



July 31, 2012

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VIA HAND DELIVERY

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

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, 2012.

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 UMR
John T. Burnett

JTB/lmr
Attachment

COM	_____
AFD	_____
APA	_____
ECO	5 _____
ENG	_____
GCL	_____
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CLK	_____

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FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH STUDY RESULTS
COVERING THE PERIOD FROM
APRIL, 2011 THROUGH MARCH, 2012
JULY 31, 2012**

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

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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 2010 and mass memory interval recording meters were installed in the winter of 2010/2011. Formal data collection began on April 1, 2011 and continued through March 31, 2012. The sample plan was provided to the FPSC staff in August 2011 and approved in October 2011.

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 enough to meet the target accuracy goal. The mean per unit method 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 2010, the General Service Non-Demand Rate Class consisted of over 124,000 customers. By April 2011 when data collection officially began, Progress Energy Florida had 123,818 General Service Non-Demand customers.

Two dimensional stratification and the mean per unit method were used for this rate class sample. The technique involved stratification using the billed energy for the winter peak month (January, 2010) and the summer peak month (July, 2010). 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 - Jan 10 billed energy > 1,300 kWh & July 10 energy < 1,800 kWh	15
2 - Jan 10 billed energy > 1,300 kWh & July 10 energy > 1,800 kWh	34
3 - Jan 10 billed energy < 1,300 kWh & July 10 energy < 1,800 kWh	557
4 - Jan 10 billed energy < 1,300 kWh & July 10 energy > 1,800 kWh	15
5 - Census Stratum – customers over >40,000 kWh / month	25
Total	646

Table 2 - General Service Non-Demand Sample Design

GENERAL SERVICE DEMAND RATE CLASS SAMPLE

Two dimensional stratification and the mean per unit method 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 50 kW	52
2 – Customers with a billing demand between 50.01 kW & 248 kW	30
3 – Customers with a billing demand between 248.01 kW & 1,000 kW	30
4 – Customers with a billing demand greater than 1000 kW	262
Total	374

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 2011, there were 135 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. The selection of replacements was handled differently depending on the rate class.

Replacements for the Residential, General Service, and General Service Demand Rate Classes 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.

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, 2012. 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 Wednesday, January 04, 2012 and the summer peak hour occurred at hour ending 1700 on Tuesday, June 21, 2011. The target level of statistical accuracy of plus or minus 10% error at the 90% confidence level for the system summer, system winter peak and 12 coincident peaks 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, system winter peak and 12 coincident peaks was met for the General Service non demand Rate Class.

TABLE 4

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2012**

RESIDENTIAL (RS) CLASS

Month	KWH Sales	Class Coincident Peak 90%					Coincident with System Peak 90%					Non Coincident 90%			
		Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)	
Apr-11	1,321,537,099	3,806.3	203.6	5.35	04/28/11	18:00	3,676.9	200.8	5.46	04/27/11	17:00	8,757.7	337.17	3.85	
May-11	1,557,982,717	4,451.4	227.5	5.11	05/22/11	18:00	3,951.8	168.7	4.27	05/24/11	18:00	9,162.8	350.02	3.82	
Jun-11	1,792,416,049	4,582.0	177.8	3.88	06/21/11	18:00	4,423.7	178.3	4.03	06/21/11	17:00	9,172.8	288.94	3.15	
Jul-11	1,913,916,186	4,685.8	191.2	4.08	07/30/11	18:00	4,671.3	190.6	4.08	07/30/11	17:00	9,386.2	305.99	3.26	
Aug-11	1,984,900,656	4,457.3	171.2	3.84	08/11/11	18:00	4,447.1	158.3	3.56	08/12/11	16:00	9,322.6	286.20	3.07	
Sep-11	1,696,523,280	4,212.6	157.6	3.74	09/11/11	17:00	3,958.5	131.8	3.33	09/12/11	17:00	8,920.5	239.07	2.68	
Oct-11	1,167,012,004	3,195.2	121.1	3.79	10/11/11	18:00	3,154.5	121.4	3.85	10/11/11	17:00	8,076.5	239.06	2.96	
Nov-11	1,034,858,160	2,507.9	139.4	5.56	11/16/11	16:00	2,507.9	139.4	5.56	11/16/11	16:00	8,398.9	277.16	3.30	
Dec-11	1,129,896,580	2,822.7	240.5	8.52	12/29/11	10:00	2,412.2	194.4	8.06	12/23/11	19:00	9,057.7	400.35	4.42	
Jan-12	1,316,401,134	4,848.3	296.7	6.12	01/04/12	07:00	4,811.8	334.4	6.95	01/04/12	08:00	10,597.7	493.85	4.66	
Feb-12	1,086,121,670	4,432.7	318.7	7.19	02/13/12	07:00	4,387.4	309.3	7.05	02/13/12	08:00	9,787.2	414.98	4.24	
Mar-12	1,211,023,035	3,210.3	190.0	5.92	03/23/12	18:00	3,030.2	183.9	6.07	03/23/12	17:00	8,843.3	371.42	4.20	
		TWELVE COINCIDENT PEAK STATISTICS: Twelve Months Ending March 2012					3,786.1	104.6	2.76%						

