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VIA FEDERAL EXPRESS

August 1, 2000

Mr. Michael S. Haff  
Florida Public Service Commission  
Bureau of Electric Reliability/Conservation  
2540 Shumard Oak Blvd.  
Tallahassee, FL 32399-0850

000000-PU

Dear Mr. Haff,

Enclosed are the responses of Florida Municipal Power Agency to the Ten-Year Site Plan supplemental information requested in your letter dated June 8, 2000. We have referenced the upcoming joint OUC/FMPA/KUA Stanton #3 Need for Power Application in a number of our responses. We expect to file this application with the Public Service Commission by the end of this summer. As such, we will be happy to provide you with the appropriate pages of this document should you need them prior to such filing.

If you should have any questions, please feel free to contact either Rick Casey or me.

Sincerely,

Robert C. Williams  
Director of Engineering

- APP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMP \_\_\_\_\_
- COM \_\_\_\_\_
- CTR \_\_\_\_\_
- ECR \_\_\_\_\_
- LEG \_\_\_\_\_
- OPC \_\_\_\_\_
- PAI \_\_\_\_\_
- RGO \_\_\_\_\_
- SEC \_\_\_\_\_
- SER \_\_\_\_\_
- OTH \_\_\_\_\_

F L O R I D A M U N I C I P A L P O W E R A G E N C Y

DOCUMENT NUMBER-DATE

10059 AUG 17 8

FPSC-RECORDS/REPORTING

**Florida Municipal Power Agency  
2000 Ten-Year Site Plan  
Supplemental Data Response**

- 1. Provide all data requested on the attached forms. If any of the requested data is already included in FMFA's Ten-Year Site Plan, state so on the appropriate form.**

See attached forms.

- 2. Illustrate what FMFA's generation expansion plan would be as a result of sensitivities to the base case demand forecast. Include the cumulative present worth revenue requirements of each sensitivity.**

Sensitivities to the base case demand forecast will be addressed in the upcoming FMFA/OUK/KUA Stanton 3 Need for Power Application. Please refer to this document.

- 3. Identify and discuss any firm power purchases that FMFA expects to make from other utilities over the planning horizon. If some unidentified or unconfirmed future power purchase is part of FMFA's generation expansion plan, explain the nature of that purchase.**

- OUK Indian River purchase – currently up to 130 MW tapering down to zero by 1/1/07.
- OUK capacity and energy purchase – currently up to 20 MW through summer 2003.
- FPC PR – 2000, 80 MW – 2001, 40 MW – 2002, 27 MW – 2003-04, 15 MW – 2005, 40 MW.
- FPL long term – 45 MW through 2010.
- Gainesville – 43 MW through 2002 reducing to 3 MW in 2003. Zero for 2004 and beyond.
- Lake Worth – 2000, 15 MW – 2001, 10 MW – 2002, zero thereafter.
- TECo – 2000 - 2001 spring, 150 MW, zero thereafter.
- Lakeland – 2001 winter, 50 MW – 2001 summer through 2010, 100 MW.
- FP&L Purchase – summer 2002 thru summer 2007, 75 MW.
- Future resources – approximately 60 MW for 2003 and 2004 that can be supplied under existing purchase contracts if desired. Additional capacity needs begin in 2006 and increase to approximately 300 MW by 2009. These requirements will be supplied by future purchase power and/or new generating units.

- 4. For each of the generating units contained in FMFA's Ten-Year Site Plan, discuss the "drop dead" date for a decision on whether or not to construct each unit. Provide a time line for the construction of each unit, including regulatory approval, final decision point, and vendor order.**

One of the two units planned by FMFA is already under construction. The new joint FMFA/KUA Cane Island #3 combined cycle facility broke ground in December 1999 and is expected to be in service in June 2001. The planned joint FMFA/Lakeland McIntosh #4 combined-cycle unit Certificate of Need will be filed later this year and will include a construction timeline. Construction is expected to start in the summer of 2002 with an in-service date in the summer of 2005.

- 5. Identify and discuss all proposed or reasonably expected State and Federal environmental regulations or legislation that impacted FMFA's generation expansion plan.**

It is the policy of FMFA to meet or exceed all State and Federal environmental guidelines and regulations when considering new power-plant resources. Current plants that reflect this policy include FMFA's ownership share in the Stanton Energy Center and the existing Cane Island units. Stanton units 1 & 2 enjoy the status of being one of the cleanest pulverized coal-fired facilities in the country. Cane Island's gas-fired combined-cycle technology represents one of the cleanest power-plant configurations in use today. Currently under construction, Cane Island #3 will use the same environmentally friendly technology. The planned McIntosh #4 will utilize the

pressurized fluidized-bed technology to burn petroleum coke thus boosting efficiency and lowering emissions to levels well within environmental guidelines. FMFA intends to continue with this same strategy now and in the future whenever new power-plant resources are needed.

