



July 31, 2009

VIA HAND DELIVERY

Ms. Ann Cole, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

RECEIVED - FPSC
09 JUL 31 AM 11:58
COMMISSION
CLERK

Re: *Cost of Service Load Research Study; Undocketed*

Dear Ms. Cole:

Pursuant to Rule 25-6.0437(7), F.A.C., please find enclosed for filing on behalf of Progress Energy Florida, Inc. an original and seven (7) copies of its Cost of Service Load Research Study Results for the twelve month period ending March 31, 2009.

Thank you for your assistance in this matter. Please feel free to call me at (727) 820-5184 should you have any questions.

Sincerely,

John T. Burnett cms
John T. Burnett

JTB/lms
Attachment

COM	_____
ECR	<u> 2 </u>
GCL	<u> 1 </u>
OPC	_____
RCP	<u> 1 </u>
SSC	_____
SGA	<u> 2 </u>
ADM	_____
CLK	_____

DOCUMENT NUMBER - DATE
07846 JUL 31 09
FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PROGRESS ENERGY FLORIDA, INC.

LOAD RESEARCH STUDY RESULTS

COVERING THE PERIOD FROM

APRIL, 2008 THROUGH MARCH, 2009

JULY 31, 2009

FPSC RULE 25-6.0437(7) F.A.C.

DOCUMENT NUMBER DATE

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STUDY BACKGROUND AND OBJECTIVES

The purpose of this study is to meet the requirements of the Cost-of-Service Load Research Rule, Docket No. 820491-EU, Order No. 13026, adopted as Rule 25-6.0437 on February 23, 1984, by the Florida Public Service Commission and as amended on January 6, 2004.

The rule requires that every rate class which accounts for more than one percent of the utility's annual retail sales be sampled every three years. The load research studies must be designed to provide estimates within plus or minus 10% relative accuracy at the 90% confidence level for the summer and winter peak demands and the average of the twelve monthly coincident peaks (15% relative accuracy for the General Service Non-Demand Rate Class).

REPORTING PERIOD

The new sample points were selected during the fall of 2007 and mass memory interval recording meters were installed in the winter of 2007/2008. Formal data collection began on April 1, 2008 and continued through March 31, 2009.

RESIDENTIAL RATE CLASS SAMPLE

The Residential Rate Class had over 1,450,000 customers when the data collection commenced. Nearly 400,000 customers were on the load management rate at that time. Due to the large number of residences on load management, independent samples were drawn for both the load management residential rate and the standard residential rate. Past experience indicated that a residential sample of 325 would be more than enough to exceed the target accuracy goal. Combined ratio estimation was used for expansion to the class level.

The residential load management and non-load management samples were stratified by housing type:

- 1) single-family detached;
- 2) mobile/manufactured homes; and
- 3) multi-family (apartments, townhouses, condos, etc.)

Table 1 shows the stratum design for the Residential Rate Class sample.

Stratum	Load Management Residential Rate	Standard Residential Rate
Single Family Detached	40	125
Mobile / Manufactured Home	40	40
Multi-Family (Apartments)	40	40
Total	120	205

Table 1 - Residential Sample Design

GENERAL SERVICE NON-DEMAND RATE CLASS SAMPLE

At the time of sample selection in the winter of 2007, the General Service Non-Demand Rate Class consisted of over 124,000 customers. By April 2008 when data collection officially began, Progress Energy Florida had 125,852 General Service Non-Demand customers.

Two dimensional stratification and combined ratio expansion were used for this rate class sample. The technique involved stratification using the billed energy for the winter peak month (February, 2006) and the summer peak month (August, 2006). The Dalenius-Hodges cumulative square root "uf" technique was applied to the class billed energy for the peak month to establish stratum boundaries. Table 2 shows the stratum design for the General Service Non-Demand Rate Class sample.

Stratum	Sample Size
1 - Feb 06 billed energy > 1,200 kWh & Aug 06 energy < 1,700 kWh	15
2 - Feb 06 billed energy > 1,200 kWh & Aug 06 energy > 1,700 kWh	44
3 - Feb 06 billed energy < 1,200 kWh & Aug 06 energy < 1,700 kWh	526
4 - Feb 06 billed energy < 1,200 kWh & Aug 06 energy > 1,700 kWh	15
5 - Census Stratum – customers over >40,000 kWh / month	25
Total	625

Table 2 - General Service Non-Demand Sample Design

GENERAL SERVICE DEMAND RATE CLASS SAMPLE

Two dimensional stratification and combined ratio expansion were used for the General Service Demand Rate Class sample. The technique involved stratification using the peak billed kW and the revenue class data. The Dalenius-Hodges cumulative square root "uf" technique was applied to the class billed demand for the peak month to establish stratum boundaries. All customers in over 1000 kW did not require sampling because each customer in this stratum is metered with a mass memory interval recording meter for billing purposes. Table 3 outlines stratum design for the General Service Demand Rate Class sample.

Stratum	Sample Size
1 – Customers with a billing demand less than 40 kW	102
2 – Customers with a billing demand between 40 kW & 190 kW	58
3 – Customers with a billing demand between 190 kW & 1,000 kW	30
4 – Customers with a billing demand greater than 1000 kW	242
Total	432

Table 3 - General Service Demand Sample Design

INTERRUPTIBLE RATE CLASS

The Interruptible Rate Class did not require sampling because each customer in this class is metered with a mass memory interval recording meter for billing purposes. At the beginning of data collection in April 2008, there were 145 customers in the Interruptible Rate Class.

METERING OF SAMPLE MEMBERS

The sample customer's conventional meter was replaced with a solid-state meter. The solid-state meter records the customer's usage every 15 minutes and stores it in a mass memory chip within the meter. The data from these meters was translated and validated for accuracy in the MV-90 xi software package. Load data was analyzed on a calendar month basis using the MV90 xi Load Research Package to derive the data contained in this report.

SELECTION OF REPLACEMENTS

During the course of the study, a small number of sample points had to be replaced for various reasons. To minimize the amount of replacement necessary, Progress Energy Florida's policy is not to request permission from the customer before load research meters are installed. The selection of replacements was handled differently depending on the rate class.

Replacements for the Residential Rate Class were picked from a list of randomly selected alternates that was generated at the same time the original sample was drawn. When a replacement was needed, it was selected as the first available alternate on the list from within the same stratum as the original sample.

Two replacement lists for the General Service Non-Demand Rate Class were selected. At the time the original sample was drawn, additional random samples were drawn to be used as replacements. The replacement samples were stratified and then ordered by the February 2006 billed energy and matched to the original (ordered) sample by strata.

Two replacement lists for the General Service Demand Rate Class were selected. At the time the original sample was drawn, additional random samples were drawn to be used as replacements. The replacement samples were stratified and then ordered by the February 2006 billed demand and matched to the original (ordered) sample by strata.

STATISTICAL ACCURACY ACHIEVED

Tables 4 through 7 contain the estimated class demands for the coincident and non-coincident peaks for the Residential, General Service Non-Demand, General Service Demand, and Interruptible Rate Classes. Also included are the 90% confidence intervals around the monthly peak demands and their relative accuracy in percentage. The twelve coincident peak averages for all rate classes, their 90% confidence intervals and their relative accuracy are computed for the twelve month period ending March, 2009. The statistics shown in tables 4-7 were obtained using MV90 xi's Load Research software package.

The winter peak hour during the study period occurred at hour ending 0800 on Friday, February 06, 2009 and the summer peak hour occurred at hour ending 1700 on Thursday, August 7, 2008. The target level of statistical accuracy of plus or minus 10% error at the 90% confidence level for the system summer and winter peak was met for the Residential and General Service Demand Rate

Classes. The target level of statistical accuracy of plus or minus 15% error at the 90% confidence level for the system summer and winter peak was met for the General Service Non-Demand Rate Class.

