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	8.3	0.0	23.5	23.5	hrs		
Steam Flow	42.63	0.00	165.45	132.79	klbs		
Gas Flow	55.96	0.00	192.46	165.31	kscf		
Natural Gas Cost	\$343.65	\$0.00	\$1,181.83	\$1,015.14	\$		
Oil Flow	0.0	0.0	0.0	0.0	gals		
Oil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$		
Total Fuel Cost	\$343.65	\$0.00	\$1,181.83	\$1,015.14	\$		
Average Steam Cost	\$8.06		\$7.14	\$7.64	\$/klbs		
Efficiency By Losses	0.0	0.0	82.8	81.1	%		
Efficiency By I/O	74.6		84.2	78.7	%		

Heating Plant Day Operations Report

3/15/2018 7:00 AM Daily Report

	Plant				
Heating Degree Days		30	0.90		hdd
Total Plant Steam Flow		35	0.21		klbs
Steam Flow Per Heating Degree Day		1	1.3		klbs/ho
Total Condensate Return Water Flow		4	1.5		klbs
Total Plant Gas Flow		41	9.41		kscf
Total Plant Gas Cost		\$2,5	75.48		\$
Total Plant Oil Flow		(0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$2,5	75.48		\$
Fuel Cost Per Heating Degree Day		\$8	3.34		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0	0.24		\$/klbs
Fotal Plant Efficiency By I/O 81.8					%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time			0.0		hrs
Condensate Transfer Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #1 Run Time		(0.0		hrs
Boiler Feed Pump #2 Run Time		2	3.5		hrs
Boiler Feed Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #4 Run Time		(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	0.0	0.0	23.5	23.5	hrs
Steam Flow	0.00	0.00	189.97	160.24	klbs
Gas Flow	0.00	0.00	221.07	198.34	kscf
Natural Gas Cost	\$0.00	\$0.00	\$1,357.53	\$1,217.96	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	\$1,357.53	\$1,217.96	\$
Average Steam Cost	_		\$7.15	\$7.60	\$/klbs
Efficiency By Losses	0.0	0.0	82.8	81.1	%
Efficiency By I/O			84.2	79.1	%

Heating Plant Day Operations Report

3/16/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		22	2.23		hdd	
Total Plant Steam Flow		31	5.15		klbs	
Steam Flow Per Heating Degree Day		1	4.2	N-4-1-1	klbs/hd	
Total Condensate Return Water Flow		4	1.8		klbs	
Total Plant Gas Flow		39	2.88		kscf	
Total Plant Gas Cost		\$2,4	12.56		\$	
Total Plant Oil Flow	· · · · · · · · · · · · · · · · · · ·		0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,4	12,56		\$	
Fuel Cost Per Heating Degree Day		\$10	08.53		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.34		\$/klbs	
Total Plant Efficiency By I/O	_	7	8.6		%	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time			2.6		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time			1.5		hrs	
Boiler Feed Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #4 Run Time			9.1		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	0.0	0.6	23.5	23.5	hrs	
Steam Flow	0.00	0.00	169.55	145.60	klbs	
Gas Flow	0.00	3.94	204.40	184.53	kscf	
Natural Gas Cost	\$0.00	\$24.22	\$1,255.17	\$1,133,17	\$	
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	\$24,22	\$1,255.17	\$1,133.17	\$	
Average Steam Cost			\$7.40	\$7.78	\$/klbs	
Efficiency By Losses	0.0	0.0	82.7	80.9	%	
Efficiency By I/O			81.2	77.3	%	