6. **Provide, on a system-wide basis, historical heating degree day (HDD) data for the period 1990-1999 and forecasted HDD data for the period 2000-2009.**

Available heating degree-day information is contained in Attachment A.

7. **Provide, on a system-wide basis, historical cooling degree day (CDD) data for the period 1990-1999 and forecasted CDD data for the period 2000-2009.**

Available cooling degree-day information is contained in Attachment B.

8. **Provide, on a system-wide basis, the historical real retail price of electricity within FMFA's service territory for the period 1990-1999. Also, provide the forecasted real retail price of electricity within FMFA's service territory for the period 2000-2009. Indicate the type of price deflator used to calculate the historical prices and forecasted real retail prices.**

The models used to project future requirements by FMFA's All-Requirements wholesale customers in the Ten-Year Site Plan dated April 2000 did not incorporate any electric price related variables and no projections are available. The prices have not been deflated. Attachment C contains the historical costs on a \$/MWh basis that FMFA has charged the All-Requirements customers. Please note that these energy prices do not include demand charges.

9. **Provide the following data to support Schedule 4 of FMFA's Ten-Year Site Plan: the 12 monthly peak demands for the years 1997, 1998 and 1999; and the date on which these monthly peaks occurred.**

See attached revised Schedule 4 sheet.

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**Public Service Commission Forms**

### Existing Generating Unit Operating Performance

(1) Plant Name	(2) Unit No.	(3) Planned Outage Factor (POF)		(4) Forced Outage Factor (FOF)		(5) Equivalent Availability Factor (EAF)		(6) Average Net Operating Heat Rate (ANOHR)	
		Historical	Projected	Historical	Projected	Historical	Projected	Historical	Projected
FPL/St. Lucie	2	Please refer to FPL's response to this request.							
KUA/Cane Island CT	1	Please refer to KUA's response to this request.							
KUA/Cane Island CC	2	Please refer to KUA's response to this request.							
OUC/Stanton	1	Please refer to OUC's response to this request.							
OUC/Stanton	2	Please refer to OUC's response to this request.							
OUC/Indian Rv CT	A	Please refer to OUC's response to this request.							
OUC/Indian Rv CT	B	Please refer to OUC's response to this request.							
OUC/Indian Rv CT	C	Please refer to OUC's response to this request.							
OUC/Indian Rv CT	D	Please refer to OUC's response to this request.							
Key West CT	2	Data not yet available.							
Key West CT	3	Data not yet available.							

**Note:** Historical - average of past three years.  
 Projected - average of next ten years.

**Nominal, Delivered Residual Oil Prices  
Base Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Less than 0.7%		Escalation	Residual Oil (by sulfur content)			Greater than 2.0%		Escalation
	\$/BBL	c/MBtu	%	0.7 - 2.0%	Escalation	%	\$/BBL	c/MBtu	%
<b>History</b>									
1997									
1998									
1999									
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>									
<b>Forecast</b>									
2000									
2001									
2002									
2003									
2004									
2005									
2006									
2007									
2008									
2009									

**Assumptions: heat content, ash content**

**Nominal, Delivered Residual Oil Prices  
High Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Less than 0.7%		Escalation	Residual Oil (by sulfur content)			Greater than 2.0%		Escalation
	\$/BBL	c/MBtu	%	\$/BBL	c/MBtu	%	\$/BBL	c/MBtu	%
<b>History</b>									
1997									
1998									
1999									
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>									
<b>Forecast</b>									
2000									
2001									
2002									
2003									
2004									
2005									
2006									
2007									
2008									
2009									

**Assumptions: heat content, ash content**

**Nominal, Delivered Residual Oil Prices  
Low Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Year	Less than 0.7%		Escalation	Residual Oil (by sulfur content) 0.7 - 2.0%			Greater than 2.0%		Escalation
	\$/BBL	c/MBtu	%	\$/BBL	c/MBtu	%	\$/BBL	c/MBtu	%
<b>History</b>									
1997									
1998									
1999									
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>									
<b>Forecast</b>									
2000									
2001									
2002									
2003									
2004									
2005									
2006									
2007									
2008									
2009									

**Assumptions: heat content, ash content**



**Nominal, Delivered Distillate Oil and Natural Gas Prices  
Base Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Year	Distillate Oil			Natural Gas		
	\$/BBL	c/MBtu	Escalation %	c/MBtu	\$/MCF	Escalation %
<b>History</b>						
1997						
1998						
1999						
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>						
<b>Forecast</b>						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						

**Assumptions for distillate Oil: heat content, ash content, sulfur content**

**Nominal, Delivered Distillate Oil and Natural Gas Prices  
High Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Year	Distillate Oil			Natural Gas		
	\$/BBL	c/MBtu	Escalation %	c/MBtu	\$/MCF	Escalation %
<b>History</b>						
1997						
1998						
1999						
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>						
<b>Forecast</b>						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						