TABLE 4

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2009**

RESIDENTIAL (RS) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					Non Coincident		
		Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)
Apr-08	1,352,009,707	3,520.7	342.2	9.72	04/27/08	17:00	2,634.0	287.4	10.91	04/04/08	17:00	9,318.3	710.05	7.62
May-08	1,449,359,004	4,434.7	323.3	7.29	05/31/08	17:00	4,434.7	323.3	7.29	05/31/08	17:00	9,605.3	560.95	5.84
Jun-08	1,946,262,273	4,691.6	227.1	4.84	06/07/08	18:00	4,588.8	190.9	4.16	06/06/08	17:00	9,525.1	408.63	4.29
Jul-08	1,828,091,440	4,855.5	244.7	5.04	07/20/08	17:00	4,577.7	234.4	5.12	07/21/08	16:00	9,485.2	405.97	4.28
Aug-08	2,025,500,814	4,827.8	200.8	4.16	08/07/08	18:00	4,707.7	182.2	3.87	08/07/08	17:00	9,382.2	354.65	3.78
Sep-08	2,233,380,980	4,784.6	226.3	4.73	09/01/08	18:00	4,375.7	186.4	4.26	09/08/08	17:00	9,244.1	331.86	3.59
Oct-08	1,639,170,125	4,103.8	275.0	6.7	10/12/08	17:00	3,971.1	235.5	5.93	10/12/08	16:00	9,478.9	530.82	5.60
Nov-08	1,396,968,629	3,991.6	340.9	8.54	11/20/08	08:00	3,991.6	340.9	8.54	11/20/08	08:00	10,373.5	752.08	7.25
Dec-08	1,432,076,680	4,454.5	410.3	9.21	12/03/08	08:00	4,454.5	410.3	9.21	12/03/08	08:00	10,670.3	1119.31	10.49
Jan-09	1,374,076,675	6,189.4	623.9	10.08	01/22/09	08:00	6,189.4	623.9	10.08	01/22/09	08:00	11,822.9	937.56	7.93
Feb-09	1,616,591,025	6,117.8	433.1	7.08	02/05/09	08:00	6,090.4	418.4	6.87	02/06/09	08:00	11,365.8	919.49	8.09
Mar-09	1,289,663,760	4,317.0	373.4	8.65	03/03/09	07:00	4,247.6	381.0	8.97	03/03/09	08:00	9,949.6	847.71	8.52
		TWELVE COINCIDENT PEAK STATISTICS:												
		Twelve Months Ending March 2009												
							4,521.9 242.1 5.35%							

TABLE 5

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2009**

GENERAL SERVICE (GS) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					90%		
		Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)
Apr-08	100,673,909	282.7	61.9	21.91	04/01/08	14:00	181.5	28.0	15.44	04/04/08	17:00	650.4	59.6	9.2
May-08	107,171,587	295.7	43.5	14.72	05/12/08	15:00	207.3	29.8	14.37	05/31/08	17:00	660.4	65.4	9.9
Jun-08	127,790,997	310.6	34.8	11.21	06/03/08	13:00	244.3	20.5	8.41	06/06/08	17:00	635.5	55.6	8.8
Jul-08	118,146,646	287.8	21.0	7.31	07/21/08	16:00	287.8	21.0	7.31	07/21/08	16:00	628.1	67.8	10.8
Aug-08	122,657,082	287.7	39.9	13.86	08/12/08	12:00	254.9	16.1	6.32	08/07/08	17:00	602.0	52.4	8.7
Sep-08	138,480,545	289.7	34.8	12.02	09/17/08	16:00	248.3	14.6	5.90	09/08/08	17:00	624.1	70.6	11.3
Oct-08	112,133,320	278.9	37.5	13.46	10/01/08	15:00	155.2	14.8	9.52	10/12/08	16:00	647.9	65.2	10.1
Nov-08	99,865,665	243.2	35.8	14.71	11/13/08	15:00	165.8	36.1	21.78	11/20/08	08:00	665.9	64.1	9.6
Dec-08	96,511,881	237.0	39.4	16.61	12/08/08	10:00	180.5	36.1	19.98	12/03/08	08:00	654.8	67.2	10.3
Jan-09	93,688,296	299.8	36.1	12.04	01/22/09	10:00	242.3	29.7	12.26	01/22/09	08:00	737.9	80.8	11.0
Feb-09	97,857,238	352.8	42.6	12.08	02/05/09	11:00	261.9	38.5	14.70	02/06/09	08:00	738.3	59.7	8.1
Mar-09	93,654,203	272.6	37.8	13.87	03/16/09	15:00	150.5	20.6	13.66	03/03/09	08:00	683.0	70.2	10.3
TWELVE COINCIDENT PEAK STATISTICS:														
Twelve Months Ending March 2009							215.0	32.8	15.24%					

TABLE 6

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2009**

GENERAL SERVICE DEMAND (GSD) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					90%					
		Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)			
Apr-08	1,146,002,374	2,427.3	147.3	6.07	04/03/08	15:00	2,287.5	115.7	5.06	04/04/08	17:00	3,039.2	135.2	4.5			
May-08	1,210,236,678	2,583.3	151.4	5.86	05/21/08	14:00	2,226.1	125.1	5.62	05/31/08	17:00	3,285.4	132.1	4.0			
Jun-08	1,380,897,455	2,681.3	105.6	3.94	06/02/08	15:00	2,544.6	115.8	4.55	06/06/08	17:00	3,339.7	162.0	4.9			
Jul-08	1,338,494,600	2,746.6	106.6	3.88	07/21/08	15:00	2,752.7	105.4	3.83	07/21/08	16:00	3,352.6	135.4	4.0			
Aug-08	1,414,793,897	2,708.2	119.4	4.41	08/27/08	15:00	2,620.4	105.9	4.04	08/07/08	17:00	3,339.2	131.6	3.9			
Sep-08	1,526,036,671	2,650.6	105.8	3.99	09/08/08	15:00	2,551.6	96.7	3.79	09/08/08	17:00	3,271.0	132.8	4.1			
Oct-08	1,275,210,608	2,560.3	103.7	4.05	10/09/08	14:00	1,980.5	119.4	6.03	10/12/08	16:00	3,212.6	156.1	4.9			
Nov-08	1,253,706,388	2,532.2	104.8	4.14	11/13/08	14:00	1,664.6	90.9	5.46	11/20/08	08:00	3,040.6	129.5	4.3			
Dec-08	1,060,564,826	2,242.0	91.9	4.10	12/10/08	14:00	1,647.6	104.6	6.35	12/03/08	08:00	2,902.6	139.3	4.8			
Jan-09	1,087,680,164	2,107.8	109.6	5.20	01/28/09	14:00	1,908.2	112.0	5.87	01/22/09	08:00	2,967.6	146.6	4.9			
Feb-09	1,025,700,230	2,139.2	99.5	4.65	02/12/09	15:00	1,896.9	109.6	5.78	02/06/09	08:00	2,976.8	147.6	5.0			
Mar-09	1,046,602,117	2,265.3	130.3	5.75	03/16/09	15:00	1,684.7	100.7	5.98	03/03/09	08:00	2,990.7	148.6	5.0			
		TWELVE COINCIDENT PEAK STATISTICS:															
		Twelve Months Ending March 2009					2,147.1					90.5			4.22%		

