

STATE OF ALASKA

THE REGULATORY COMMISSION OF ALASKA

Before Commissioners:

Stephen McAlpine, Chairman
Rebecca L. Pauli
Robert M. Pickett
Norman Rokeberg
Janis W. Wilson

In the Matter of the Request Filed by the)
MUNICIPALITY OF ANCHORAGE d/b/a)
MUNICIPAL LIGHT & POWER DEPARTMENT for)
Approval to Establish Depreciation Rates)

U-16-094

In the Matter of the Tariff Revisions, Designated as)
TA357-121, filed by the MUNICIPALITY OF)
ANCHORAGE d/b/a MUNICIPAL LIGHT &)
POWER DEPARTMENT)

U-17-008

MUNICIPAL LIGHT AND POWER'S INITIAL RESPONSE TO
PROVIDENCE HEALTH & SERVICES' ELEVENTH REQUEST FOR DISCOVERY
ON REPLY TESTIMONY (PHS-MLP-11)

The Municipality of Anchorage d/b/a Municipal Light and Power ("ML&P"), hereby provides its initial response to Providence Health & Services' ("PHS") eleventh request for discovery on reply testimony. All responses to discovery are prepared by ML&P in consultation with counsel. Witnesses at hearing will be available for cross-examination on their testimony. Documents produced in response to these requests will also be stored in an electronic document management sharefile site accessible with login credentials that have been or will be provided as requested to the counsel, analysts, and consultants for PHS, AG, ANTHC, ENSTAR, FEA, and JLP.

PRELIMINARY STATEMENT

Discovery in this docket is not complete. As discovery proceeds, facts,

October 6, 2017

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(s:\MLP\U-17-008\Discovery\PHS-MLP-11\Reply\Initial Response

Date: 12/12/17 Exh # 4-135
Regulatory Commission of Alaska
U-16-094 By: BP U-17-008
Northern Lights Realtime & Reporting, Inc.
(907) 337-2221

REDACTED

V. EXISTING SYSTEM

Interrogatory (No. PHS-MLP-11-22): In reference to page 5, line 22, to page 6,

line 2, of Mr. Ori's reply testimony:

(a) State the annual forced outage hours, net capacity factor, net heat rate, net generation and annual non-fuel O&M and capital expenditures for each of ML&P's generating units 1, 2, 5, 6, and 7 for each year since 2009.

(b) Identify and describe any instances in which an outage of any of these units resulted in loss of service to ML&P's customers.

Response: (a) ML&P objects to this request as overbroad and unduly burdensome. Without waiving the foregoing objections, for monthly and annual information from 2012 through 2017 with respect to forced outage hours, net capacity factor, net heat rate and net generation, see the documents previously produced as MLP8335 to MLP8364 produced

MUNICIPAL LIGHT AND POWER'S INITIAL RESPONSE TO
PHS' ELEVENTH REQUEST FOR DISCOVERY ON REPLY TESTIMONY (PHS-MLP-11)
Docket U-17-008/U-16-094
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1 in response to request PHS-MLP-1-61 (3rd Supplemental Response) and MLP25020-MLP25361
2 produced in response to request PHS-MLP-8-5. For prior years, see the Availability Reports and
3 Generation Reports produced as MLP30847 to MLP31326. ML&P does not track non-fuel
4 O&M expense by unit. With respect to capital expenditures by unit during the referenced time
5 period, the information is not available.

6 (b) See Mr. Johnston's reply testimony at A80 and Exhibit MAJ-3.

7 Person(s) Supplying Information: Anna Henderson, Eugene Ori, Mark
8 Johnston.
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POWER GENERATED

PLANT #1	KWH	PLANT #2	KWH
TURBINE #1	8,900	TURBINE #5	25,000,000
TURBINE #2	2,700	TURBINE #6	24,415,000
TURBINE #3	4,563,392	TURBINE #7	45,471,000
TURBINE #4	<u>150,500</u>	TURBINE #8	<u>42,000</u>
SUB-TOTAL	4,725,492	TOTAL	94,928,000
D#1 & D#2	1,000		GROSS POWER GENERATED
TOTAL	4,726,492		

STATION SVC	KWH	STATION SVC	KWH
TURBINE #1	37,832	TURBINE #5	85,000
TURBINE #2	38,258	TURBINE #6	946,920
TURBINE #3	62,092	TURBINE #7	741,000
TURBINE #4	37,719	TURBINE #8	<u>116,000</u>
PLANT METER	<u>700</u>		
TOTAL	176,601	TOTAL	1,888,920
	STATION USAGE		STATION USAGE

PLANT #1	4,549,891	NET POWER GENERATED	PLANT #2	93,039,080	NET POWER GENERATED
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TOTAL PLANT: NET POWER GENERATED SUMMARY

PLANT 1 NET POWER GENERATED	4,549,891	KWH
PLANT 2 NET POWER GENERATED	93,039,080	KWH
TOTAL PLANT NET POWER GENERATED	97,588,971	KWH

PLANT STARTS

PLANT HOURS

	Monthly Starts	Total Starts		Monthly Hrs on Gas	Monthly Hrs on Oil	Total Hours
TURBINE #1	1	1368	TURBINE #1	01:48	00:00	103277:05
TURBINE #2	1	1928	TURBINE #2	00:00	00:39	98190:04
TURBINE #3	17	315	TURBINE #3	164:47		3778:56
TURBINE #4	3	2559	TURBINE #4	16:51	00:00	85479:56
DIESEL 1	0	234	DIESEL 1		00:00	189:15
DIESEL 2	1	227	DIESEL 2		00:42	187:05
TURBINE #5	0	3051	TURBINE #5	744:00	00:00	149216:48
TURBINE #6	0	693	TURBINE #6	744:00		201141:35
TURBINE #7	0	755	TURBINE #7	743:42	00:18	213114:33
TURBINE #8	1	2099	TURBINE #8	02:07		79833:44