TABLE 5

PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2012

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-11	89,945,648	255.2	29.8	11.69	04/19/11	16:00	224.6	24.8	11.03	04/27/11	17:00	522.3	62.3	11.9	
May-11	104,321,267	264.5	27.6	10.43	05/10/11	15:00	192.0	21.6	11.23	05/24/11	18:00	534.7	57.2	10.7	
Jun-11	116,663,870	305.7	30.6	10.01	06/21/11	16:00	284.6	28.3	9.94	06/21/11	17:00	561.4	57.7	10.3	
Jul-11	116,717,039	276.8	33.2	11.99	07/21/11	14:00	187.6	13.8	7.36	07/30/11	17:00	545.8	59.1	10.8	
Aug-11	119,424,679	284.2	23.3	8.19	08/02/11	15:00	267.0	19.4	7.27	08/12/11	16:00	587.7	68.5	11.7	
Sep-11	103,395,784	266.5	35.4	13.27	09/14/11	15:00	233.2	20.9	8.95	09/12/11	17:00	533.7	54.3	10.2	
Oct-11	105,181,621	210.1	21.6	10.30	10/05/11	16:00	162.3	25.6	15.77	10/11/11	17:00	488.8	55.3	11.3	
Nov-11	86,478,908	233.0	28.5	12.23	11/16/11	14:00	220.2	25.4	11.52	11/16/11	16:00	527.9	67.2	12.7	
Dec-11	83,326,678	191.6	30.8	16.10	12/22/11	15:00	141.3	11.2	7.94	12/23/11	19:00	516.8	72.7	14.1	
Jan-12	91,887,558	255.7	47.7	18.67	01/05/12	09:00	205.3	29.4	14.32	01/04/12	08:00	609.2	108.6	17.8	
Feb-12	83,343,268	246.9	39.0	15.80	02/29/12	15:00	176.8	24.7	13.97	02/13/12	08:00	605.4	103.0	17.0	
Mar-12	109,051,846	255.1	30.2	11.82	03/21/12	14:00	246.4	31.3	12.70	03/23/12	17:00	536.0	70.4	13.1	
		TWELVE COINCIDENT PEAK STATISTICS: Twelve Months Ending March 2012						211.8	26.1	12.35%					

TABLE 6

**PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2012**

GENERAL SERVICE DEMAND (GSD) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					90%		
		Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)
Apr-11	1,143,386,940	2,419.5	113.2	4.68	04/28/11	12:00	2,338.2	94.2	4.03	04/27/11	17:00	2,951.0	159.9	5.4
May-11	1,273,157,024	2,476.4	112.9	4.56	05/11/11	15:00	2,234.2	86.9	3.89	05/24/11	18:00	2,992.5	154.4	5.2
Jun-11	1,332,703,894	2,660.5	122.1	4.59	06/23/11	15:00	2,586.1	98.5	3.81	06/21/11	17:00	3,161.4	145.1	4.6
Jul-11	1,436,587,161	2,591.1	105.5	4.07	07/21/11	16:00	2,250.5	90.5	4.02	07/30/11	17:00	3,115.8	158.6	5.1
Aug-11	1,503,827,219	2,793.2	99.4	3.56	08/12/11	14:00	2,777.8	96.1	3.46	08/12/11	16:00	3,303.1	147.6	4.5
Sep-11	1,400,650,328	2,528.4	89.8	3.55	09/28/11	15:00	2,388.4	81.0	3.39	09/12/11	17:00	3,137.7	138.4	4.4
Oct-11	1,253,126,630	2,372.3	90.6	3.82	10/12/11	14:00	2,332.1	80.7	3.46	10/11/11	17:00	2,918.8	136.9	4.7
Nov-11	1,154,927,910	2,350.4	134.4	5.72	11/16/11	15:00	2,314.6	120.8	5.22	11/16/11	16:00	2,890.1	136.4	4.7
Dec-11	1,116,526,300	2,014.9	94.5	4.69	12/07/11	15:00	1,647.6	75.0	4.55	12/23/11	19:00	2,641.5	130.8	5.0
Jan-12	1,091,418,928	2,114.1	104.6	4.95	01/26/12	14:00	1,699.0	133.0	7.83	01/04/12	08:00	2,853.8	159.2	5.6
Feb-12	1,097,011,794	2,260.5	95.6	4.23	02/24/12	14:00	1,704.2	25.0	1.47	02/13/12	08:00	2,942.8	173.0	5.9
Mar-12	1,154,454,338	2,296.1	134.1	5.84	03/23/12	14:00	2,199.9	90.4	4.11	03/23/12	17:00	2,814.4	151.1	5.4
TWELVE COINCIDENT PEAK STATISTICS: Twelve Months Ending March 2012							2,206.1	94.7	4.29%					