Heating Plant Day Operations Report

3/17/2018 7:00 AM Daily Report

	Plant						
Heating Degree Days		23	3.55		hdd		
Total Plant Steam Flow		30	2.46		klbs		
Steam Flow Per Heating Degree Day		1	2.8		klbs/hdd		
Total Condensate Return Water Flow		4	1.6		kibs		
Total Plant Gas Flow		38	9.68		kscf		
Total Plant Gas Cost		\$2,3	92.90		\$		
Total Plant Oil Flow		(0.0		gals		
Total Plant Oil Cost		\$0	0.00		\$		
Total Plant Fuel Cost		\$2,3	92.90		\$		
Fuel Cost Per Heating Degree Day		\$10	01.61		\$/hdd		
Plant Average Steam Cost Per Degree Day		\$0	0.34		\$/klbs		
Total Plant Efficiency By I/O	76.0						
Condensate Transfer Pump #1 Run Time		23.5					
Condensate Transfer Pump #2 Run Time		And the fact of the second of	0.0		hrs		
Condensate Transfer Pump #3 Run Time		1	2.7		hrs		
Boiler Feed Pump #1 Run Time			0.0		hrs		
Boiler Feed Pump #2 Run Time	0.0						
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		hrs		
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units		
Run Time	20.0	0.0	23.5	4.4	hrs		
Steam Flow	96.17	0.00	178.21	28.08	klbs		
Gas Flow	137.01	0.00	216.77	35.89	kscf		
Natural Gas Cost	\$841.37	\$0.00	\$1,331.15	\$220.38	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	\$841.37	\$0.00	\$1,331.15	\$220.38	S		
Average Steam Cost	\$8.75	_	\$7.47	\$7.85	\$/klbs		
Efficiency By Losses	0.0	0.0	82.5	0.0	%		
Efficiency By I/O	68.7		80.5	76.6	%		

Heating Plant Day Operations Report

3/18/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		25	5.28		hdd	
Total Plant Steam Flow		28	7.34		klbs	
Steam Flow Per Heating Degree Day	A	1	1.4		klbs/hde	
Total Condensate Return Water Flow		5	5.2		klbs	
Total Plant Gas Flow	····· ····· ····· ····· ··· ···· ···· ···· ···· ··· ···· ···· ···· ·· ·	36	5.84		kscf	
Total Plant Gas Cost		\$2,2	46.55		\$	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,2	46.55		\$	
Fuel Cost Per Heating Degree Day		\$8	8.87		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).31		\$/klbs	
Total Plant Efficiency By I/O	76.9					
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time			2.8		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			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	00-14		0.0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	118.50	0.00	168.85	0.00	klbs	
Gas Flow	160.02	0.00	205.82	0.00	kscf	
Natural Gas Cost	\$982.67	\$0.00	\$1,263.88	\$0.00	\$	
Oil Flow	0.0	0.0	0.0	0.0	gals	
Dil Cost	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Fotal Fuel Cost	\$982.67	\$0.00	\$1,263.88	\$0.00	S	
Average Steam Cost	\$8.29		\$7.49		\$/klbs	
Efficiency By Losses	0.0	0.0	82.7	0.0	%	
Efficiency By I/O	72.5		80.3		%	

Heating Plant Day Operations Report

3/19/2018 7:00 AM Daily Report

Description						
	Plant					
Heating Degree Days		17	7.34		hdd	
Total Plant Steam Flow		27	4.97		klbs	
Steam Flow Per Heating Degree Day		1	5.9		klbs/hdc	
Total Condensate Return Water Flow		5	5.1		klbs	
Total Plant Gas Flow		34	7.93		kscf	
Total Plant Gas Cost		\$2,1	36.55		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,1	36.55		\$	
Fuel Cost Per Heating Degree Day		\$12	23.24		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).45		\$/klbs	
Total Plant Efficiency By I/O		7	7.4		%	
Condensate Transfer Dump #4 Dup Time			2.5			
Condensate Transfer Pump #1 Run Time			3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time			2.6		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			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	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	116.22	0.00	158.75	0.00	klbs	
Gas Flow	158.02	0.00	189.91	0.00	kscf	
Natural Gas Cost	\$970.38	\$0.00	\$1,166.17	\$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	\$970.38	\$0.00	\$1,166.17	\$0.00	\$	
Average Steam Cost	\$8.35		\$7.35		\$/klbs	
Efficiency By Losses	0.0	0.0	82.7	0.0	%	
Efficiency By I/O	72.0		81.9		%	
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Heating Plant Day Operations Report

3/20/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		15	5.18		hdd	
Total Plant Steam Flow	····	27	2,25		klbs	
Steam Flow Per Heating Degree Day		1	7.9		klbs/hdd	
Total Condensate Return Water Flow		5	5.3		klbs	
Total Plant Gas Flow		35	2.09		kscf	
Total Plant Gas Cost		\$2,1	62.08		\$	
Total Plant Oil Flow		{	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,1	62.08		\$	
Fuel Cost Per Heating Degree Day		\$14	12.43		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).52		\$/klbs	
Total Plant Efficiency By I/O		7	5.7		%	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time		(0.0		hrs	
Condensate Transfer Pump #3 Run Time		1	8.7		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time		().0		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		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	111.74	0.00	160.51	0.00	klbs	
Gas Flow	157.64	0.00	194.44	0.00	kscf	
Natural Gas Cost	\$968.05	\$0.00	\$1,194.03	\$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	\$968.05	\$0.00	\$1,194.03	\$0.00	\$	
Average Steam Cost	\$8.66	-	\$7.44		\$/klbs	
Efficiency By Losses	0.0	0.0	82.6	0.0	%	
Efficiency By I/O	69.4		80.8		%	