TABLE 7

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2009**

INTERRUPTIBLE (IS) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					90%		
		Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	90% Confidence Interval (MW)	Relative Accuracy (%)
Apr-08	194,836,630	327.9	0.0	0.00	04/01/08	15:00	288.8	0.0	0.00	04/04/08	17:00	434.4	N/A	N/A
May-08	230,994,046	331.5	0.0	0.00	05/07/08	10:00	261.1	0.0	0.00	05/31/08	17:00	511.8	N/A	N/A
Jun-08	196,793,665	324.3	0.0	0.00	06/17/08	15:00	309.3	0.0	0.00	06/06/08	17:00	467.3	N/A	N/A
Jul-08	189,713,011	315.8	0.0	0.00	07/07/08	16:00	298.1	0.0	0.00	07/21/08	16:00	429.5	N/A	N/A
Aug-08	193,723,730	328.7	0.0	0.00	08/18/08	09:00	307.2	0.0	0.00	08/07/08	17:00	435.4	N/A	N/A
Sep-08	179,554,708	322.2	0.0	0.00	09/18/08	10:00	313.3	0.0	0.00	09/08/08	17:00	406.5	N/A	N/A
Oct-08	215,218,380	311.5	0.0	0.00	10/07/08	16:00	243.7	0.0	0.00	10/12/08	16:00	489.1	N/A	N/A
Nov-08	243,587,202	284.1	0.0	0.00	11/14/08	19:00	202.4	0.0	0.00	11/20/08	08:00	650.5	N/A	N/A
Dec-08	115,179,884	297.3	0.0	0.00	12/08/08	21:00	228.6	0.0	0.00	12/03/08	08:00	288.2	N/A	N/A
Jan-09	166,412,045	291.3	0.0	0.00	01/06/09	15:00	217.8	0.0	0.00	01/22/09	08:00	400.4	N/A	N/A
Feb-09	150,074,223	285.4	0.0	0.00	02/10/09	13:00	238.4	0.0	0.00	02/06/09	08:00	401.4	N/A	N/A
Mar-09	154,491,193	270.8	0.0	0.00	03/05/09	22:00	199.7	0.0	0.00	03/03/09	08:00	387.6	N/A	N/A
TWELVE COINCIDENT PEAK STATISTICS:														
Twelve Months Ending March 2009							259.0	N/A	N/A					

RESIDENTIAL RATE CLASS HOURLY LOAD DATA

The following pages contain the hourly Residential Rate Class load data required under Sections (7) and (8) of Rule 25-6.0437. This hourly data covers the 8,760 hours from April 1st, 2008 through March 31st, 2009 and is on Standard Time. The format of the data is the standard "EEI" format used in the electric utility industry.

040108	793	815	771	750	834	797	1001	1141	1233	1406	1565	1528
040108	1695	1841	1994	1976	1917	1926	2021	1945	1774	1496	1138	883
040208	784	737	730	704	766	929	1177	1224	1243	1263	1347	1510
040208	1793	2045	2063	2197	2295	2386	2231	2132	1845	1606	1254	1102
040308	1052	948	931	880	919	1118	1265	1400	1423	1576	1710	1907
040308	2206	2475	2545	2717	2743	2505	2333	2378	2154	1923	1502	1248
040408	1135	1132	1010	1015	1052	1322	1421	1467	1604	1751	1883	2051
040408	2233	2398	2506	2634	2738	2654	2478	2310	2238	1965	1519	1433
040508	1338	1125	1011	955	972	1132	1456	1568	1698	2053	2489	2752
040508	2791	2797	2515	2493	2566	2431	2203	2325	2085	1873	1391	1213
040608	969	910	964	998	1042	991	971	1364	1540	1723	2001	2166
040608	2314	2265	2136	2165	2119	2029	1929	1867	1724	1508	1230	981
040708	880	775	753	716	864	1248	1452	1539	1485	1537	1518	1614
040708	1789	1886	1910	2184	2312	2343	2311	2305	2128	1780	1324	1224
040808	1133	1020	884	896	939	1212	1499	1568	1394	1355	1516	1735
040808	1739	1828	1997	2221	2452	2341	2232	2280	2207	1867	1501	1284
040908	1225	1126	1130	1109	1266	1470	1541	1467	1513	1629	1582	1852
040908	1955	2087	2277	2400	2650	2692	2513	2574	2604	2239	1678	1201
041008	996	918	840	857	1087	1340	1615	1380	1417	1603	1813	2110
041008	2217	2276	2569	2830	2920	2767	2683	2821	2657	2352	1753	1291
041108	1134	967	920	966	1108	1392	1627	1608	1514	1711	1787	2099
041108	2284	2443	2616	2905	3057	2868	2691	2475	2553	2225	1814	1492
041208	1163	1019	942	914	980	1093	1166	1402	1786	1982	2326	2634
041208	2796	2962	3086	3359	3337	3015	2712	2729	2595	2211	1789	1465
041308	1204	1066	1027	990	1023	1106	1286	1595	1855	1776	1887	1932
041308	1702	1698	1707	1865	1929	1948	1945	1985	1746	1498	1147	979
041408	1002	928	880	845	948	1347	1753	1767	1460	1514	1257	1288
041408	1294	1300	1297	1591	1753	1756	1848	1859	1723	1503	1213	1150
041508	1085	1087	1047	1159	1437	1839	2159	1905	1732	1794	1615	1612
041508	1515	1412	1401	1595	1742	1725	1904	1987	2040	1782	1506	1524
041608	1463	1315	1383	1576	1801	2125	2405	2177	1797	1658	1483	1455
041608	1473	1374	1279	1418	1529	1649	1699	1795	1799	1532	1282	1114
041708	1060	1090	1102	1107	1428	1873	2164	1809	1626	1665	1620	1531
041708	1300	1236	1334	1644	1862	1800	1745	1717	1712	1441	1153	1011
041808	902	883	922	939	1083	1420	1695	1507	1504	1418	1419	1418
041808	1497	1733	1723	2115	2116	2092	1981	2058	2079	1800	1447	1311
041908	1148	1078	1065	1022	896	991	1136	1631	1712	1878	1861	2093
041908	2155	2312	2496	2631	2526	2371	2398	2282	2147	1820	1551	1246
042008	1132	1051	1037	995	1044	1191	1277	1423	1460	1877	2116	2330
042008	2429	2623	2826	2791	2848	2677	2542	2507	2358	2084	1591	1269
042108	1070	1036	988	1004	1167	1327	1483	1494	1414	1496	1622	1702
042108	1893	2116	2146	2338	2501	2511	2581	2596	2514	2126	1499	1174
042208	1045	1018	1020	1025	1150	1504	1677	1462	1452	1503	1519	1825
042208	2022	2203	2415	2574	2731	2690	2487	2533	2435	1978	1467	1138
042308	945	936	1016	1066	1165	1518	1731	1440	1358	1425	1447	1759
042308	1890	2006	2074	2169	2453	2486	2307	2282	2350	2101	1641	1298
042408	1089	983	887	1019	1242	1393	1590	1428	1581	1626	1722	1939