TABLE 7

PROGRESS ENERGY FLORIDA, INC.
LOAD RESEARCH DATA
TWELVE MONTHS ENDING MARCH 2012

INTERRUPTIBLE (IS) CLASS

Month	KWH Sales	Class Coincident Peak					Coincident with System Peak					90%		
		90%		Relative Accuracy (%)	Date	Time	90%		Relative Accuracy (%)	Date	Time	Estimated Peak (MW)	Confidence Interval (MW)	Relative Accuracy (%)
		Estimated Peak (MW)	Confidence Interval (MW)				Estimated Peak (MW)	Confidence Interval (MW)						
Apr-11	199,075,594	328.1	0.0	0.00	04/07/11	10:00	231.1	0.0	0.00	04/27/11	17:00	454.6	N/A	N/A
May-11	184,294,650	319.6	0.0	0.00	05/10/11	12:00	269.0	0.0	0.00	05/24/11	18:00	459.6	N/A	N/A
Jun-11	167,951,468	292.5	0.0	0.00	06/28/11	02:00	212.3	0.0	0.00	06/21/11	17:00	446.5	N/A	N/A
Jul-11	162,149,485	279.2	0.0	0.00	07/14/11	07:00	244.7	0.0	0.00	07/30/11	17:00	421.7	N/A	N/A
Aug-11	167,593,795	279.9	0.0	0.00	08/05/11	11:00	227.9	0.0	0.00	08/12/11	16:00	442.2	N/A	N/A
Sep-11	160,695,284	281.9	0.0	0.00	09/13/11	12:00	272.4	0.0	0.00	09/12/11	17:00	442.0	N/A	N/A
Oct-11	161,939,450	275.7	0.0	0.00	10/11/11	02:00	267.4	0.0	0.00	10/11/11	17:00	434.3	N/A	N/A
Nov-11	161,248,508	296.5	0.0	0.00	11/21/11	15:00	249.4	0.0	0.00	11/16/11	16:00	434.8	N/A	N/A
Dec-11	164,761,471	289.1	0.0	0.00	12/16/11	14:00	203.5	0.0	0.00	12/23/11	19:00	439.6	N/A	N/A
Jan-12	155,511,109	260.7	0.0	0.00	01/30/12	13:00	196.8	0.0	0.00	01/04/12	08:00	414.6	N/A	N/A
Feb-12	163,807,549	295.7	0.0	0.00	02/16/12	13:00	240.0	0.0	0.00	02/13/12	08:00	436.3	N/A	N/A
Mar-12	160,312,842	297.3	0.0	0.00	03/29/12	14:00	244.4	0.0	0.00	03/23/12	17:00	438.5	N/A	N/A
		TWELVE COINCIDENT PEAK STATISTICS: Twelve Months Ending March 2012					238.2	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, 2011 through March 31st, 2012 and is on Standard Time. The format of the data is the standard "EEI" format used in the electric utility industry.