Heating Plant Day Operations Report

3/21/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		23	3.90		hdd	
Total Plant Steam Flow		32	7.32		klbs	
Steam Flow Per Heating Degree Day		1	3.7		klbs/hde	
Total Condensate Return Water Flow		4	1.9		klbs	
Total Plant Gas Flow		41	9.34		kscf	
Total Plant Gas Cost		\$2,5	75.05		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,5	75.05		\$	
Fuel Cost Per Heating Degree Day		\$10	07.74		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.33		\$/klbs	
Total Plant Efficiency By I/O	76.4					
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time		2	3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
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	23.5	0.0	23.5	0.0	hrs	
Steam Flow	111.11	0.00	216.22	0.00	klbs	
Gas Flow	159.74	0.00	259.60	0.00	kscf	
Natural Gas Cost	\$980.92	\$0.00	\$1,594.13	\$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	\$980.92	\$0.00	\$1,594.13	\$0.00	\$	
Average Steam Cost	\$8.83	_	\$7.37	_	\$/klbs	
Efficiency By Losses	0.0	0.0	82.5	0.0	%	
Efficiency By I/O	68.1		81.6		%	

Heating Plant Day Operations Report

3/22/2018 7:00 AM Daily Report

Description

-		PI	ant		Units	
Heating Degree Days		33	3.12		hdd	
Total Plant Steam Flow		34	9.32		klbs	
Steam Flow Per Heating Degree Day		1	0.5		klbs/hdo	
Total Condensate Return Water Flow		4	1.9		klbs	
Total Plant Gas Flow		43	7.63		kscf	
Total Plant Gas Cost		\$2,6	87.38		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,6	87.38		\$	
Fuel Cost Per Heating Degree Day		\$8	1.15		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0	0.23		\$/klbs	
Total Plant Efficiency By I/O		78.2				
Condensate Transfer Pump #1 Run Time			3.5	<u> </u>	hrs	
Condensate Transfer Pump #2 Run Time			0.0		hrs	
Condensate Transfer Pump #3 Run Time			3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time			0.0		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	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	118.41	0.00	230.92	0.00	klbs	
Gas Flow	162.50	0.00	275.13	0.00	kscf	
Natural Gas Cost	\$997.88	\$0.00	†	\$0.00	S S	
Oil Flow	0.0	0.0	\$1,689.50 0.0	0.00		
Oil Cost					gals	
	\$0.00	\$0.00	\$0.00	\$0.00	\$	
Total Fuel Cost	\$997.88	\$0.00	\$1,689.50	\$0.00	\$	
Average Steam Cost	\$8.43	0.0	\$7.32		\$/klbs	
Efficiency By Losses	0.0	0,0	82.5	0.0	%	
Efficiency By I/O	71.4	av Bonad	82.2		% Page 1 of	

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Day Report

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Heating Plant Day Operations Report

3/23/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		24	1.57		hdd	
Total Plant Steam Flow		32	3.21		klbs	
Steam Flow Per Heating Degree Day		1:	3.2		klbs/hd	
Total Condensate Return Water Flow		4	1.8		klbs	
Total Plant Gas Flow		40	6.01		kscf	
Total Plant Gas Cost		\$2,4	93.23		\$	
Total Plant Oil Flow		C	0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,4	93.23		\$	
Fuel Cost Per Heating Degree Day		\$10)1,49		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).31		\$/klbs	
Total Plant Efficiency By I/O		7.	8.0		%	
Condensate Transfer Pump #1 Run Time		2	3.5		hrs	
Condensate Transfer Pump #2 Run Time		(0,0		hrs	
Condensate Transfer Pump #3 Run Time		2	3.5		hrs	
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time			0.0		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		C).0		hrs	
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	118.95	0.00	204.26	0.00	klbs	
Gas Flow	161.06	0.00	244.95	0.00	kscf	
Natural Gas Cost	\$989.05	\$0.00	\$1,504.18	\$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	\$989.05	\$0.00	\$1,504.18	\$0.00	S	
Average Steam Cost	\$8.31		\$7.36	_	\$/klbs	
Efficiency By Losses	0.0	0.0	82.5	0.0	%	
Efficiency By I/O	72.3		81.7		%	