042408	2082	2282	2524	2764	3101	3033	2712	2689	2630	2202	1704	1342
042508	1115	1011	953	1090	1245	1502	1631	1482	1418	1713	1894	2086
042508	2357	2480	2601	2890	2997	2897	2568	2510	2473	2123	1649	1433
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042608	2582	2783	3107	3164	3198	3072	2535	2602	2388	2101	1584	1311
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042808	1143	1065	1140	1154	1232	1466	1671	1576	1795	1962	2202	2412
042808	2616	2735	2922	3005	2973	2822	2616	2583	2438	2240	1688	1281
042908	1150	1100	1031	989	1261	1578	1829	1652	1627	1696	1677	1763
042908	1889	2135	2173	2473	2737	2571	2558	2515	2447	1879	1520	1243
043008	1103	861	814	933	1187	1364	1703	1623	1540	1353	1471	1585
043008	1763	1854	2105	2323	2620	2582	2285	2285	2242	1955	1518	1216
050108	1098	1016	871	831	975	1434	1690	1527	1548	1518	1796	1942
050108	2130	2292	2527	2850	2926	2873	2828	2578	2427	2209	1695	1336
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050408	1288	1213	1090	1129	1165	1284	1369	1786	2097	2515	2789	2988
050408	3308	3511	3464	3838	3772	3637	3434	3111	2691	2343	2036	1682
050508	1355	1136	1055	1086	1255	1650	1735	1710	1705	2006	2366	2666
050508	2904	3170	3305	3477	3712	3716	3255	2983	2712	2488	1923	1621
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050608	2777	3081	3341	3614	3655	3523	3349	2892	2923	2511	1871	1641
050708	1291	1085	1033	1092	1258	1509	1725	1588	1690	2098	2320	2640
050708	2842	3182	3282	3491	3844	3577	3312	3123	2885	2647	2117	1849
050808	1537	1304	1161	1192	1260	1625	1784	1740	1736	2160	2398	2727
050808	3029	3236	3464	3779	3756	3663	3415	3442	3122	2657	2332	2000
050908	1678	1474	1374	1370	1460	1809	2167	2066	2134	2448	2821	3001
050908	3309	3486	3660	3843	3922	3811	3432	3113	3110	2767	2440	2014
051008	1803	1757	1696	1716	1650	1602	1793	2134	2692	2805	3293	3626
051008	3796	3986	4113	4077	4182	3943	3701	3339	3142	2869	2499	2115
051108	1925	1788	1565	1520	1485	1568	1724	2207	2580	2964	3192	3586
051108	3688	3903	3867	4007	3987	3827	3687	3581	3467	2957	2502	2217
051208	1979	1875	1742	1692	1780	1907	2039	1789	1901	2102	2185	2412
051208	2531	2928	3125	3396	3347	3122	3095	2907	2599	2205	1566	1228
051308	1114	1067	1071	1088	1170	1435	1534	1432	1538	1593	1795	2123
051308	2523	2879	3083	3354	3398	3501	3097	2869	2777	2396	1971	1491
051408	1254	1105	1105	1179	1245	1589	1561	1475	1563	1810	1983	2166
051408	2502	2785	3052	3319	3496	3350	3027	2846	2778	2415	1952	1628
051508	1206	1091	1078	1182	1391	1608	1680	1550	1640	1774	2279	2611
051508	2816	3062	3240	3563	3497	3566	3375	3256	2909	2629	2196	1740
051608	1425	1251	1177	1191	1337	1621	1860	1925	2003	2312	2540	2879
051608	3207	3461	3572	3886	3952	3616	3346	3155	2977	2725	2323	1987
051708	1796	1690	1633	1576	1441	1605	1757	2225	2539	2735	2937	3553
051708	3656	3773	3719	3786	3760	3651	3411	3251	3128	2849	2420	2011
051808	1786	1564	1460	1453	1500	1566	1603	1939	2296	2473	2916	3308
051808	3476	3741	3857	3966	4029	3967	3575	3284	3108	2780	2205	1767
051908	1575	1463	1412	1393	1522	1928	2125	1924	1985	2229	2370	2575
051908	2774	3008	3172	3611	3668	3734	3351	3111	3195	2714	2268	1824
052008	1530	1426	1340	1372	1501	1746	2052	2052	2108	2208	2248	2429
052008	2725	2993	3258	3438	3558	3509	3337	3163	2888	2579	2260	1827
052108	1523	1393	1341	1325	1338	1586	1783	1788	2160	2453	2576	2874
052108	3149	3428	3567	3871	4051	3951	3587	3392	3116	2709	2157	1880
052208	1807	1779	1586	1606	1657	1863	2022	2026	1920	2139	2135	2142
052208	2112	2317	2355	2537	2785	2768	2874	2810	2536	2275	1899	1535
052308	1373	1419	1426	1255	1395	1639	1732	1822	2026	2114	2500	2930
052308	3143	3364	3567	3647	3764	3577	3491	3350	2947	2534	2389	2192
052408	1939	1566	1545	1434	1385	1458	1734	2132	2292	2735	3232	3633
052408	3823	3867	3963	4013	3953	3741	3527	3183	2976	2655	2409	1948

052508	1685	1618	1636	1460	1378	1385	1490	1888	2252	2763	3191	3393
052508	3614	3687	3912	3933	3800	3704	3330	3058	3003	2718	2224	1801
052608	1518	1367	1259	1408	1353	1349	1412	1668	2171	2633	2740	2899
052608	3154	3360	3405	3567	3464	3246	3217	3075	2925	2457	2038	1563
052708	1329	1225	1301	1293	1369	1661	1804	1637	1812	2072	2119	2452
052708	2586	2899	3139	3286	3616	3666	3372	3091	2838	2553	2115	1770
052808	1573	1445	1247	1183	1253	1503	1658	1726	1882	1953	2253	2698
052808	3025	3167	3429	3704	3936	3931	3550	3202	3190	2764	2169	1786
052908	1671	1528	1353	1234	1294	1520	1755	1675	2046	2195	2571	2905
052908	3164	3464	3582	3930	4125	4040	3638	3447	3139	2787	2329	1910
053008	1730	1607	1534	1363	1353	1575	1807	1953	2179	2398	2639	3033
053008	3408	3482	3824	4090	4097	3971	3721	3410	3154	2947	2603	1989
053108	1703	1556	1437	1421	1469	1488	1548	1903	2387	2963	3448	3962
053108	4229	4275	4377	4434	4394	4260	3828	3581	3293	2902	2628	2289
060108	2016	1870	1698	1741	1638	1581	1703	2158	2787	3125	3553	3912
060108	4197	4311	4295	4427	4395	4227	4010	3640	3436	3009	2543	2190
060208	1798	1671	1525	1707	1760	1727	1891	2046	2394	2782	3106	3548
060208	3889	4032	4123	4317	4204	4089	3755	3502	3208	2835	2237	1905
060308	1672	1501	1520	1476	1420	1573	1795	1929	2227	2562	2816	3210
060308	3708	3945	4189	4393	4414	4128	3857	3585	3334	2893	2445	2054
060408	1833	1726	1758	1677	1649	1719	1879	2065	2394	2775	3120	3478
060408	3817	4034	4179	4421	4486	4370	4058	3711	3537	3313	2607	2258
060508	2000	1844	1726	1728	1848	1796	1987	2109	2501	2779	3182	3493
060508	3883	4194	4374	4468	4409	4309	3977	3813	3569	3231	2744	2364
060608	2051	1860	1737	1801	1870	1852	1971	2223	2628	2878	3292	3628
060608	4058	4212	4347	4589	4585	4310	3893	3554	3362	3019	2586	2297
060708	2080	1844	1736	1707	1748	1672	1757	2185	2726	3070	3562	4023
060708	4293	4445	4516	4651	4691	4371	3983	3635	3406	3194	2847	2506
060808	2183	1998	1924	1828	1564	1608	1700	2112	2653	3106	3528	3970
060808	4400	4430	4368	4540	4286	4202	3973	3684	3324	2855	2416	2203
060908	1966	1730	1550	1564	1510	1576	1839	2014	2291	2627	3047	3506
060908	3756	3903	3861	3679	3794	3679	3379	3233	3096	2828	2520	2096
061008	1728	1543	1438	1426	1514	1781	1861	1914	2160	2454	2911	3244
061008	3501	3679	3649	3752	3664	3743	3538	3191	2990	2574	2127	1736
061108	1563	1572	1478	1434	1389	1532	1678	1619	1978	2286	2724	3030
061108	3497	3699	3850	4082	4142	4060	3789	3449	3134	2644	2392	2091
061208	1952	1688	1493	1511	1570	1569	2006	2204	2376	2878	3149	3560
061208	3752	3706	3624	3400	3383	3308	3043	2855	2834	2681	2152	1799
061308	1519	1420	1324	1412	1481	1638	1881	1908	2118	2466	2989	3331
061308	3554	3485	3587	3637	3642	3504	3207	3164	2873	2668	2265	2047
061408	1729	1489	1381	1431	1348	1570	1797	2054	2467	3006	3505	3765
061408	4036	4279	4355	4385	4225	4009	3692	3324	3216	2840	2543	2180
061508	1973	1873	1687	1489	1478	1537	1657	2037	2538	3101	3467	3772
061508	3781	3785	3955	3871	3519	3305	3105	3011	2847	2700	2349	1770
061608	1618	1453	1396	1401	1608	1780	1915	1936	2249	2589	2960	3332
061608	3478	3435	3394	3375	3426	3424	3122	3219	2792	2626	2282	1740
061708	1584	1447	1335	1366	1391	1681	1940	2025	2327	2662	2938	3247
061708	3586	3770	3957	4172	4373	4348	4241	3812	3494	3217	2775	2205
061808	2048	1894	1808	1682	1761	1837	1952	2094	2576	2917	3311	3460
061808	3774	3893	4032	3942	4094	4038	3560	3322	3170	2911	2391	2155
061908	1976	1678	1615	1512	1530	1694	1788	1885	1998	2325	2730	3128
061908	3231	3601	3740	4106	4165	3922	3761	3434	3178	2756	2280	1830
062008	1649	1532	1537	1556	1546	1562	1739	1944	2358	2648	3015	3498
062008	3848	4029	4194	4263	4179	4058	3773	3402	3096	2771	2280	2055
062108	1895	1661	1553	1553	1591	1617	1778	2014	2394	2640	2914	2974
062108	2755	2706	2662	2572	2610	2798	2525	2465	2397	2151	2134	1561
062208	1381	1259	1316	1304	1273	1193	1362	1815	2126	2839	3055	3187
062208	3291	3262	3090	3109	3209	3077	2976	2796	2466	2182	1922	1630
062308	1509	1215	1176	1165	1266	1337	1525	1592	1915	2304	2814	3131
062308	3133	3242	3649	3947	3977	4048	3788	3620	3274	2970	2467	2007
062408	1767	1607	1616	1603	1534	1635	1828	1895	2226	2591	2936	3180