PLANT GAS USAGE

PLANT #1	QUANTITY		PLANT #2	QUANTITY	
TURBINE #1	275	MCF	TURBINE #5	349,541	MCF
TURBINE #2	8	MCF	TURBINE #7	571,920	MCF
TURBINE #3	46,884	MCF	TURBINE #8	<u>852</u>	MCF
BOILER GAS #3	0	MCF	SUB-TOTAL	922,313	MCF
TURBINE #4	<u>4,230</u>	MCF			
SUB-TOTAL	51,397	MCF	STATION SERVICE	988	MCF
PLT #1 TOTAL	51,397	MCF	PLT #2 TOTAL	923,301	MCF

GAS USAGE SUMMARY:

PLANT #1 (Turbine)	51,397	MCF
PLANT #2 (Turbine)	922,313	MCF
PLANT #1 Sta Svc	0	MCF
PLANT #2 Sta Svc	988	MCF
<u>TOTAL PLANT GAS USAGE</u>	<u>974,698</u>	<u>MCF</u>

EFFICIENCY & HEATRATE DATA

NET HEATRATE

TURBINE #1	0	BTU/KWH	TURBINE #5	14,029	BTU/KWH	
TURBINE #2	0	BTU/KWH	TURBINE #7	12,786	BTU/KWH	
TURBINE #3	10,416	BTU/KWH	TURBINE #8	0	BTU/KWH	
TURBINE #4	37,506	BTU/KWH	COMB CYCLE: 5/6/7	9,896	BTU/KWH	
PLANT #1 NET	11,297	BTU/KWH	GMS #2 NET (SC)	13,257	BTU/KWH	Simple Cycle
			GMS #2 NET	9,913	BTU/KWH	Comb. Cycle

NET EFF%

TURBINE #1	0.0	%	TURBINE #5	24.3	%	
TURBINE #2	0.0	%	TURBINE #7	26.7	%	
TURBINE #3	32.8	%	TURBINE #8	0.0	%	
TURBINE #4	9.1	%	COMB CYCLE: 5/6/7	34.4	%	
PLANT #1 NET EFF.	30.2	%	GMS #2 NET EFF.	25.7	%	Simple Cycle
			GMS #2 NET EFF.	34.4	%	Comb Cycle

OVERALL NET HEATRATE	13,257 BTU/KWH	Simple Cycle	Plt. 2 Only
	9,913 BTU/KWH	Comb. Cycle	Plt. 2 Only
OVERALL NET EFFICIENCY	25.7 %	Simple Cycle	Plt. 2 Only
	34.4 %	Comb. Cycle	Plt. 2 Only

DIESEL OIL USAGE

	QUANTITY
TURBINE #1	0 GALS
TURBINE #2	739 GALS
TURBINE #3	0 GALS
TURBINE #4	0 GALS
SUB-TOTAL	739 GALS
DIESEL #1	<u>33</u> GALS
PLANT #1 TOTAL	772 GALS
TURBINE #5	0 GALS
TURBINE #5 - Starting Motor	0 GALS
TURBINE #7	1,050 GALS
PLANT #2 TOTAL	1,050 GALS
PLANT TOTALS	1,822 GALS

Water Consumption (Gals.) 12,896,000 /1000)*3.73+(9.65+159.09)= \$48,270.82

Heat Transfer to City Water 47,049 MBTUs * 1000000 47,049,000,000 BTUs

DIESEL OIL SUMMARY

	QUANTITY
AVAILABLE: <u>DIESEL OIL PLANT #1</u>	
BEGINNING: Bulk Tank	142,114 GALS
Aux Tank	1,508 GALS
PURCHASED: Bulk Tank	0 GALS
Aux Tank	0 GALS
TRANSFER: Bulk to Aux	535 GALS
USED: Bulk Tank	739 GALS
Aux Tank	33 GALS
PLT 1 AVAILABLE @ MONTH END	142,850 GALS
AVAILABLE: <u>DIESEL OIL PLANT #2</u>	
BEGINNING:	740,900 GALS
PURCHASED:	0 GALS
AVAILABLE:	740,900 GALS
USED DURING MONTH:	1,050 GALS
PLT 2 AVAILABLE @ MONTH END	739,850 GALS
PLT 1/PLT 2 TOTAL DIESEL AVAILABLE	882,700 GALS

NOTES:

- 1 HEATING VALUE OF 133,500 BTU/GAL USED FOR DIESEL
- 2 HEATING VALUE OF 1000 BTU/SCF USED FOR NATURAL GAS
- 3 H2O rates P1L #2 \$3.73 Rate per 1,000 gal; \$9.65 Monthly Cust. Rate; +\$159.09 meter charge (Effective January 2007)
- 4 Jan 22, 1998, E. W. Saybolt & Co Bulk Fuel Oil Tank Gauging. Established Fuel measurements: Plant #1 - 141,138 Gals; Plant #2 - 691,631 Gals
- 5 P1L 2 Unit #8 is NON dual fuel - Natural Gas Only
- 6 As of 12/30/04 the P1 Aux Tank Reading taken with measuring tape and Horizontal Tank Strapping Chart for better accuracy
- 7 Units 1 & 2 Emergency Use Only Indefinitely
- 8 Plant 1: 535 gallon fuel oil transfer from Bulk Tank to Aux Tank (January 2009)