Heating Plant Day Operations Report

3/24/2018 7:00 AM Daily Report

Description					11.74
			ant		Units
Heating Degree Days			5.13		hdd
Total Plant Steam Flow			6.99		klbs
Steam Flow Per Heating Degree Day			2.6		klbs/hdd
Total Condensate Return Water Flow			5.1		klbs
Total Plant Gas Flow			3.82		kscf
Total Plant Gas Cost			79.74		\$
Total Plant Oil Flow			0.0		gals
Total Plant Oil Cost			0.00		\$
Total Plant Fuel Cost			79.74		\$
Fuel Cost Per Heating Degree Day		\$9	8.69		\$/hdd
Plant Average Steam Cost Per Degree Day).31		\$/klbs
Total Plant Efficiency By I/O		7	6.9		%
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time			0.0		hrs
Condensate Transfer Pump #3 Run Time		2	3.5		hrs
Boiler Feed Pump #1 Run Time	0.0				
Boiler Feed Pump #2 Run Time		(0.0		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		hrs
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	22.7	0.0	23.5	0.0	hrs
Steam Flow	110.49	0.00	206.50	0.00	klbs
Gas Flow	154.83	0.00	248.98	0.00	kscf
Natural Gas Cost	\$950.80	\$0.00	\$1,528.94	\$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	\$950.80	\$0.00	\$1,528,94	\$0.00	S
Average Steam Cost	\$8.61	_	\$7.40		\$/klbs
Efficiency By Losses	0.0	0.0	82.5	0.0	%
Efficiency By I/O	69.9		81.2		%

Heating Plant Day Operations Report

3/25/2018 7:01 AM Daily Report

	Plant					
Heating Degree Days	69.80					
Total Plant Steam Flow		30	9.38		klbs	
Steam Flow Per Heating Degree Day		4	l.4		klbs/hd	
Total Condensate Return Water Flow		5	5.4		klbs	
Total Plant Gas Flow		37	9.49		kscf	
Total Plant Gas Cost	······································	\$2,3	30.34		\$	
Total Plant Oil Flow		C	0.0		gals	
Total Plant Oil Cost		\$0).00		\$	
Total Plant Fuel Cost		\$2,3	30.34		\$	
Fuel Cost Per Heating Degree Day	······································	\$3:	3.38		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).11		\$/klbs	
Total Plant Efficiency By I/O	79.8				%	
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time	0.0					
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
Boiler Feed Pump #3 Run Time	23.5					
Boiler Feed Pump #4 Run Time		2	3.5		hrs	
Fuel Oil Pump #1 Run Time		Ċ	0.0		hrs	
Fuel Oil Pump #2 Run Time	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	10.1	0.0	23.5	0.0	hrs	
Steam Flow	45.87	0.00	263.51	0.00	klbs	
Gas Flow	68.15	0.00	311.34	0.00	kscf	
Natural Gas Cost	\$418.50	\$0.00	\$1,911.84	\$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	\$418.50	\$0.00	\$1,911.84	\$0.00	\$	
Average Steam Cost	\$9.12		\$7.26	-	\$/klbs	
Efficiency By Losses	0.0	0.0	82.5	0.0	%	
Efficiency By I/O	65.9 82.9					

Heating Plant Day Operations Report

3/26/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days	22.12					
Total Plant Steam Flow	316.48					
Steam Flow Per Heating Degree Day		1.	4.3		klbs/hd	
Total Condensate Return Water Flow		5	5.5		klbs	
Total Plant Gas Flow		39	4.36		kscf	
Total Plant Gas Cost		\$2,4	21.69		\$	
Total Plant Oil Flow).0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$2,4	21.69		\$	
Fuel Cost Per Heating Degree Day		\$10	9.46		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$0).35		\$/klbs	
Total Plant Efficiency By I/O	78.6				%	
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time		(0.0		hrs	
Condensate Transfer Pump #3 Run Time	23.5					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
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	20.3	0.0	23.5	0.0	hrs	
Steam Flow	103.30	0.00	213.18	0.00	klbs	
Gas Flow	138.88	0.00	255.48	0.00	kscf	
Natural Gas Cost	\$852.85	\$0.00	\$1,568.83	\$0.00	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	\$852.85	\$0.00	\$1,568.83	\$0.00	S	
Average Steam Cost	\$8.26	***	\$7.36	***	\$/klbs	
Efficiency By Losses	0.0	0.0	82.4	0.0	%	
Efficiency By I/O	72.8 81.7					