062408	3298	3557	3909	3945	4002	3825	3452	3183	2995	2841	2386	1867
062508	1648	1558	1512	1381	1445	1646	1949	1782	2058	2417	2861	3521
062508	3760	3805	3560	3312	3187	3195	2868	2480	2389	2124	1763	1666
062608	1486	1326	1162	1199	1278	1432	1526	1803	1926	2271	2622	3055
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062708	1264	1224	1146	1149	1217	1446	1570	1598	1914	2167	2636	3013
062708	3354	3504	3676	3877	4141	4064	3572	3263	2922	2572	2387	2022
062808	1774	1544	1455	1419	1369	1421	1662	2046	2363	2814	3309	3588
062808	3997	4229	4298	4298	4082	3886	3558	3152	2844	2555	2146	1819
062908	1784	1595	1466	1309	1264	1335	1509	1865	2278	2862	3360	3837
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063008	1879	1673	1587	1563	1696	1842	1981	1913	2438	2758	3177	3609
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070108	1584	1462	1451	1573	1626	1563	1784	1935	1901	2111	2518	2895
070108	3113	3360	3608	3698	3784	3681	3434	3134	2914	2651	2300	1909
070208	1689	1458	1349	1338	1336	1457	1754	1836	1992	2340	2682	2812
070208	3090	3247	3478	3606	3594	3371	3050	2904	2634	2542	2156	1797
070308	1577	1432	1320	1335	1388	1666	1661	1729	1782	1895	2273	2654
070308	2902	3130	3268	3355	3316	3170	3005	2764	2509	2416	2154	1763
070408	1504	1419	1477	1355	1387	1262	1358	1737	2077	2566	3055	3426
070408	3667	3964	3980	4042	3821	3666	3156	2753	2587	2496	2195	1955
070508	1632	1481	1365	1478	1410	1418	1454	1810	2331	2719	3195	3714
070508	4026	4134	4202	4171	4300	4086	3774	3455	3169	2844	2543	2083
070608	1863	1746	1593	1513	1469	1612	1672	1898	2350	2768	3057	3357
070608	3543	3794	3839	3923	4006	3982	3453	3181	3053	2568	2280	2079
070708	1911	1604	1563	1413	1414	1460	1714	1863	2106	2545	2926	3280
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070808	1592	1584	1444	1380	1379	1433	1593	1761	1969	2511	2941	3218
070808	3446	3213	3077	3052	3098	2789	2672	2619	2420	2174	1962	1709
070908	1486	1342	1211	1213	1276	1277	1741	1945	1993	2225	2682	3073
070908	3411	3672	3824	4057	4248	4208	3943	3697	3461	3016	2576	2241
071008	1878	1762	1625	1744	1726	1732	1803	2023	2244	2622	3070	3493
071008	3790	3859	4173	4413	4494	4501	4215	3808	3562	3252	2740	2328
071108	1992	1808	1703	1752	1746	1685	1961	2169	2495	2871	3310	3644
071108	3780	3768	3674	3571	3557	3571	3278	2940	2763	2416	2252	1972
071208	1778	1558	1556	1586	1462	1504	1625	1920	2175	2610	3009	3099
071208	2894	2744	2844	2935	3010	2979	2760	2823	2763	2460	2203	1843
071308	1661	1583	1417	1406	1340	1484	1500	1707	2164	2407	2827	3118
071308	3403	3675	3976	4048	3845	3652	3454	3165	2881	2608	2310	1909
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071508	2022	1766	1642	1588	1568	1615	1850	1925	2257	2525	2630	2943
071508	3203	3327	3318	3318	3296	3248	2949	2860	2613	2486	2059	1753
071608	1562	1459	1525	1454	1378	1482	1698	1719	1962	2124	2418	2619
071608	2954	2933	2869	2965	2911	2738	2670	2710	2753	2471	2021	1722
071708	1543	1454	1326	1364	1435	1484	1739	1842	2007	2149	2549	3056
071708	3348	3390	3462	3511	3485	3374	3307	3111	2889	2475	2034	1816
071808	1631	1465	1566	1558	1464	1567	1719	1852	2012	2368	2713	3043
071808	3330	3535	3687	3618	3588	3433	3154	3130	2928	2626	2357	1971
071908	1714	1599	1445	1425	1519	1576	1643	1858	2261	2753	3403	3767
071908	4108	4181	4432	4347	4140	3864	3560	3278	3117	2647	2454	2106
072008	1939	1704	1570	1465	1435	1536	1795	2015	2638	2980	3608	3956
072008	4212	4505	4617	4855	4802	4813	4445	4216	3957	3373	2882	2480
072108	2247	2005	1762	1787	1822	1763	1979	2182	2629	3009	3610	3856
072108	4181	4399	4577	4810	4756	4500	4143	3802	3599	3116	2803	2423
072208	2069	1830	1735	1705	1747	1699	1899	1974	2368	2915	3321	3546
072208	3636	3669	3635	3680	3812	3672	3480	3172	3135	2844	2411	2062
072308	1855	1764	1743	1560	1579	1606	1786	1809	1956	2203	2548	3060
072308	3351	3531	3703	3787	3521	3378	3185	2990	2759	2440	2167	1983
072408	1643	1469	1367	1358	1374	1456	1948	1928	1913	2078	2303	2674
072408	2900	3037	3329	3448	3666	3648	3408	3219	3099	2615	2241	1959