POWER GENERATED

PLANT #1	KWH	PLANT #2	KWH	
TURBINE #1	5,000	TURBINE #5	24,720,000	
TURBINE #2	2,300	TURBINE #6	24,814,000	
TURBINE #3	9 279,908	TURBINE #7	52,316,000	
TURBINE #4	<u>3,424,700</u>	TURBINE #8	<u>417,000</u>	
		TOTAL	102,267,000	GROSS POWER GENERATED
TOTAL	12,711,908	GROSS POWER GENERATED		
STATION SVC	KWH	STATION SVC	KWH	
TURBINE #1	38,698	TURBINE #5	97,000	
TURBINE #2	41,896	TURBINE #6	970,440	
TURBINE #3	141,108	TURBINE #7	606,000	
TURBINE #4	87,940	TURBINE #8	<u>122,000</u>	
TOTAL	309,642	TOTAL	1,795,440	STATION USAGE
PLANT #1	12,402,266	PLANT #2	100,471,560	NET POWER GENERATED

TOTAL PLANT: NET POWER GENERATED SUMMARY

PLANT 1 NET POWER GENERATED	12,402,266	KWH
PLANT 2 NET POWER GENERATED	100,471,560	KWH
TOTAL PLANT NET POWER GENERATED	112,873,826	KWH

PLANT STARTS

PLANT HOURS

PLANT STARTS			PLANT HOURS		
	Monthly Starts	Total Starts		Monthly Hrs on Gas	Monthly Hrs on Oil
TURBINE #1	1	1395	TURBINE #1	00:54	00:00
TURBINE #2	1	1956	TURBINE #2	00:35	00:00
TURBINE #3	27	917	TURBINE #3	373:34	
TURBINE #4	15	2787	TURBINE #4	146:31	00:00
TURBINE #5	3	3115	TURBINE #5	721:07	00:05
TURBINE #6	1	721	TURBINE #6	736:35	
TURBINE #7	1	794	TURBINE #7	742:40	00:50
TURBINE #8	2	2183	TURBINE #8	13:39	

PLANT GAS USAGE

PLANT #1	QUANTITY		PLANT #2	QUANTITY	
TURBINE #1	151	MCF	TURBINE #5	347,609	MCF
TURBINE #2	137	MCF	TURBINE #7	645,821	MCF
TURBINE #3	96,532	MCF	TURBINE #8	<u>4,618</u>	MCF
BOILER GAS #3	1,541	MCF	SUB-TOTAL	998,048	MCF
TURBINE #4	<u>53,534</u>	MCF			
SUB-TOTAL	151,895	MCF	STATION SERVICE	1,071	MCF
PLT #1 TOTAL	151,895	MCF	PLT #2 TOTAL	999,119	MCF

GAS USAGE SUMMARY:

PLANT #1 (Turbine)	151,895	MCF
PLANT #2 (Turbine)	998,048	MCF

PLANT #2 Sta Svc	1,071	MCF
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<u>TOTAL PLANT GAS USAGE</u>	1,151,014	MCF
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EFFICIENCY & HEATRATE DATA

NET HEATRATE

TURBINE #1	0	BTU/KWH	TURBINE #5	14,117	BTU/KWH	
TURBINE #2	0	BTU/KWH	TURBINE #7	12,489	BTU/KWH	
TURBINE #3	10,731	BTU/KWH	TURBINE #8	15,654	BTU/KWH	
TURBINE #4	16,044	BTU/KWH	COMB CYCLE: 5/6/7	9,916	BTU/KWH	
PLANT #1 NET	12,247	BTU/KWH	GMS #2 NET (SC)	13,025	BTU/KWH	Simple Cycle
			GMS #2 NET	9,933	BTU/KWH	Comb. Cycle

NET EFF%

TURBINE #1	0.0	%	TURBINE #5	24.2	%	
TURBINE #2	0.0	%	TURBINE #7	27.3	%	
TURBINE #3	31.8	%	TURBINE #8	21.8	%	
TURBINE #4	21.3	%	COMB CYCLE: 5/6/7	34.4	%	
PLANT #1 NET EFF.	27.9	%	GMS #2 NET EFF.	26.2	%	Simple Cycle
			GMS #2 NET EFF.	34.3	%	Comb. Cycle

OVERALL NET HEATRATE	13,025 BTU/KWH	Simple Cycle	Plt. 2 Only
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	9,933 BTU/KWH	Comb. Cycle	Plt. 2 Only
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OVERALL NET EFFICIENCY	26.2 %	Simple Cycle	Plt. 2 Only
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	34.3 %	Comb. Cycle	Plt. 2 Only
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DIESEL OIL USAGE

	QUANTITY
TURBINE #1	0 GALS
TURBINE #2	48 GALS
TURBINE #3	0 GALS
TURBINE #4	77 GALS
 PLANT #1 TOTAL	 125 GALS
TURBINE #5	168 GALS
TURBINE #5 - Starting Motor	8 GALS
TURBINE #7	2,268 GALS
 PLANT #2 TOTAL	 2,444 GALS
PLANT TOTALS	2,569 GALS