**Assumptions for distillate Oil: heat content, ash content, sulfur content**

**Nominal, Delivered Distillate Oil and Natural Gas Prices  
Low Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Year	Distillate Oil			Natural Gas		
	\$/BBL	c/MBtu	Escalation %	c/MBtu	\$/MCF	Escalation %
<b>History</b>						
1997						
1998						
1999						
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>						
<b>Forecast</b>						
2000						
2001						
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						

**Assumptions for distillate Oil: heat content, ash content, sulfur content**

**Nominal, Delivered Coal Prices  
Base Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Low Sulfur Coal (< 1.0%)				Medium Sulfur Coal (1.0 - 2.0%)				High Sulfur Coal (> 2.0%)			
	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase
<b>History</b>												
1997												
1998												
1999												
	<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>											
<b>Forecast</b>												
2000												
2001												
2002												
2003												
2004												
2005												
2006												
2007												
2008												
2009												

**Assumptions: type of coal, heat content, ash content**

**Nominal, Delivered Coal Prices  
High Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Low Sulfur Coal (< 1.0%)				Medium Sulfur Coal (1.0 - 2.0%)				High Sulfur Coal (> 2.0%)			
	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase
<b>History</b>												
1997												
1998												
1999												
<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>												
<b>Forecast</b>												
2000												
2001												
2002												
2003												
2004												
2005												
2006												
2007												
2008												
2009												

**Assumptions: type of coal, heat content, ash content**

**Nominal, Delivered Coal Prices  
Low Case**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Year	Low Sulfur Coal (< 1.0%)				Medium Sulfur Coal (1.0 - 2.0%)				High Sulfur Coal (> 2.0%)			
	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase	\$/Ton	c/MBtu	Escalation %	% Spot Purchase
<b>History</b>												
1997												
1998												
1999												
	<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>											
<b>Forecast</b>												
2000												
2001												
2002												
2003												
2004												
2005												
2006												
2007												
2008												
2009												

**Assumptions: type of coal, heat content, ash content**

**Nominal, Delivered Nuclear Fuel and Firm Purchases  
Base Case**

	(1)	(2)	(3)	(4)	(5)
	Nuclear		Firm Purchases		
	Escalation		Escalation		
Year	c/MBtu	%	\$/MWh	%	
<b>History</b>					
1997					
1998					
1999					
	<i>Data will be provided in the OUC/FMPA/KUA Stanton 3</i>				
<b>Forecast</b>	<i>Need for Power Application.</i>				
2000					
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008					
2009					

**Financial Assumptions  
Base Case**

**AFUDC RATE** ..... %

**CAPITALIZATION RATIOS:**

**DEBT** ..... %  
**REFERRED** ..... %  
**EQUITY** ..... %

**RATE OF RETURN**

**DEBT** ..... %  
**REFERRED** ..... %  
**EQUITY** ..... %

**INCOME TAX RATE:**

**STATE** ..... %  
**FEDERAL** ..... %  
**EFFECTIVE** ..... %

**OTHER TAX RATE** ..... %

**DISCOUNT RATE** ..... %

**TAX**

**DEPRECIATION RATE** ..... %

*Data will be provided in the OUC/FMPA/KUA Stanton 3  
Need for Power Application.*



### Financial Escalation Assumptions

(1)	(2)	(3)	(4)	(5)
Year	General Inflation %	Plant Construction Cost %	Fixed O & M Cost %	Variable O & M Cost %
2000	<i>Data will be provided in the OUC/FMPA/KUA Stanton 3</i>			
2001	<i>Need for Power Application.</i>			
2002				
2003				
2004				
2005				
2006				
2007				
2008				
2009				

**Loss of Load Probability, Reserve Margin,  
and Expected Unserved Energy  
Base Case Load Forecast**

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Year	Annual Isolated			Annual Assisted		
	Loss of Load Probability (Days/Yr)	Reserve Margin % (Including Firm Purch)	Expected Unserved Energy (MWh)	Loss of Load Probability (Days/Yr)	Reserve Margin (%)	Expected Unserved Energy (MWh)
2000						
2001	<i>Data will be provided in the OUC/FMPA/KUA Stanton 3 Need for Power Application.</i>					
2002						
2003						
2004						
2005						
2006						
2007						
2008						
2009						