072508	1675	1514	1485	1434	1552	1592	1694	1839	2128	2593	3096	3330
072508	3713	3861	4133	4196	4224	3806	3465	3210	2901	2550	2266	2038
072608	1782	1696	1569	1458	1432	1415	1593	1946	2463	2941	3396	3715
072608	3922	4079	4014	3875	3671	3588	3346	3272	2814	2643	2311	1987
072708	1760	1592	1533	1505	1592	1590	1568	1900	2472	2820	3380	3664
072708	3989	4143	4123	4125	4147	4102	3846	3391	3152	2828	2442	2124
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072808	3516	3679	3744	3808	3904	3735	3690	3550	3283	3025	2498	2322
072908	2151	1796	1655	1651	1650	1737	1822	2050	2277	2521	2841	3086
072908	3247	3040	3079	3284	3357	3297	3185	3079	3022	2666	2331	2009
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082408	3855	4103	4284	4204	3913	3775	3594	3547	3330	2805	2390	1964
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021909	1812	1673	1530	1550	1624	1748	1940	2139	2154	1909	1727	1356
022009	1161	1113	1145	1215	1400	1648	2033	2627	2717	2596	2567	2358
022009	2076	1671	1744	1789	1847	1977	2510	2600	2743	2790	2946	2839
022109	2743	2843	2869	2977	3304	3383	3735	4272	4351	3922	3120	2573
022109	2185	2113	1957	1906	2140	1969	2018	2090	2303	2305	2226	1848
022209	1625	1573	1706	1795	1772	1875	2095	2278	2523	2645	2567	2097
022209	1955	1974	1788	1882	1923	2402	2344	2440	2378	2029	1794	1460
022309	1362	1226	1268	1281	1503	1773	2294	2844	2895	2493	2272	2059

022309	1723	1600	1584	1647	1655	1774	2037	2464	2597	2566	2233	1862
022409	1733	1754	1898	1974	2239	2673	3210	3450	3028	2728	2274	1889
022409	1853	1604	1535	1606	1815	1983	2291	2301	2344	2218	1944	1638
022509	1441	1416	1324	1395	1563	1997	2298	2636	2422	1982	1853	1775
022509	1701	1518	1425	1517	1600	1687	1994	2127	2074	1956	1716	1379
022609	1305	1249	1346	1379	1563	1909	2281	2499	2365	1924	1600	1457
022609	1360	1342	1443	1559	1552	1771	2068	2215	2218	1931	1579	1279
022709	1177	1042	1122	1097	1275	1587	1953	2174	1986	1751	1786	1762
022709	1536	1526	1624	1736	1728	1760	1874	2035	2033	1779	1573	1335
022809	1147	1172	1044	1021	1111	1120	1249	1674	2017	1840	1978	1911
022809	1871	1819	2024	2032	1959	2007	2136	2154	2064	1836	1730	1291
030109	1096	930	922	868	898	984	1135	1436	1762	2069	2093	2220
030109	2286	2219	2142	1995	1974	2199	2502	2879	2986	2886	2758	2394
030209	2225	2140	2422	2529	2771	2820	3384	3499	3380	3100	2845	2531
030209	2305	2087	1839	1832	1964	2226	2568	3114	3246	3059	2786	2708
030309	2644	2770	2879	3197	3276	3718	4317	4247	3831	3199	2764	2440
030309	2250	1870	1888	1876	2170	2184	2713	3172	3179	3203	3084	2712
030409	2694	2757	3031	3106	3356	3588	4051	4293	3859	2936	2603	2221
030409	1986	1706	1644	1613	1783	1866	2199	2388	2386	2498	2360	2078
030509	1902	1919	1953	2051	2327	2506	3024	3103	2722	2154	1928	1743
030509	1589	1466	1420	1512	1714	1736	1846	1856	2002	1921	1753	1446
030609	1339	1275	1234	1367	1619	1829	2376	2562	2296	2060	1858	1587
030609	1569	1478	1484	1496	1724	1709	1780	1998	2010	1787	1511	1350
030709	1218	1160	1149	1162	1288	1442	1583	2028	2133	1983	2223	2110
030709	1794	1806	1896	2016	2094	1937	2079	2107	2025	1793	1707	1400
030809	1132	938	934	974	1201	1306	1531	1846	1850	2022	2116	2162
030809	2087	1957	2118	2251	2344	2370	2596	2466	2324	2102	1534	1225
030909	940	799	900	981	1249	1537	1774	1827	1746	1663	1755	1652
030909	1617	1614	1790	2167	2373	2318	2237	2408	2158	1917	1580	1261
031009	1075	1003	935	925	1153	1452	1767	1763	1693	1616	1718	1660
031009	1742	1899	2103	2276	2417	2335	2305	2414	2304	2003	1490	1227
031109	1069	993	996	1063	1205	1556	1644	1672	1534	1505	1481	1648
031109	1795	1993	2107	2292	2432	2374	2253	2366	2164	1788	1574	1179
031209	1131	981	941	1028	1119	1488	1743	1866	1702	1759	1714	1666
031209	1758	1842	2064	2286	2353	2220	2096	2241	2083	1769	1490	1195
031309	1023	977	976	1015	1152	1357	1542	1572	1657	1703	1743	1779
031309	1845	2024	2171	2321	2476	2303	2122	2110	2043	1813	1538	1265
031409	1042	875	861	839	970	1138	1378	1628	1753	1939	2045	2039
031409	2136	2260	2496	2568	2602	2374	2331	2327	2165	2084	1731	1287
031509	1107	969	973	1101	1055	1116	1304	1415	1685	2055	2282	2445
031509	2483	2613	2862	2943	2969	3033	2769	2666	2526	2175	1744	1383
031609	1141	972	917	954	1089	1413	1586	1645	1600	1644	1950	2084
031609	2201	2350	2584	2767	2946	2886	2754	2810	2596	2208	1645	1326
031709	1145	991	875	1023	1170	1443	1633	1572	1633	1674	1874	1992
031709	1960	2042	2125	2223	2159	2203	2260	2299	2192	1864	1582	1228
031809	1073	1036	949	888	1083	1281	1548	1780	1798	1709	1711	1777
031809	1867	1873	2010	2198	2236	2392	2292	2203	2111	1841	1630	1315
031909	1090	962	838	844	957	1264	1522	1811	1669	1603	1539	1722
031909	1808	1914	2099	2202	2419	2546	2291	2386	2046	1747	1404	1105
032009	1038	1004	937	1013	1077	1300	1676	1715	1574	1572	1610	1694
032009	1822	1882	2093	2242	2344	2277	2039	1864	1856	1833	1564	1211
032109	1118	1051	968	1021	1019	960	1208	1537	1807	1817	2096	2014
032109	1932	2069	2070	2129	2106	2106	1764	1940	1800	1555	1266	1057
032209	999	897	962	1025	1064	1060	1255	1566	2002	1942	1937	2048
032209	1973	1924	1923	2096	2066	2134	2023	2056	1867	1839	1541	1227
032309	1009	978	922	973	1149	1437	1646	1659	1664	1610	1659	1675
032309	1765	1825	1636	1668	1950	2066	1955	1986	1712	1621	1266	995
032409	824	838	909	1001	1161	1438	1853	1835	1789	1793	1654	1577
032409	1600	1619	1707	1794	1957	1979	1994	2227	2094	1844	1444	1052
032509	953	839	886	1040	1201	1538	1822	1858	1831	1763	1658	1630
032509	1667	1702	1902	1969	2096	2094	2162	2322	2085	1849	1399	1082