Heating Plant Day Operations Report

3/27/2018 7:00 AM Daily Report

Description		DI			Units	
Haating Danna Barr	Plant 24.78					
Heating Degree Days					hdd	
Total Plant Steam Flow			3.61		klbs	
Steam Flow Per Heating Degree Day			3.5		klbs/hdd	
Total Condensate Return Water Flow			1.8		klbs	
Total Plant Gas Flow			7.69		kscf	
Total Plant Gas Cost			64.91		\$	
Total Plant Oil Flow			0.0		gals	
Total Plant Oil Cost			0.00		\$	
Total Plant Fuel Cost		the same of the sa	64.91		\$	
Fuel Cost Per Heating Degree Day			3.49		\$/hdd	
Plant Average Steam Cost Per Degree Day).31		\$/klbs	
Total Plant Efficiency By I/O		7.	8.2		%	
Condensate Transfer Pump #1 Run Time		23.5				
Condensate Transfer Pump #2 Run Time	0.0					
Condensate Transfer Pump #3 Run Time	18.2					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
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	23.5	0.0	23.5	0.0	hrs	
Steam Flow	123.85	0.00	209.75	0.00	klbs	
Gas Flow	163.21	0.00	254.47	0.00	kscf	
Natural Gas Cost	\$1,002.26	\$0.00	\$1,562.65	\$0.00	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	\$1,002.26	\$0.00	\$1,562.65	\$0.00	\$	
Average Steam Cost	\$8.09	_	\$7.45		\$/klbs	
Efficiency By Losses	0.0	0.0	82.3	0.0	%	
Efficiency By I/O	74.3 80.7					

Heating Plant Day Operations Report

3/28/2018 7:00 AM Daily Report

	Plant				
Heating Degree Days		27	7.97		hdd
Total Plant Steam Flow		32	7.32		klbs
Steam Flow Per Heating Degree Day		1	1.7		klbs/hd
Total Condensate Return Water Flow		4	1.3		klbs
Total Plant Gas Flow		40	7.40		kscf
Total Plant Gas Cost		\$2,5	01.74		\$
Total Plant Oil Flow		(0.0		gals
Total Plant Oil Cost		\$(0.00		\$
Total Plant Fuel Cost		\$2,5	01.74		\$
Fuel Cost Per Heating Degree Day		\$8	9.45		\$/hdd
Plant Average Steam Cost Per Degree Day		\$0).27		\$/klbs
Total Plant Efficiency By I/O	78.7				
Condensate Transfer Pump #1 Run Time		2	3.5		hrs
Condensate Transfer Pump #2 Run Time	0.0				
Condensate Transfer Pump #3 Run Time	12.6				
Boiler Feed Pump #1 Run Time	0.0				
Boiler Feed Pump #2 Run Time	0.0				
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	23.5	0.0	23.5	0.0	hrs
Steam Flow	123.71	0.00	203.61	0.00	klbs
Gas Flow	162.12	0.00	245.28	0.00	kscf
Natural Gas Cost	\$995.53	\$0.00	\$1.506.22	\$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	\$995.53	\$0.00	\$1,506.22	\$0.00	S
Average Steam Cost	\$8.05		\$7.40	_	\$/klbs
Efficiency By Losses	0.0	0.0	82.5	0.0	%
Efficiency By I/O	74.7 81.3				

Heating Plant Day Operations Report

3/29/2018 7:00 AM Daily Report

Description

Description	Plant					
Hasting Dagge Baye	9.55				Units	
Heating Degree Days Total Plant Steam Flow			5.21		klbs	
Steam Flow Per Heating Degree Day			7.8		klbs/hdc	
Total Condensate Return Water Flow			.4		klbs	
Total Plant Gas Flow			5.80		kscf	
Total Plant Gas Flow Total Plant Gas Cost			00.64		\$	
Total Plant Gas Cost Total Plant Oil Flow			0.04		gals	
Total Plant Oil Cost			0.00			
Total Plant Fuel Cost					\$ \$	
			00.64			
Fuel Cost Per Heating Degree Day		-	9.58		\$/hdd	
Plant Average Steam Cost Per Degree Day			0.79		\$/klbs	
Total Plant Efficiency By I/O	<u> </u>		9.7		%	
Condensate Transfer Pump #1 Run Time	1	23.5				
Condensate Transfer Pump #2 Run Time	0.0					
Condensate Transfer Pump #3 Run Time	12.8					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
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	0.0					
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units	
Run Time	23.5	0.0	23.5	0.0	hrs	
Steam Flow	123 68	0.00	141.53	0.00	klbs	
Gas Flow	156.55	0.00	169.24	0.00	kscf	
Natural Gas Cost	\$961.36	\$0.00	\$1,039.27	\$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	\$961.36	\$0.00	\$1,039.27	\$0.00	S	
Average Steam Cost	\$7.77 \$7.34					
Efficiency By Losses	0.0	0.0	82.8	0.0	\$/klbs	
Efficiency By I/O	77.4	0.0	81.9	0.0	%	
Mid-Atlantic Controls Corporation	Day Report				Page 1 of	