DIESEL OIL SUMMARY

	QUANTITY
AVAILABLE: <u>DIESEL OIL PLANT #1</u>	
BEGINNING: Bulk Tank	177,969 GALS
	GALS
PURCHASED: Bulk Tank	0 GALS
	GALS
	GALS
USED: Bulk Tank	125 GALS
	GALS
PLT 1 AVAILABLE @ MONTH END	177,844 GALS
AVAILABLE: <u>DIESEL OIL PLANT #2</u>	
BEGINNING:	814,540 GALS
PURCHASED:	0 GALS
AVAILABLE:	814,540 GALS
USED DURING MONTH:	2,444 GALS
PLT 2 AVAILABLE @ MONTH END	812,096 GALS
PLT 1/PLT 2 TOTAL DIESEL AVAILABLE	989,940 GALS

Water Consumption (Gals.)	13,114,000	/1000)*4.69+(12 13+188.38)=	\$61,705.17	
Heat Transfer to City Water	43,549	MBTUs * 1000000	43,549,000,000	BTUs

NOTES:

- 1 HEATING VALUE OF 133,500 BTU/GAL USED FOR DIESEL
- 2 HEATING VALUE OF 1000 BTU/SCF USED FOR NATURAL GAS
- 3 Jan 22, 1998, E. W. Saybolt & Co Bulk Fuel Oil Tank Gauging, Established Fuel measurements: Plant #1 - 141,138 Gals; Plant #2 - 691,631 Gals
- 4 Plt. 2 Unit #8 is NON dual fuel - Natural Gas Only
- 5 As of 12/30/04 the P1 Aux Tank Reading taken with measuring tape and Horizontal Tank Strapping Chart for better accuracy
- 6 Units 1 & 2 Emergency Use Only Indefinitely
- 7 Plant 1 Black Start Diesels Out-of-Service (to be replaced)
- 8 AWWU water rate increase effective January 1, 2012. (\$4.69 Rate per 1,000 gal; \$12.13 Monthly Cust. Rate; +\$188.38 6" meter charge)

GENERATION SUMMARY REPORT

2009

PL1 Power Generated

	<u>GT#1 Gross</u>	<u>GT#2 Gross</u>	<u>GT#3 Gross</u>	<u>GT#4 Gross</u>	<u>PL1 GT Gross</u>	<u>D12Power</u>	<u>PL1 Gross</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>1&2 KWH</u>	<u>KWH W/Dsl</u>
Jan	8,900	2,700	4,563,392	150,500	4,725,492	1,000	4,726,492
Feb	11,600	0	11,213,596	1,474,300	12,699,496	1,000	12,700,496
Mar	34,100	0	21,433,010	549,900	22,017,010	1,000	22,018,010
Apr	9,400	20,200	4,949,538	6,036,100	11,015,238	1,000	11,016,238
May	0	0	3,134,755	248,900	3,383,655	0	3,383,655
Jun	11,500	0	6,808,065	370,100	7,189,665	0	7,189,665
Jul	4,500	23,500	2,900,226	4,079,700	7,007,926	3,000	7,010,926
Aug	3,400	0	8,131,458	6,070,000	14,204,858	0	14,204,858
Sep	5,500	0	3,548,848	1,842,700	5,397,048	2,000	5,399,048
Oct	5,500	0	3,385,459	1,971,100	5,362,059	1,000	5,363,059
Nov	5,000	100	1,449,074	94,000	1,548,174	0	1,548,174
Dec	0	400	1,496,778	49,900	1,547,078	0	1,547,078
TOTALS	99,400	46,900	73,014,199	22,937,200	96,097,699	10,000	96,107,699

PL1 SS

	<u>GT#1 SS</u>	<u>GT#2 SS</u>	<u>GT#3 SS</u>	<u>GT#4 SS</u>	<u>PLANT SS</u>	<u>PL1 TOT SS</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>METER KWH</u>	<u>KWH</u>
Jan	37,832	38,258	62,092	37,719	700	176,601
Feb	34,850	31,585	147,096	37,854	603	251,988
Mar	38,122	34,766	269,110	37,030	642	379,670
Apr	36,574	31,297	64,038	69,640	568	202,117
May	35,181	29,546	44,055	36,670	485	145,937
Jun	40,014	32,482	100,065	40,519	514	213,594
Jul	39,205	31,702	40,026	70,446	497	181,876
Aug	39,816	31,834	114,058	49,504	516	235,728
Sep	36,306	34,783	48,048	35,146	498	154,781
Oct	36,890	30,890	45,059	35,358	501	148,698
Nov	37,087	36,311	22,074	38,598	629	134,699
Dec	37,011	33,349	49,078	38,058	651	158,147
TOTALS	448,888	396,803	1,004,799	526,542	6,804	2,383,836

GENERATION SUMMARY REPORT

2009

PL1 NET						
	<u>GT#1 NET</u>	<u>GT#2 NET</u>	<u>GT#3 NET</u>	<u>GT#4 NET</u>	<u>PL1 GT NET</u>	<u>PL1 NET</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	-28,932	-35,558	4,501,300	112,781	4,549,591	4,549,891
Feb	-23,250	-31,585	11,066,500	1,436,446	12,448,111	12,448,508
Mar	-4,022	-34,766	21,163,900	512,870	21,637,982	21,638,340
Apr	-27,174	-11,097	4,885,500	5,966,460	10,813,689	10,814,121
May	-35,181	-29,546	3,090,700	212,230	3,238,203	3,237,718
Jun	-28,514	-32,482	6,708,000	329,581	6,976,585	6,976,071
Jul	-34,705	-8,202	2,860,200	4,009,254	6,826,547	6,829,050
Aug	-36,416	-31,834	8,017,400	6,020,496	13,969,646	13,969,130
Sep	-30,806	-34,783	3,500,800	1,807,554	5,242,765	5,244,267
Oct	-31,390	-30,890	3,340,400	1,935,742	5,213,862	5,214,361
Nov	-32,087	-36,211	1,427,000	55,402	1,414,104	1,413,475
Dec	-37,011	-32,949	1,447,700	11,842	1,389,582	1,388,931
	-349,488	-349,903	72,009,400	22,410,658	93,720,667	93,723,863