032609	983	915	969	1046	1156	1451	1586	1694	1649	1594	1676	1733
032609	1846	1902	2026	2150	2271	2284	2200	2166	2009	1957	1650	1303
032709	1137	1049	902	933	1080	1185	1549	1697	1641	1591	1708	1717
032709	1909	2012	2177	2313	2397	2533	2250	2293	2091	1887	1661	1424
032809	1120	1112	1137	1125	1057	1113	1396	1561	1798	2109	2336	2565
032809	2710	2876	2923	2918	3056	2888	2639	2599	2305	2243	2156	1731
032909	1421	1304	1231	1260	1311	1292	1288	1579	1973	2047	2162	2036
032909	2103	2216	2226	2514	2335	2307	2039	2106	2062	1681	1403	1152
033009	980	931	923	939	1170	1382	1663	1693	1460	1572	1699	1686
033009	1666	1736	1939	2186	2341	2417	2221	2202	2097	1821	1456	1264
033109	1035	945	909	1000	1046	1143	1424	1587	1624	1696	1877	1977
033109	1947	2351	2363	2612	2615	2503	2293	2448	2171	2041	1794	1557

APPENDIX A

Development of Load Factors

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
Residential Service							
	Apr-08	2,634.0	287.4	3,520.7	342.2	9,318.3	710.1
	May-08	4,434.7	323.3	4,434.7	323.3	9,605.3	560.9
	Jun-08	4,588.8	190.9	4,691.6	227.1	9,525.1	408.6
	Jul-08	4,577.7	234.4	4,855.5	244.7	9,485.2	406.0
	Aug-08	4,707.7	182.2	4,827.8	200.8	9,382.2	354.6
	Sep-08	4,375.7	186.4	4,784.6	226.3	9,244.1	331.9
	Oct-08	3,971.1	235.5	4,103.8	275.0	9,478.9	530.8
	Nov-08	3,991.6	340.9	3,991.6	340.9	10,373.5	752.1
	Dec-08	4,454.5	410.3	4,454.5	410.3	10,670.3	1,119.3
	Jan-09	6,189.4	623.9	6,189.4	623.9	11,822.9	937.6
	Feb-09	6,090.4	418.4	6,117.8	433.1	11,365.8	919.5
	Mar-09	4,247.6	381.0	4,317.0	373.4	9,949.6	847.7

Annual Peak: 6,189 MW

Annual KWH: 19,583,151.112

12 Coincident Peak Average: 4,522 MW

12 CP Load Factor: 0.494

90% Confidence Interval: 242 MW

Class (NCP) Load Factor: 0.361

Sum of individual customer maximum demar 13,775 MW

Customer (Billing or Maximum Demand) Load Fact 0.162

Note: During the study period, load management customers sampled in the Company's load research study were excluded from LM control strategies; therefore, no adjustments are required to establish loads excluding the effects of load management.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
General Service Non-Demand							
	Apr-08	181.5	10.9	282.7	61.9	650.4	59.6
	May-08	207.3	7.3	295.7	43.5	660.4	65.4
	Jun-08	244.3	4.2	310.6	34.8	635.5	55.6
	Jul-08	287.8	5.1	287.8	21.0	628.1	67.8
	Aug-08	254.9	3.9	287.7	39.9	602.0	52.4
	Sep-08	248.3	4.3	289.7	34.8	624.1	70.6
	Oct-08	155.2	5.9	278.9	37.5	647.9	65.2
	Nov-08	165.8	8.5	243.2	35.8	665.9	64.1
	Dec-08	180.5	9.2	237.0	39.4	654.8	67.2
	Jan-09	242.3	10.1	299.8	36.1	737.9	80.8
	Feb-09	261.9	6.9	352.8	42.6	738.3	59.7
	Mar-09	150.5	9.0	272.6	37.8	683.0	70.2

Annual Peak: 353 MW Annual KWH: 1,308,631,369

12 Coincident Peak Average: 215 MW 12 CP Load Factor: 0.695

90% Confidence Interval: 33 MW Class (NCP) Load Factor: 0.423

Sum of individual customer maximum demar 963 MW Customer (Billing or Maximum Demand) Load Fact 0.155

Note: During the study period, load management customers sampled in the Company's load research study were excluded from LM control strategies; therefore, no adjustments are required to establish loads excluding the effects of load management.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Estimated Coincident Peak	90% Confidence Interval	Estimated Noncoincident Peak	90% Confidence Interval	Estimated Customer Maximum Demand	90% Confidence Interval
General Service Demand							
	Apr-08	2,287.5	115.7	2,427.3	147.3	3,039.2	135.2
	May-08	2,226.1	125.1	2,583.3	151.4	3,285.4	132.1
	Jun-08	2,544.6	115.8	2,681.3	105.6	3,339.7	162.0
	Jul-08	2,752.7	105.4	2,746.6	106.6	3,352.6	135.4
	Aug-08	2,620.4	105.9	2,708.2	119.4	3,339.2	131.6
	Sep-08	2,551.6	96.7	2,650.6	105.8	3,271.0	132.8
	Oct-08	1,980.5	119.4	2,560.3	103.7	3,212.6	156.1
	Nov-08	1,664.6	90.9	2,532.2	104.8	3,040.6	129.5
	Dec-08	1,647.6	104.6	2,242.0	91.9	2,902.6	139.3
	Jan-09	1,908.2	112.0	2,107.8	109.6	2,967.6	146.6
	Feb-09	1,896.9	109.6	2,139.2	99.5	2,976.8	147.6
	Mar-09	1,684.7	100.7	2,265.3	130.3	2,990.7	148.6

Annual Peak: 2,753 MW Annual KWH: 14,765,926,008

12 Coincident Peak Average: 2,147 MW 12 CP Load Factor: 0.785

90% Confidence Interval: 91 MW Class (NCP) Load Factor: 0.612

Sum of individual customer maximum demar 3,595 MW Customer (Billing or Maximum Demand) Load Fact 0.469

Note: During the study period, load management customers sampled in the Company's load research study were excluded from LM control strategies; therefore, no adjustments are required to establish loads excluding the effects of load management.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Curtailable Service							
	Apr-08	22.4	N/A	28.7	N/A	30.8	N/A
	May-08	24.1	N/A	33.6	N/A	31.5	N/A
	Jun-08	25.9	N/A	30.8	N/A	32.4	N/A
	Jul-08	25.3	N/A	29.3	N/A	35.6	N/A
	Aug-08	22.9	N/A	29.7	N/A	35.2	N/A
	Sep-08	22.4	N/A	26.4	N/A	30.6	N/A
	Oct-08	22.8	N/A	27.0	N/A	28.7	N/A
	Nov-08	18.7	N/A	33.0	N/A	35.4	N/A
	Dec-08	18.8	N/A	26.4	N/A	14.2	N/A
	Jan-09	12.6	N/A	26.6	N/A	30.6	N/A
	Feb-09	21.9	N/A	26.0	N/A	29.3	N/A
	Mar-09	17.4	N/A	25.3	N/A	28.8	N/A