**Attachment A**

**Heating Degree Day Data**

# HEATING DEGREE DAYS

MONTH	BUSHNELL	CLEWISTON	FT MEADE	FT PIERCE	GREEN COVE	HAVANA	JAX BCH	KEY WEST	LAKE WORTH	LEESBURG	OCALA	STARKE	VERO BCH
Jan-90	102	111		42	194					102	102	194	37
Feb-90	41	44		30	97					60	60	97	19
Mar-90	30	27		9	64					32	32	64	8
Apr-90	17	17		11	50					19	19	50	2
May-90	0	1		0	0					0	0	0	0
Jun-90	0	0		0	0					0	0	0	0
Jul-90	0	0		0	0					0	0	0	0
Aug-90	0	0		0	0					0	0	0	0
Sep-90	0	0		0	0					0	0	0	0
Oct-90	16	0		6	30					16	16	30	4
Nov-90	45	13		2	91					56	56	91	5
Dec-90	127	38		40	180					124	124	180	44
Jan-91	139	19		41	247				18	75	75	247	52
Feb-91	140	49		73	117				44	88	88	117	76
Mar-91	72	49		34	119				17	70	70	119	43
Apr-91	8	4		0	9				0	2	2	9	0
May-91	0	0		0	0				0	0	0	0	0
Jun-91	0	0		0	0				0	0	0	0	0
Jul-91	0	0		0	0				0	0	0	0	0
Aug-91	0	0		0	0				0	0	0	0	0
Sep-91	0	0		0	0				0	0	0	0	0
Oct-91	6	0		0	18				0	5	5	18	0
Nov-91	142	21		59	211				23	146	146	211	54
Dec-91	126	102		46	232				10	131	131	232	39
Jan-92	263	97		162	384		325		73	270	270	384	153
Feb-92	132	25		83	203		199		21	151	151	203	62
Mar-92	75	33		60	151		106		22	87	87	151	55
Apr-92	46	0		23	83		115		4	50	50	83	22
May-92	7	0		3	21		0		0	9	9	21	1
Jun-92	0	0		0	0		0		0	0	0	0	0
Jul-92	0	0		0	0		0		0	5	5	0	0
Aug-92	0	0		0	0		0		0	0	0	0	0
Sep-92	0	0		0	0		0		0	0	0	0	0
Oct-92	0	0		0	21		1		0	4	4	21	0
Nov-92	85	2		29	144		70		9	47	47	144	26
Dec-92	140	49		69	264		198		27	169	169	264	55
Jan-93	0	42	69	45	189	255	237	22	11	113	113	189	37
Feb-93	204	69	150	113	298	334	148	0	28	206	206	298	95
Mar-93	126	5	112	80	182	259	62	5	28	134	134	182	65
Apr-93	0	0	32	22	67	139	0	12	3	36	36	67	14
May-93	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun-93	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-93	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-93	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-93	0	0	0	0	0	0	13	0	0	0	0	0	0
Oct-93	0	0	0	0	13	31	108	0	0	9	9	13	4
Nov-93	0	2	77	34	137	241	364	0	11	79	79	137	28
Dec-93	330	65	222	168	405	471	200	0	60	291	291	405	146
Jan-94	234	43	164	110	370	554	387	9	46	246	246	370	83
Feb-94	94	65	57	44	149	254	184	9	14	103	103	149	29
Mar-94	64	103	47	37	105	165	102	5	0	64	64	105	41
Apr-94	7	16	1	0	17	52	20	0	0	10	10	17	1
May-94	0	0	0	0	0	1	0	0	0	0	0	0	0
Jun-94	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-94	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-94	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-94	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct-94	0	0	0	0	7	29	0	0	0	290	290	7	0
Nov-94	9	19	5	0	51	100	40	0	0	165	165	51	0
Dec-94	120	79	89	63	217	332	209	0	31	141	141	217	70

Jan-95	261	87	219	167	357	481	343	0	91	254	254	357	194
Feb-95	172	1	189	135	252	349	278	15	93	182	182	252	168
Mar-95	44	0	31	9	84	114	87	24	3	48	48	84	17
Apr-95	6	0	7	2	23	71	30	0	0	6	6	23	5
May-95	0	0	7	0	0	1	0	0	0	0	0	0	0
Jun-95	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-95	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-95	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-95	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct-95	0	0	0	0	24	25	5	0	0	4	4	24	0
Nov-95	131	12	85	55	233	289	176	0	16	146	146	233	165
Dec-95	223	8	194	178	424	456	327	0	115	257	257	424	153
Jan-96	229	143	221	164	361	499	368	37	105	261	261	361	178
Feb-96	178	130	191	162	258	326	260	37	105	194	194	258	175
Mar-96	183	102	158	120	261	317	253	61	62	209	209	261	112
Apr-96	24	13	29	22	71	133	67	29	6	39	39	71	32
May-96	0	0	0	0	1	10	2	0	0	0	0	1	0
Jun-96	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-96	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-96	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-96	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct-96	10	0	7	0	20	27	9	0	0	10	10	20	0
Nov-96	69	10	34	13	144	215	103	0	1	90	90	144	17
Dec-96	183	45	114	75	263	323	236	0	35	184	184	263	95
Jan-97	189	87	134	99	269	276	294	12	79	193	193	269	85
Feb-97	57	34	59	28	122	285	148	27	13	82	82	122	44
Mar-97	4	0	0	0	26	52	23	2	0	7	7	26	0
Apr-97	27	6	12	8	40	57	34	0	2	17	17	40	13
May-97	0	0	0	0	0	50	0	0	0	1	1	0	0
Jun-97	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-97	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-97	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-97	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct-97	22	1	6	2	29	56	16	0	0	10	10	29	3
Nov-97	80	14	43	27	161	221	130	0	8	87	87	161	34
Dec-97	211	113	165	133	301	390	281	15	75	226	226	301	164
Jan-98	162	65	128	81	245	345	249	12	36	167	167	245	102
Feb-98	143	89	136	120	209	292	201	7	56	161	161	209	119
Mar-98	152	76	117	125	208	250	229	19	55	161	161	208	132
Apr-98	11	4	12	4	33	63	23	0	0	13	13	33	16
May-98	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun-98	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-98	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-98	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-98	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct-98	0	0	0	0	4	34	0	0	0	1	1	4	0
Nov-98	16	1	9	2	44	76	20	0	0	17	17	44	7
Dec-98	96	34	57	41	157	39	140	0	25	101	101	157	50
Jan-99	189	61	123	77	234	343	235	31	44	160	160	234	115
Feb-99	124	81	86	81	185	247	169	8	42	125	125	185	98
Mar-99	97	52	42	38	161	221	150	2	19	86	86	161	82
Apr-99	22	4	17	3	32	34	29	7	0	12	12	32	12
May-99	5	2	7	6	4	17	11	0	1	5	5	4	0
Jun-99	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-99	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug-99	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-99	0	0	0	0	1	6	0	0	7	0	0	1	0
Oct-99	10	0	4	0	31	38	13	0	0	17	17	31	1
Nov-99	44	5	24	4	101	157	56	0	0	52	52	101	7
Dec-99	157	81	121	27	299	396	241	4	56	202	202	299	75
Jan-2000	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2000	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2000	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2000	17	6	16	10	43	78	40	7	2	20	20	43	12