PL2 Power Generated						
	<u>GT#5 Gross</u>	<u>GT#7 Gross</u>	<u>GT#8 Gross</u>	<u>PL2 GT Gross</u>	<u>ST#6 Gross</u>	<u>PL2 Gross</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	25,000,000	45,471,000	42,000	70,513,000	24,415,000	94,928,000
Feb	12,370,000	39,404,000	2,977,000	54,751,000	18,111,000	72,862,000
Mar	10,000	25,947,000	44,657,000	70,614,000	0	70,614,000
Apr	40,000	24,021,000	48,825,000	72,886,000	0	72,886,000
May	12,760,000	45,943,000	15,538,000	74,241,000	21,821,000	96,062,000
Jun	21,270,000	43,431,000	1,521,000	66,322,000	24,739,000	91,061,000
Jul	23,270,000	37,557,000	11,020,000	71,847,000	22,408,000	94,255,000
Aug	22,580,000	0	51,101,000	73,681,000	1,849,000	75,530,000
Sep	15,900,000	46,894,000	13,205,000	75,999,000	22,472,000	98,471,000
Oct	20,810,000	46,275,000	4,432,000	71,517,000	23,401,000	94,918,000
Nov	21,810,000	38,628,000	75,000	60,513,000	20,123,000	80,636,000
Dec	23,710,000	35,668,000	694,000	60,072,000	19,656,000	79,728,000
TOTALS	199,530,000	429,239,000	184,187,000	822,956,000	198,995,000	1,021,951,000

GENERATION SUMMARY REPORT

2009

PL2 SS

	<u>GT#5 SS</u>	<u>GT#7 SS</u>	<u>GT#8 SS</u>	<u>PL2 GT SS</u>	<u>ST#6 SS</u>	<u>PL2 TOT SS</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	85,000	741,000	116,000	942,000	946,920	1,888,920
Feb	47,000	597,000	105,000	749,000	766,560	1,515,560
Mar	2,000	167,000	230,000	399,000	113,000	512,000
Apr	45,000	151,000	236,000	432,000	264,080	696,080
May	73,000	557,000	151,000	781,000	904,360	1,685,360
Jun	74,000	564,000	71,000	709,000	969,240	1,678,240
Jul	78,000	617,000	120,000	815,000	961,840	1,776,840
Aug	76,000	187,000	264,000	527,000	303,200	830,200
Sep	68,000	610,000	131,000	809,000	943,760	1,752,760
Oct	85,000	560,000	92,000	737,000	938,160	1,675,160
Nov	91,000	533,000	84,000	708,000	862,240	1,570,240
Dec	88,000	570,000	94,000	752,000	876,160	1,628,160
TOTALS	812,000	5,854,000	1,694,000	8,360,000	8,849,520	17,209,520

PL2 NET

	<u>GT#5 NET</u>	<u>GT#7 NET</u>	<u>GT#8 NET</u>	<u>PL2 GT NET</u>	<u>ST#6 NET</u>	<u>PL2 NET</u>	<u>PL1&2 NET</u>	<u>OFFSITE</u>	<u>TOTAL NET</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	24,915,000	44,730,000	-74,000	69,571,000	23,468,080	93,039,080	97,588,971	0	97,588,971
Feb	12,323,000	38,807,000	2,872,000	54,002,000	17,344,440	71,346,440	83,794,948	0	83,794,948
Mar	8,000	25,780,000	44,427,000	70,215,000	-113,000	70,102,000	91,740,340	330,000	92,070,340
Apr	-5,000	23,870,000	48,589,000	72,454,000	-264,080	72,189,920	83,004,041	0	83,004,041
May	12,687,000	45,386,000	15,387,000	73,460,000	20,916,640	94,376,640	97,614,358	0	97,614,358
Jun	21,196,000	42,867,000	1,550,000	65,613,000	23,769,760	89,382,760	96,358,831	0	96,358,831
Jul	23,192,000	36,940,000	10,900,000	71,032,000	21,446,160	92,478,160	99,307,210	0	99,307,210
Aug	22,504,000	-187,000	50,837,000	73,154,000	1,545,800	74,699,800	88,668,930	0	88,668,930
Sep	15,832,000	46,284,000	13,074,000	75,190,000	21,528,240	96,718,240	101,962,507	0	101,962,507
Oct	20,725,000	45,715,000	4,340,000	70,780,000	22,462,840	93,242,840	98,457,201	0	98,457,201
Nov	21,719,000	38,095,000	-9,000	59,805,000	19,260,760	79,065,760	80,479,235	0	80,479,235
Dec	23,622,000	35,098,000	600,000	59,320,000	18,779,840	78,099,840	79,488,771	0	79,488,771
	198,718,000	423,385,000	192,493,000	814,596,000	190,145,480	1,004,741,480	1,098,465,343	330,000	1,098,795,343