Mid-Atlantic Controls Corporation

Day Report

Page 1 of 1

Heating Plant Day Operations Report

3/30/2018 7:00 AM Daily Report

Description	3				Units
	Plant				
Heating Degree Days	0,00				hdd
Total Plant Steam Flow		22	5.79		klbs
Steam Flow Per Heating Degree Day					klbs/hdc
Total Condensate Return Water Flow		-	i.1		klbs
Total Plant Gas Flow			8.08		kscf
Total Plant Gas Cost			84.80		\$
Total Plant Oil Flow		0	0.0		gals
Total Plant Oil Cost		\$0	0.00		\$
Total Plant Fuel Cost		\$1,5	84.80		\$
Fuel Cost Per Heating Degree Day					\$/hdd
Plant Average Steam Cost Per Degree Day		•			\$/klbs
Total Plant Efficiency By I/O		8	5.7		%
Condensate Transfer Pump #1 Run Time		ာ	3.5		hrs
Condensate Transfer Pump #2 Run Time	0.0				
Condensate Transfer Pump #3 Run Time	12.6				
Boiler Feed Pump #1 Run Time	0.0				
Boiler Feed Pump #2 Run Time	0.0				
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		hrs
Tuel Oil Fullip #2 Rull Time			7.0		IIIS
	Boiler 1	Boiler 2	Boiler 3	Boiler 4	Units
Run Time	7.2	0.0	23.5	0.0	hrs
Steam Flow	37.32	0.00	188.47	0.00	klbs
Gas Flow	46.99	0.00	211.09	0.00	kscf
Natural Gas Cost	\$288.53	\$0.00	\$1,296.27	\$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	\$288.53	\$0.00	\$1,296.27	\$0.00	\$
Average Steam Cost	\$7.73		\$6.88		\$/klbs
Efficiency By Losses	0.0	0.0	83.0	0.0	%
Efficiency By I/O	77.8 87.4				

Heating Plant Day Operations Report

3/31/2018 7:00 AM Daily Report

	Plant					
Heating Degree Days		3	.39	_:=	hdd	
Total Plant Steam Flow		24	8.43		klbs	
Steam Flow Per Heating Degree Day		7	3.3		klbs/hd	
Total Condensate Return Water Flow		5	5.0		klbs	
Total Plant Gas Flow		27	4.15		kscf	
Total Plant Gas Cost		\$1,6	83.46		\$	
Total Plant Oil Flow		(0.0		gals	
Total Plant Oil Cost		\$0	0.00		\$	
Total Plant Fuel Cost		\$1,6	83.46		\$	
Fuel Cost Per Heating Degree Day		\$49	96.69		\$/hdd	
Plant Average Steam Cost Per Degree Day		\$2	2.00		\$/klbs	
Total Plant Efficiency By I/O	88.7					
Condensate Transfer Pump #1 Run Time	23.5					
Condensate Transfer Pump #2 Run Time	0.0					
Condensate Transfer Pump #3 Run Time	12.7					
Boiler Feed Pump #1 Run Time	0.0					
Boiler Feed Pump #2 Run Time	0.0					
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	0.0	0.0	23.5	0.0	hrs	
Steam Flow	0.00	0.00	248.43	0.00	klbs	
Gas Flow	0.00	0.00	274.15	0.00	kscf	
Natural Gas Cost	\$0.00	\$0.00	\$1,683.46	\$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	\$0.00	\$1,683.46	\$0.00	\$	
Average Steam Cost	***	•••	\$6.78	_	\$/klbs	
Efficiency By Losses	0.0	0.0	82.6	0.0	%	
Efficiency By I/O	88.7					