Sep-2005	0	0	0	0	0	1	2	0	1	0	0	0	
Oct-2005	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2005	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2005	169	61	137	84	274	344	229	3	48	183	183	274	89
Jan-2006	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2006	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2006	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2006	17	6	16	10	43	78	40	7	2	20	20	43	12
May-2006	1	0	2	1	3	11	2	0	0	2	2	3	0
Jun-2006	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-2006	0	0	0	0	0	0	0	0	0	1	1	0	0
Aug-2006	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-2006	0	0	0	0	0	1	2	0	1	0	0	0	0
Oct-2006	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2006	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2006	169	61	137	84	274	344	229	3	48	183	183	274	89
Jan-2007	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2007	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2007	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2007	17	6	16	10	43	78	40	7	2	20	20	43	12
May-2007	1	0	2	1	3	11	2	0	0	2	2	3	0
Jun-2007	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-2007	0	0	0	0	0	0	0	0	0	1	1	0	0
Aug-2007	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-2007	0	0	0	0	0	1	2	0	1	0	0	0	0
Oct-2007	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2007	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2007	169	61	137	84	274	344	229	3	48	183	183	274	89
Jan-2008	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2008	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2008	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2008	17	6	16	10	43	78	40	7	2	20	20	43	12
May-2008	1	0	2	1	3	11	2	0	0	2	2	3	0
Jun-2008	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-2008	0	0	0	0	0	0	0	0	0	1	1	0	0
Aug-2008	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-2008	0	0	0	0	0	1	2	0	1	0	0	0	0
Oct-2008	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2008	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2008	169	61	137	84	274	344	229	3	48	183	183	274	89
Jan-2009	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2009	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2009	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2009	17	6	16	10	43	78	40	7	2	20	20	43	12
May-2009	1	0	2	1	3	11	2	0	0	2	2	3	0
Jun-2009	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-2009	0	0	0	0	0	0	0	0	0	1	1	0	0
Aug-2009	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-2009	0	0	0	0	0	1	2	0	1	0	0	0	0
Oct-2009	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2009	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2009	169	61	137	84	274	344	229	3	48	183	183	274	89
Jan-2010	175	76	151	99	285	390	305	18	56	184	184	285	104
Feb-2010	128	59	124	85	189	295	198	15	46	135	135	189	89
Mar-2010	85	45	72	51	136	197	127	17	23	90	90	136	56
Apr-2010	17	6	16	10	43	78	40	7	2	20	20	43	12
May-2010	1	0	2	1	3	11	2	0	0	2	2	3	0
Jun-2010	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul-2010	0	0	0	0	0	0	0	0	0	1	1	0	0
Aug-2010	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-2010	0	0	0	0	0	1	2	0	1	0	0	0	0
Oct-2010	6	0	2	1	20	34	19	0	0	37	37	20	1
Nov-2010	62	10	40	23	132	186	120	0	8	89	89	132	34
Dec-2010	169	61	137	84	274	344	229	3	48	183	183	274	89