GENERATION SUMMARY REPORT

2009

PL1 GAS

	<u>GAS USED</u> <u>#1 MCF</u>	<u>GAS USED</u> <u>#2 MCF</u>	<u>GAS USED</u> <u>#3 MCF</u>	<u>BOILER GAS USED</u> <u>#3 MCF</u>	<u>GAS USED</u> <u>#4 MCF</u>	<u>GAS USED</u> <u>PLANT1 MCF</u>
Jan	275	8	46,884	0	4,230	51,397
Feb	303	0	112,451	0	31,971	144,725
Mar	772	0	210,836	0	8,626	220,234
Apr	292	588	44,604	0	93,259	138,743
May	1	1	31,791	0	4,745	36,538
Jun	311	0	69,194	0	8,083	77,588
Jul	154	60	29,606	0	66,830	96,650
Aug	125	45	82,555	0	92,498	175,223
Sep	175	0	35,788	0	29,099	65,062
Oct	183	0	33,867	0	31,250	65,300
Nov	159	1	14,829	0	251	15,240
Dec	0	16	19,171	0	1,536	20,723
TOTALS	2,750	719	731,576	0	372,378	1,107,423

PL2 GAS

	<u>GAS USED</u> <u>#5 MCF</u>	<u>GAS USED</u> <u>#7 MCF</u>	<u>GAS USED</u> <u>#8 MCF</u>	<u>GAS USED SS</u> <u>PLANT2 MCF</u>	<u>GAS USED PL2</u> <u>TOTAL MCF</u>	<u>PL1&2</u> <u>TOTAL MCF</u>	<u>OFFSITE GAS</u> <u>MCF</u>	<u>GAS USED</u> <u>TOTAL MCF</u>
Jan	349,541	571,920	852	988	923,301	974,698	0	974,698
Feb	172,752	494,423	37,095	949	705,219	849,944	0	849,944
Mar	0	341,787	559,446	1,032	902,265	1,122,499	4,563	1,127,062
Apr	1,329	316,020	598,159	620	916,128	1,054,871	0	1,054,871
May	186,158	578,992	206,889	112	972,151	1,008,689	0	1,008,689
Jun	309,650	545,967	21,956	53	877,626	955,214	0	955,214
Jul	334,403	470,357	137,076	40	941,876	1,038,526	0	1,038,526
Aug	320,098	0	625,856	38	945,992	1,121,215	0	1,121,215
Sep	228,331	572,406	171,172	103	972,012	1,037,074	0	1,037,074
Oct	298,853	573,255	58,323	261	930,692	995,992	0	995,992
Nov	310,907	494,105	1,419	673	807,104	822,344	0	822,344
Dec	333,671	469,624	9,651	809	813,755	834,478	0	834,478
TOTALS	2,845,693	5,428,856	2,427,894	5,678	10,708,121	11,815,544	4,563	11,820,107

GENERATION SUMMARY REPORT

2009

FUEL OIL USAGE									
	<u>USED #1</u>	<u>USED #2</u>	<u>USED #3</u>	<u>USED #4</u>	<u>TOT P1</u>	<u>DIESELS</u>	<u>USED #5</u>	<u>USED #7</u>	<u>TOT P2</u>
	<u>GAL</u>	<u>GAL</u>	<u>GAL</u>	<u>GAL</u>	<u>Usage</u>	<u>GAL</u>	<u>GAL</u>	<u>GAL</u>	<u>Usage</u>
Jan	0	739	0	0	739	33	0	1,050	1,050
Feb	0	0	0	3,932	3,932	106	3	588	591
Mar	0	0	0	102	102	73	0	0	0
Apr	0	52	0	0	52	182	49	0	49
May	0	0	0	67	67	109	3,106	294	3,400
Jun	0	0	0	483	483	123	0	2,562	2,562
Jul	0	2,675	0	0	2,675	88	0	1,050	1,050
Aug	0	0	0	0	0	99	5	336	341
Sep	0	0	0	0	0	133	274	1,848	2,122
Oct	0	0	0	1,853	1,853	77	6,103	756	6,859
Nov	0	99	0	11,283	11,382	0	7	966	973
Dec	0	540	0	0	540	105	0	1,008	1,008
TOTALS	0	4,105	0	17,720	21,825	1,128	9,547	10,458	20,005

GENERATION SUMMARY REPORT

2012

PL1 Power Generated

	<u>GT#1 Gross</u>	<u>GT#2 Gross</u>	<u>GT#3 Gross</u>	<u>GT#4 Gross</u>	<u>PL1 GT Gross</u>	<u>PL1 Gross</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH W/Dsl</u>
Jan	5,000	2,300	9,279,908	3,424,700	12,711,908	12,711,908
Feb	24,600	19,800	10,338,285	3,572,000	13,954,685	13,954,685
Mar	0	12,100	564,012	359,000	935,112	935,112
Apr	19,600	17,200	17	14,400	51,217	51,217
May	16,500	6,800	61,950	491,300	576,550	576,550
Jun	11,400	2,200	3,055,854	14,200	3,083,654	3,083,654
Jul	15,200	15,900	7,065,163	1,331,000	8,427,263	8,427,263
Aug	37,800	37,600	8,104,759	660,600	8,840,759	8,840,759
Sep	6,000	7,000	4,429,756	445,300	4,888,056	4,888,056
Oct	19,000	2,200	1,739,178	20,600	1,780,978	1,780,978
Nov	14,300	12,500	1,545,782	48,400	1,620,982	1,620,982
Dec	10,500	14,400	261,094	14,200	300,194	300,194
TOTALS	179,900	150,000	46,445,758	10,395,700	57,171,358	57,171,358