Annual Peak: 33.6 MW

Annual KWH: 174,189,714

12 Coincident Peak Average: 21.3 MW

12 CP Load Factor: 0.935

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.592

Sum of individual customer maximum demand 40.4 MW

Customer (Billing or Maximum Demand) Load Factor 0.492

Note: During the study period, there were no curtailments of load, therefore no supplemental data required to adjust measured load to that without load control.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Interruption Service							
	Apr-08	288.8	N/A	327.9	N/A	434.4	N/A
	May-08	261.1	N/A	331.5	N/A	511.8	N/A
	Jun-08	309.3	N/A	324.3	N/A	467.3	N/A
	Jul-08	298.1	N/A	315.8	N/A	429.5	N/A
	Aug-08	307.2	N/A	328.7	N/A	435.4	N/A
	Sep-08	313.3	N/A	322.2	N/A	406.5	N/A
	Oct-08	243.7	N/A	311.5	N/A	489.1	N/A
	Nov-08	202.4	N/A	284.1	N/A	650.5	N/A
	Dec-08	228.6	N/A	297.3	N/A	288.2	N/A
	Jan-09	217.8	N/A	291.3	N/A	400.4	N/A
	Feb-09	238.4	N/A	285.4	N/A	401.4	N/A
	Mar-09	199.7	N/A	270.8	N/A	387.6	N/A

Annual Peak: 332 MW

Annual KWH: 2,230,578,717

12 Coincident Peak Average: 259 MW

12 CP Load Factor: 0.983

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.768

Sum of individual customer maximum demand 668 MW

Customer (Billing or Maximum Demand) Load Factor 0.381

Note: During the study period, there were no interruptions of load, therefore no supplemental data required to adjust measured load to that without load control.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Firm Standby Service							
SS-1	Apr-08	0.3	N/A	10.7	N/A	17.0	N/A
	May-08	0.1	N/A	11.1	N/A	17.7	N/A
	Jun-08	0.2	N/A	10.9	N/A	19.0	N/A
	Jul-08	0.1	N/A	11.3	N/A	18.3	N/A
	Aug-08	0.2	N/A	11.4	N/A	18.8	N/A
	Sep-08	0.3	N/A	11.1	N/A	21.0	N/A
	Oct-08	0.1	N/A	10.5	N/A	17.1	N/A
	Nov-08	0.1	N/A	11.1	N/A	15.0	N/A
	Dec-08	0.7	N/A	9.1	N/A	23.4	N/A
	Jan-09	8.4	N/A	7.7	N/A	13.0	N/A
	Feb-09	7.2	N/A	7.9	N/A	13.0	N/A
	Mar-09	0.4	N/A	6.4	N/A	11.5	N/A

Annual Peak: 11.4 MW

Annual KWH: 20,694,860

12 Coincident Peak Average: 1.53 MW

12 CP Load Factor: 1.546

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.207

Sum of individual customer maximum demar 28.9 MW

Customer (Billing or Maximum Demand) Load Fact 0.082

Supporting Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Interruptible Standby Service							
SS-2	Apr-08	28.3	N/A	37.3	N/A	49.2	N/A
	May-08	21.6	N/A	37.3	N/A	50.0	N/A
	Jun-08	22.5	N/A	34.2	N/A	54.0	N/A
	Jul-08	41.4	N/A	34.0	N/A	71.8	N/A
	Aug-08	0.0	N/A	33.3	N/A	48.6	N/A
	Sep-08	7.8	N/A	37.5	N/A	50.2	N/A
	Oct-08	19.3	N/A	35.8	N/A	49.9	N/A
	Nov-08	19.6	N/A	37.5	N/A	46.2	N/A
	Dec-08	28.3	N/A	32.0	N/A	53.7	N/A
	Jan-09	22.4	N/A	30.1	N/A	48.8	N/A
	Feb-09	13.4	N/A	25.1	N/A	35.5	N/A
	Mar-09	14.4	N/A	28.4	N/A	38.1	N/A

Annual Peak: 41.4 MW

Annual KWH: 161,988,758

12 Coincident Peak Average: 19.9 MW

12 CP Load Factor: 0.929

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.447

Sum of individual customer maximum demand: 56.0 MW

Customer (Billing or Maximum Demand) Load Factor: 0.330

Note: During the study period, there were no interruptions of load, therefore no supplemental data required to adjust measured load to that without load control.

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: Progress Energy Florida

DOCKET NO.:

EXPLANATION: For each rate class that is not 100% time metered by time recording meters, provide the estimated historic value and 90% confidence interval by month from the latest load research for (1) contribution to monthly system peaks (coincident), (2) monthly noncoincident peak (class peaks) and (3) monthly customer maximum demand (billing demand for demand classes). For classes, 100% metered with time recording meters provide actual monthly values for the aforementioned demands and identify such as actual values. Also, provide the annual KWH as well as the 12 CP Load Factor, Class NCP Load Factor and the Customer Load Factor for each class.

Type of Data Shown:

Historical Test Year Ended 3/31/09
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Curtailable Standby Service							
SS-3	Apr-08	0.0	N/A	8.2	N/A	8.2	N/A
	May-08	6.0	N/A	11.9	N/A	11.9	N/A
	Jun-08	9.6	N/A	11.7	N/A	11.7	N/A
	Jul-08	0.0	N/A	12.5	N/A	12.5	N/A
	Aug-08	0.0	N/A	7.6	N/A	7.6	N/A
	Sep-08	0.0	N/A	4.9	N/A	4.9	N/A
	Oct-08	0.0	N/A	3.7	N/A	3.7	N/A
	Nov-08	0.0	N/A	4.9	N/A	4.9	N/A
	Dec-08	0.0	N/A	6.9	N/A	6.9	N/A
	Jan-09	0.0	N/A	4.4	N/A	4.4	N/A
	Feb-09	0.0	N/A	12.5	N/A	12.5	N/A
	Mar-09	0.0	N/A	7.2	N/A	7.2	N/A

Annual Peak: 12.5 MW

Annual KWH: 5,121,329

12 Coincident Peak Average: 1.3 MW

12 CP Load Factor: 0.451

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.047

Sum of individual customer maximum demand 12.5 MW

Customer (Billing or Maximum Demand) Load Factor 0.047

Note: During the study period, there were no curtailments of load, therefore no supplemental data required to adjust measured load to that without load control.

DOCKET NO.:

PROGRESS ENERGY FLORIDA
 ANALYSIS OF COINCIDENT LOADING FOR THE LIGHTING CLASS
 FOR THE TEN YEARS ENDED DECEMBER 31, 2008

RATE SCHEDULE
 LIGHTING - LS

Percentage of Lighting Load Occurring at Time of Monthly System Peak

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	TEN YR AVG % LIGHT LOAD
JAN	25%	-	20%	25%	25%	15%	25%	20%	15%	25%	19.50%
FEB	5%	-	10%	0%	10%	5%	10%	10%	5%	-	5.50%
MAR	-	-	-	-	-	-	100%	100%	-	-	20.00%
APR	90%	-	-	-	-	-	-	-	-	-	9.00%
MAY	-	-	-	-	-	-	-	-	-	-	0.00%
JUN	-	-	-	-	-	-	-	-	-	-	0.00%
JUL	-	5%	-	-	-	-	-	-	-	-	0.50%
AUG	-	-	-	-	-	-	-	-	-	-	0.00%
SEP	-	-	-	-	-	-	-	-	-	-	0.00%
OCT	-	-	-	-	-	-	-	-	-	-	0.00%
NOV	100%	-	95%	-	-	-	-	100%	-	-	29.50%
DEC	30%	35%	-	15%	-	25%	25%	100%	25%	25%	28.00%
											112.00%
											===
											AVG MONTHLY COINCIDENCE = 9.3%
											ANNUAL BURNING HOURS = 4,200
											LOAD FACTOR:
											BASED ON AVG. 12 CP = 5.151
											BASED ON CLASS ANNUAL MAX DEM = 0.479