**Attachment B**

**Cooling Degree Day Data**



**COOLING DEGREE DAYS**

MONTH	BUSHNELL	CLEWISTON	FT MEADE	FT PIERCE	GREEN COVE	HAVANA	JAX BCH	KEY WEST	LAKE WORTH	LEESBURG	OCALA	STARKE	VERO BCH
Jan-90	58	49		124	24					58	58	24	138
Feb-90	126	139		142	71					123	123	71	172
Mar-90	95	150		138	22					112	112	22	174
Apr-90	155	210		204	93					167	167	93	240
May-90	393	289		380	359					402	402	359	439
Jun-90	448	483		466	454					491	491	454	477
Jul-90	495	562		539	496					524	524	496	527
Aug-90	503	511		548	499					533	533	499	540
Sep-90	448	592		494	406					458	458	406	500
Oct-90	321	339		376	259					315	315	259	429
Nov-90	100	299		201	46					108	108	46	193
Dec-90	85	100		155	58					92	92	58	150
Jan-91	61	180		167	29				211	121	121	29	156
Feb-91	20	44		101	21				140	71	71	21	89
Mar-91	123	100		177	94				283	124	124	94	159
Apr-91	305	199		319	224				366	277	277	224	316
May-91	393	375		452	435				478	422	422	435	449
Jun-91	448	521		447	428				514	435	435	428	490
Jul-91	495	570		530	490				571	510	510	490	547
Aug-91	545	553		535	492				582	519	519	492	553
Sep-91	489	510		484	388				518	447	447	388	495
Oct-91	279	407		360	182				436	227	227	182	377
Nov-91	75	223		156	45				223	74	74	45	174
Dec-91	79	38		115	38				180	75	75	38	125
Jan-92	22	77		37	5		8		88	13	13	5	48
Feb-92	51	196		85	28		25		136	44	44	28	101
Mar-92	58	171		103	35		45		175	57	57	35	120
Apr-92	160	355		180	94		67		238	139	139	94	198
May-92	263	439		273	219		0		345	258	258	219	299
Jun-92	491	514		440	430		0		476	496	496	430	474
Jul-92	579	539		535	538		587		575	547	547	538	556
Aug-92	503	520		476	454		511		537	487	487	454	523
Sep-92	469	468		437	425		452		507	440	440	425	492
Oct-92	197	409		300	104		192		404	163	163	104	335
Nov-92	181	230		224	126		144		332	217	217	126	274
Dec-92	33	154		73	9		23		172	27	27	9	96
Jan-93	0	120	111	141	39	15	21	155	218	79	79	39	153
Feb-93	2	121	17	22	0	2	81	296	71	5	5	0	33
Mar-93	52	196	57	69	35	23	59	169	158	61	61	35	100
Apr-93	58	315	93	114	42	24	245	231	198	69	69	42	127
May-93	160	500	292	300	238	214	438	282	0	271	271	238	332
Jun-93	465	497	460	417	432	453	542	445	506	461	461	432	457
Jul-93	544	500	521	502	538	541	533	569	564	560	560	538	554
Aug-93	503	565	449	478	532	530	438	656	590	531	531	532	538
Sep-93	488	500	451	452	417	406	228	638	561	453	453	417	491
Oct-93	197	450	267	329	190	145	57	574	435	279	279	190	385
Nov-93	181	126	118	193	61	37	4	508	298	105	105	61	224
Dec-93	33	169	19	19	1	0	20	370	92	5	5	1	29
Jan-94	16	181	45	56	7	0	1	197	121	14	14	7	84
Feb-94	97	161	108	108	51	31	25	181	210	88	88	51	144
Mar-94	137	129	138	175	67	50	53	279	0	139	139	67	176
Apr-94	266	212	285	329	176	135	179	302	0	248	248	176	298
May-94	364	435	383	386	298	251	286	431	435	369	369	298	366
Jun-94	437	428	471	486	478	420	431	520	508	479	479	478	486
Jul-94	500	550	494	508	460	453	437	612	533	501	501	460	506
Aug-94	545	532	473	486	450	437	451	607	515	478	478	450	490
Sep-94	427	505	431	437	348	320	377	579	473	400	400	348	432
Oct-94	280	239	334	364	204	139	241	296	401	0	0	204	358
Nov-94	190	147	210	266	115	83	115	489	305	20	20	115	279
Dec-94	60	78	99	114	37	7	26	397	175	51	51	37	118