PL1 SS

	<u>GT#1 SS</u>	<u>GT#2 SS</u>	<u>GT#3 SS</u>	<u>GT#4 SS</u>	<u>PL1 TOT SS</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	38,698	41,896	141,108	87,940	309,642
Feb	35,599	31,827	146,085	84,218	297,729
Mar	36,672	81,751	9,012	81,791	209,226
Apr	38,388	68,831	17	73,000	180,236
May	38,367	31,238	50	70,862	140,517
Jun	37,575	29,121	58,054	64,037	188,787
Jul	43,607	31,326	110,063	70,022	255,018
Aug	42,682	30,469	119,059	65,393	257,603
Sep	38,001	27,149	71,056	52,460	188,666
Oct	46,515	37,671	24,078	64,967	173,231
Nov	43,185	40,054	24,082	77,832	185,153
Dec	37,819	25,493	5,094	84,032	152,438
TOTALS	477,108	476,826	707,758	876,554	2,538,246

GENERATION SUMMARY REPORT

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PL1 NET						
	<u>GT#1 NET</u>	<u>GT#2 NET</u>	<u>GT#3 NET</u>	<u>GT#4 NET</u>	<u>PL1 GT NET</u>	<u>PL1 NET</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	-33,698	-39,596	9,138,800	3,336,760	12,402,266	12,402,266
Feb	-10,999	-12,027	10,192,200	3,487,782	13,656,956	13,656,956
Mar	-36,672	-69,651	555,000	277,209	725,886	725,886
Apr	-18,788	-51,631	0	-58,600	-129,019	-129,019
May	-21,867	-24,438	61,900	420,438	436,033	436,033
Jun	-26,175	-26,921	2,997,800	-49,837	2,894,867	2,894,867
Jul	-28,407	-15,426	6,955,100	1,260,978	8,172,245	8,172,245
Aug	-4,882	7,131	7,985,700	595,207	8,583,156	8,583,156
Sep	-32,001	-20,149	4,358,700	392,840	4,699,390	4,699,390
Oct	-27,515	-35,471	1,715,100	-44,367	1,607,747	1,607,747
Nov	-28,885	-27,554	1,521,700	-29,432	1,435,829	1,435,829
Dec	-27,319	-11,093	256,000	-69,832	147,756	147,756
	-297,208	-326,826	45,738,000	9,519,146	54,633,112	54,633,112

PL2 Power Generated						
	<u>GT#5 Gross</u>	<u>GT#7 Gross</u>	<u>GT#8 Gross</u>	<u>PL2 GT Gross</u>	<u>ST#6 Gross</u>	<u>PL2 Gross</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	24,720,000	52,316,000	417,000	77,453,000	24,814,000	102,267,000
Feb	23,640,000	45,422,000	1,595,000	70,657,000	23,908,000	94,565,000
Mar	20,050,000	47,966,000	9,917,000	77,933,000	23,384,000	101,317,000
Apr	0	45,229,000	48,088,000	93,317,000	16,569,000	109,886,000
May	16,115,000	41,282,000	16,795,000	74,192,000	21,576,000	95,768,000
Jun	20,146,000	42,118,000	2,243,000	64,507,000	23,336,000	87,843,000
Jul	19,266,000	8,407,000	37,117,000	64,792,000	8,773,000	73,565,000
Aug	17,739,000	48,000	47,559,000	65,346,000	0	65,346,000
Sep	14,940,000	20,789,000	19,191,000	54,920,000	6,117,000	61,037,000
Oct	22,262,000	41,671,000	0	63,933,000	20,358,000	84,291,000
Nov	23,368,000	39,284,000	1,207,000	63,859,000	20,851,000	84,710,000
Dec	19,024,000	33,451,000	269,000	52,744,000	16,096,000	68,840,000
TOTALS	221,272,000	417,983,000	184,398,000	823,653,000	205,782,000	1,029,435,000

GENERATION SUMMARY REPORT

2012

PL2 SS

	<u>GT#5 SS</u>	<u>GT#7 SS</u>	<u>GT#8 SS</u>	<u>PL2 GT SS</u>	<u>ST#6 SS</u>	<u>PL2 TOT SS</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	97,000	606,000	122,000	825,000	970,440	1,795,440
Feb	80,000	560,000	105,000	745,000	919,240	1,664,240
Mar	75,000	580,000	132,000	787,000	955,200	1,742,200
Apr	0	534,000	225,000	759,000	914,920	1,673,920
May	68,000	563,000	130,000	761,000	949,000	1,710,000
Jun	74,000	579,000	103,000	756,000	985,920	1,741,920
Jul	91,000	142,000	217,000	450,000	502,840	952,840
Aug	71,000	21,000	244,000	336,000	139,000	475,000
Sep	74,000	412,000	153,000	639,000	517,760	1,156,760
Oct	89,000	559,000	88,000	736,000	883,360	1,619,360
Nov	96,000	619,000	108,000	823,000	893,560	1,716,560
Dec	96,000	640,000	111,000	847,000	852,720	1,699,720
TOTALS	911,000	5,815,000	1,738,000	8,464,000	9,483,960	17,947,960