Jan-95	13	108	20	39	1	2	0	277	74	16	16	1	27
Feb-95	40	184	49	54	25	9	3	147	102	39	39	25	50
Mar-95	102	273	109	145	70	50	38	152	228	114	114	70	107
Apr-95	211	286	241	240	141	91	130	283	330	206	206	141	222
May-95	476	399	483	435	398	333	367	409	499	445	445	398	419
Jun-95	440	475	430	440	412	379	417	583	483	441	441	412	426
Jul-95	549	535	511	485	533	534	530	551	542	557	557	533	507
Aug-95	541	543	535	502	536	531	527	605	558	548	548	536	522
Sep-95	483	491	473	459	427	375	419	638	528	449	449	427	501
Oct-95	370	362	381	398	284	178	325	580	490	329	329	284	448
Nov-95	77	159	99	120	38	25	51	528	196	75	75	38	62
Dec-95	38	122	42	62	2	17	6	318	141	33	33	2	69
Jan-96	33	72	35	64	12	0	3	170	136	30	30	12	55
Feb-96	82	81	51	69	41	26	34	158	93	60	60	41	66
Mar-96	77	115	92	102	44	21	29	137	155	67	67	44	103
Apr-96	169	203	184	206	118	69	84	188	263	162	162	118	161
May-96	407	440	377	406	365	346	316	333	451	402	402	365	370
Jun-96	444	451	425	444	422	405	405	490	478	442	442	422	438
Jul-96	534	549	533	562	532	518	529	533	579	550	550	532	502
Aug-96	321	524	513	538	461	480	456	621	534	477	477	461	491
Sep-96	457	480	465	493	408	338	424	586	519	447	447	408	461
Oct-96	289	343	290	326	209	108	228	562	405	250	250	209	304
Nov-96	119	176	120	193	45	41	58	439	246	87	87	45	154
Dec-96	35	103	41	82	14	12	4	323	153	31	31	14	45
Jan-97	35	110	61	86	22	31	9	249	128	43	43	22	69
Feb-97	114	186	126	178	60	28	27	217	223	85	85	60	126
Mar-97	214	280	213	264	144	97	118	293	305	201	201	144	228
Apr-97	137	258	161	195	103	71	101	391	285	148	148	103	150
May-97	332	409	345	383	277	112	263	385	431	328	328	277	319
Jun-97	448	480	438	439	390	369	369	534	490	427	427	390	418
Jul-97	477	555	513	522	518	528	496	556	564	543	543	518	508
Aug-97	548	553	524	501	511	504	512	611	541	530	530	511	515
Sep-97	474	462	446	461	446	420	433	515	500	465	465	446	445
Oct-97	252	332	272	317	196	178	253	441	408	258	258	196	296
Nov-97	50	168	82	126	29	23	38	325	218	65	65	29	88
Dec-97	33	142	94	102	23	3	17	195	154	38	38	23	79
Jan-98	50	117	63	81	33	16	9	195	145	54	54	33	74
Feb-98	37	75	41	46	14	3	15	175	108	27	27	14	38
Mar-98	94	120	95	105	55	19	30	201	163	86	86	55	69
Apr-98	180	236	185	190	153	95	129	351	298	186	186	153	154
May-98	363	417	385	370	395	407	363	466	449	418	418	395	338
Jun-98	574	570	570	540	580	595	583	611	594	606	606	580	510
Jul-98	569	578	573	558	578	587	573	652	596	599	599	578	529
Aug-98	553	566	538	546	535	515	526	616	602	558	558	535	504
Sep-98	456	510	484	487	431	444	460	565	553	461	461	431	443
Oct-98	352	420	380	427	279	149	327	508	481	338	338	279	356
Nov-98	167	244	213	216	120	75	150	376	285	171	171	120	188
Dec-98	97	198	153	173	61	0	65	318	237	101	101	61	127
Jan-99	58	96	69	122	22	7	11	228	154	49	49	22	46
Feb-99	74	62	83	92	39	15	28	195	95	57	57	39	49
Mar-99	33	16	65	89	13	3	12	223	131	41	41	13	18
Apr-99	278	292	300	284	248	185	210	410	343	290	290	248	205
May-99	331	341	337	323	270	266	236	484	390	340	340	270	252
Jun-99	451	448	435	459	375	416	415	541	458	455	455	375	362
Jul-99	547	522	515	559	532	504	552	599	569	573	573	532	450
Aug-99	563	550	511	569	539	572	545	602	574	587	587	539	479
Sep-99	447	465	443	468	394	326	398	556	512	451	451	394	389
Oct-99	286	345	302	378	236	231	270	446	429	257	257	236	313
Nov-99	71	160	120	197	46	11	55	330	256	74	74	46	165
Dec-99	44	107	54	97	4	1	13	232	160	19	19	4	75
Jan-2000	111	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2000	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2000	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2000	192	255	208	226	139	96	143	308	258	189	189	139	207

May-2000	348	404	369	371	325	276	284	399	386	366	386	325	358
Jun-2000	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2000	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2000	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2000	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2000	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2000	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2000	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2001	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2001	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2001	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2001	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2001	348	404	369	371	325	276	284	399	386	366	366	325	358
Jun-2001	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2001	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2001	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2001	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2001	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2001	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2001	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2002	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2002	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2002	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2002	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2002	348	404	369	371	325	276	284	399	386	366	366	325	358
Jun-2002	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2002	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2002	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2002	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2002	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2002	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2002	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2003	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2003	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2003	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2003	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2003	348	404	369	371	325	276	284	399	386	366	366	325	358
Jun-2003	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2003	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2003	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2003	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2003	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2003	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2003	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2004	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2004	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2004	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2004	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2004	348	404	369	371	325	276	284	399	386	366	366	325	358
Jun-2004	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2004	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2004	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2004	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2004	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2004	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2004	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2005	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2005	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2005	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2005	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2005	348	404	369	371	325	276	284	399	386	366	366	325	358
Jun-2005	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2005	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2005	518	544	506	518	501	510	496	617	559	525	525	501	516

Sep-2005	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2005	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2005	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2005	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2006	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2006	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2006	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2006	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2006	348	404	369	371	325	276	284	399	366	366	366	325	358
Jun-2006	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2006	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2006	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2006	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2006	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2006	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2006	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2007	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2007	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2007	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2007	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2007	348	404	369	371	325	276	284	399	366	366	366	325	358
Jun-2007	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2007	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2007	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2007	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2007	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2007	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2007	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2008	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2008	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2008	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2008	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2008	348	404	369	371	325	276	284	399	366	366	366	325	358
Jun-2008	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2008	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2008	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2008	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2008	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2008	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2008	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2009	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2009	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2009	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2009	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2009	348	404	369	371	325	276	284	399	366	366	366	325	358
Jun-2009	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2009	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2009	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2009	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2009	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2009	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2009	54	121	72	99	25	6	22	308	163	47	47	25	91
Jan-2010	35	111	58	92	19	10	8	210	142	48	48	19	85
Feb-2010	64	125	68	90	35	16	27	196	131	60	60	35	87
Mar-2010	99	155	110	137	58	38	48	208	175	100	100	58	125
Apr-2010	192	255	208	226	139	96	143	308	258	189	189	139	207
May-2010	348	404	369	371	325	276	284	399	366	366	366	325	358
Jun-2010	465	487	461	458	440	434	395	532	501	473	473	440	454
Jul-2010	529	546	523	530	522	524	530	582	566	546	546	522	519
Aug-2010	518	544	506	518	501	510	496	617	559	525	525	501	516
Sep-2010	462	498	456	465	409	376	399	582	519	447	447	409	465
Oct-2010	282	365	318	358	214	161	236	487	432	242	242	214	360
Nov-2010	121	193	137	189	67	42	77	428	262	100	100	67	180
Dec-2010	54	121	72	99	25	6	22	308	163	47	47	25	91

**Attachment C**

**Energy Cost Data**

**All-Requirements Project Historical Energy Costs (\$/MWh)**

	<b>January</b>	<b>February</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>August</b>	<b>September</b>	<b>October</b>	<b>November</b>	<b>December</b>
<b>1988</b>	26.53	26.93	22.64	23.18	22.94	22.37	25.46	24.74	24.63	24.73	21.94	25.17
<b>1989</b>	22.41	18.79	22.60	24.62	24.68	26.27	24.74	25.05	24.71	25.35	24.33	25.57
<b>1990</b>	25.26	26.39	25.87	27.75	26.63	27.19	28.73	26.29	25.80	25.67	25.21	24.76
<b>1991</b>	26.13	26.10	26.14	26.66	26.19	26.46	24.36	24.57	25.52	22.00	25.42	23.76
<b>1992</b>	24.76	22.46	25.58	21.50	21.37	21.90	24.10	28.96	26.15	22.86	23.64	26.49
<b>1993</b>	24.87	27.77	22.17	20.98	26.21	27.22	24.42	26.09	28.31	27.29	24.00	22.49
<b>1994</b>	23.68	22.57	21.46	26.04	22.10	28.52	27.27	22.63	25.16	27.21	25.16	25.35
<b>1995</b>	21.53	19.79	27.76	19.63	18.21	28.91	23.95	23.13	26.51	23.30	23.70	25.84
<b>1996</b>	28.35	25.93	28.29	29.02	24.61	28.12	28.04	23.25	25.07	25.82	26.53	25.51
<b>1997</b>	27.48	25.42	25.25	31.85	25.25	22.54	25.17	24.18	24.35	29.20	26.70	27.39
<b>1998</b>	24.83	24.49	16.92	25.48	22.46	23.62	23.28	25.35	24.95	24.75	25.01	22.79
<b>1999</b>	21.78	24.57	22.29	23.03	25.59	28.32	24.27	25.71	32.92	30.22	27.03	23.89

**Note:** Prices do not include demand charges.

**Schedule 4 (Revised)**  
**Supplemental Data Request**  
**All-Requirements Project**

(1)	(2) Actual - 1997		(4) Actual - 1998		(6) Actual - 1999	
	Peak Demand	Date	Peak Demand	Date	Peak Demand	Date
<b>Month</b>	<b>MW</b>	<b>Date</b>	<b>MW</b>	<b>Date</b>	<b>MW</b>	<b>Date</b>
January	481	19	570	29	927	6
February	394	12	651	9	755	23
March	363	5	686	12	652	16
April	369	5	690	9	810	27
May	459	27	860	9	831	26
June	599	19	946	17	855	14
July	644	23	892	2	965	29
August	636	14	939	17	981	2
September	611	16	855	1	874	3
October	571	1	832	7	800	11
November	453	14	655	18	666	1
December	547	15	632	8	699	2