PL2 NET

	<u>GT#5 NET</u>	<u>GT#7 NET</u>	<u>GT#8 NET</u>	<u>PL2 GT NET</u>	<u>ST#6 NET</u>	<u>PL2 NET</u>	<u>PL1&2 NET</u>	<u>OFFSITE</u>	<u>TOTAL NET</u>
	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>	<u>KWH</u>
Jan	24,623,000	51,710,000	295,000	76,628,000	23,843,560	100,471,560	112,873,826	0	112,873,826
Feb	23,560,000	44,862,000	1,490,000	69,912,000	22,988,760	92,900,760	106,557,716	0	106,557,716
Mar	19,975,000	47,386,000	9,785,000	77,146,000	22,428,800	99,574,800	100,300,686	0	100,300,686
Apr	0	44,695,000	47,863,000	92,558,000	15,654,080	108,212,080	108,083,061	0	108,083,061
May	16,047,000	40,719,000	16,665,000	73,431,000	20,627,000	94,058,000	94,494,033	0	94,494,033
Jun	20,072,000	41,539,000	2,140,000	63,751,000	22,350,080	86,101,080	88,995,947	0	88,995,947
Jul	19,177,000	8,265,000	36,900,000	64,342,000	8,270,160	72,612,160	80,784,405	0	80,784,405
Aug	17,668,000	27,000	47,315,000	65,010,000	-139,000	64,871,000	73,454,156	0	73,454,156
Sep	14,866,000	20,377,000	19,038,000	54,281,000	5,599,240	59,880,240	64,579,630	0	64,579,630
Oct	22,173,000	41,112,000	-88,000	63,197,000	19,474,640	82,671,640	84,279,387	0	84,279,387
Nov	23,272,000	38,665,000	1,099,000	63,036,000	19,957,440	82,993,440	84,429,269	0	84,429,269
Dec	18,928,000	32,811,000	158,000	51,897,000	15,243,280	67,140,280	67,288,036	0	67,288,036
	220,361,000	412,168,000	182,660,000	815,189,000	196,298,040	1,011,487,040	1,066,120,152	0	1,066,120,152

GENERATION SUMMARY REPORT

2012

PL1 GAS						
	<u>GAS USED</u>	<u>GAS USED</u>	<u>GAS USED</u>	<u>BOILER GAS USED</u>	<u>GAS USED</u>	<u>GAS USED</u>
	<u>#1 MCF</u>	<u>#2 MCF</u>	<u>#3 MCF</u>	<u>#3 MCF</u>	<u>#4 MCF</u>	<u>PLANT1 MCF</u>
Jan	151	137	96,532	1,541	53,534	151,895
Feb	549	148	104,931	691	56,671	162,990
Mar	0	280	6,058	90	6,708	13,136
Apr	460	374	0	0	535	1,369
May	385	171	712	0	15,274	16,542
Jun	292	61	33,210	39	545	34,147
Jul	386	174	72,739	23	30,444	103,766
Aug	810	678	82,815	12	13,405	97,720
Sep	170	186	46,525	13	7,530	54,424
Oct	425	95	17,694	56	621	18,891
Nov	341	283	16,025	198	861	17,708
Dec	107	272	2,845	113	639	3,976
TOTALS	4,076	2,859	480,086	2,776	186,767	676,564

PL2 GAS							
	<u>GAS USED</u>	<u>GAS USED</u>	<u>GAS USED</u>	<u>GAS USED SS</u>	<u>GAS USED PL2</u>	<u>PL1&2</u>	<u>GAS USED</u>
	<u>#5 MCF</u>	<u>#7 MCF</u>	<u>#8 MCF</u>	<u>PLANT2 MCF</u>	<u>TOTAL MCF</u>	<u>TOTAL MCF</u>	<u>TOTAL MCF</u>
Jan	347,609	645,821	4,618	1,071	999,119	1,151,014	1,151,014
Feb	333,174	566,166	22,060	492	921,892	1,084,882	1,084,882
Mar	286,269	603,094	123,332	560	1,013,255	1,026,391	1,026,391
Apr	0	574,966	602,500	190	1,177,656	1,179,025	1,179,025
May	234,480	539,985	207,233	116	981,814	998,356	998,356
Jun	294,252	539,746	34,409	53	868,460	902,607	902,607
Jul	296,381	113,601	476,063	24	886,069	989,835	989,835
Aug	278,896	2,608	608,346	2	889,852	987,572	987,572
Sep	242,955	275,062	248,800	64	766,881	821,305	821,305
Oct	325,514	541,081	0	360	866,955	885,846	885,846
Nov	332,012	512,475	16,028	740	861,255	878,963	878,963
Dec	294,084	458,519	3,796	708	757,107	761,083	761,083
TOTALS	3,265,626	5,373,124	2,347,185	4,380	10,990,315	11,666,879	11,666,879

GENERATION SUMMARY REPORT

2012

FUEL OIL USAGE									
	<u>USED #1</u>	<u>USED #2</u>	<u>USED #3</u>	<u>USED #4</u>	<u>TOT P1</u>		<u>USED #5</u>	<u>USED #7</u>	<u>TOT P2</u>
	<u>GAL</u>	<u>GAL</u>	<u>GAL</u>	<u>GAL</u>	<u>Usage</u>		<u>GAL</u>	<u>GAL</u>	<u>Usage</u>
Jan	0	48	0	77	125		176	2,268	2,444
Feb	0	50	0	72	122		336	11,970	12,306
Mar	0	44	0	429	473		128	0	128
Apr	0	55	0	214	269		0	0	0
May	0	60	0	104	164		254	0	254
Jun	0	75	0	99	174		13,118	36,876	49,994
Jul	0	75	0	547	622		172	252	424
Aug	0	105	0	74	179		126	0	126
Sep	0	75	0	104	179		23	20,244	20,267
Oct	0	0	0	96	96		84	252	336
Nov	0	105	0	0	105		168	168	336
Dec	1,781	570	0	74	2,425		504	11,718	12,222
TOTALS	1,781	1,262	0	1,890	4,933		15,089	83,748	98,837