040111	1122	897	733	722	750	898	1213	1379	1295	1463	1524	1566
040111	1550	1539	1538	1651	1843	2042	2004	1833	1802	1690	1492	1348
040211	1035	843	790	718	784	816	920	1161	1320	1572	1664	1674
040211	1669	1875	1795	2100	2163	2208	2123	1934	1861	1682	1547	1353
040311	1148	957	807	729	750	803	864	1048	1190	1564	1763	1638
040311	1811	1878	2154	2359	2423	2541	2463	2204	2197	2027	1752	1531
040411	1170	1011	890	878	847	1052	1225	1331	1347	1397	1650	1786
040411	1986	2143	2480	2634	2746	2807	2773	2546	2774	2582	2239	1857
040511	1483	1243	1139	1090	1110	1243	1410	1574	1579	1588	1554	1604
040511	1509	1444	1457	1519	1606	1685	1767	1753	1784	1749	1419	1206
040611	994	835	757	737	801	1012	1285	1489	1517	1462	1430	1399
040611	1468	1363	1358	1510	1630	1943	1992	1911	2017	2047	1649	1287
040711	969	894	786	789	777	906	1131	1347	1382	1428	1469	1579
040711	1710	1751	1854	2088	2538	2585	2501	2357	2367	2328	1869	1496
040811	1175	1000	875	854	863	1047	1106	1307	1306	1480	1698	2038
040811	2111	2268	2465	2674	2989	3028	2973	2794	2459	2259	1975	1813
040911	1449	1226	1049	1009	953	952	915	1234	1430	1769	1985	2308
040911	2457	2689	2953	3049	3369	3362	3346	3011	2788	2518	2275	1918
041011	1656	1352	1150	989	950	952	987	1073	1509	1855	2061	2484
041011	2951	3197	3417	3468	3597	3478	3549	3268	2991	2806	2437	2062
041111	1596	1293	1126	1034	972	1117	1367	1463	1531	1602	1829	2176
041111	2573	2719	3006	3294	3498	3444	3533	3238	3109	2758	2491	1964
041211	1543	1319	1107	1089	1056	1199	1478	1541	1587	1658	1797	2097
041211	2337	2490	2663	2787	2889	2910	2811	2579	2562	2259	2004	1581
041311	1238	1052	928	864	885	1086	1158	1353	1361	1443	1465	1508
041311	1677	1922	2050	2297	2537	2719	2716	2509	2389	2276	1759	1362
041411	1093	908	846	765	778	978	1179	1378	1392	1460	1346	1567
041411	1680	1889	2164	2384	2624	2751	2717	2416	2345	2198	1930	1526
041511	1224	1069	947	907	857	1063	1198	1426	1453	1523	1585	1800
041511	1975	2203	2474	2660	2801	2788	2591	2422	2382	2017	2026	1732
041611	1442	1126	1038	987	956	958	1003	1133	1518	1888	2155	2331
041611	2586	2659	2973	3054	3058	3015	2914	2653	2672	2322	2322	1949
041711	1577	1333	1144	1075	966	970	991	1186	1429	1746	1998	2032
041711	2071	2194	2374	2615	2864	2742	2728	2449	2411	2201	1833	1371
041811	1156	956	840	802	757	965	1181	1192	1189	1257	1406	1500
041811	1788	2012	2380	2660	2958	3054	3024	2798	2799	2478	2076	1712
041911	1459	1213	1097	980	941	1098	1282	1417	1461	1616	1730	2019
041911	2269	2525	2908	3014	3348	3436	3280	3100	2971	2810	2353	1910
042011	1619	1370	1238	1148	1054	1188	1448	1516	1518	1687	2042	2294
042011	2527	2676	2986	3277	3447	3399	3362	3080	2816	2716	2326	1948
042111	1538	1327	1125	1052	1041	1099	1297	1390	1433	1538	1781	1988
042111	2306	2621	2847	3075	3254	3256	3239	3059	2945	2638	2246	1908

042211	1591	1299	1068	996	948	1047	1185	1299	1334	1588	1998	2315
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052011	1459	1224	1083	1045	1034	1142	1308	1448	1363	1684	1936	2364
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052411	1941	1647	1410	1331	1270	1389	1535	1521	1588	1952	2197	2681
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052611	1837	1501	1317	1252	1215	1295	1403	1494	1749	2086	2313	2604
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052711	2040	1751	1575	1492	1387	1455	1675	1740	1824	2017	2433	2644
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053011	1938	1614	1490	1432	1229	1231	1240	1446	1802	2469	2682	3001
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061011	1975	1619	1416	1345	1295	1380	1400	1548	1751	2070	2377	2833
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061111	1964	1616	1473	1318	1267	1239	1261	1502	1650	2140	2405	2778
061111	3289	3683	3804	3880	4039	4156	4059	3615	3379	2983	2705	2336
061211	2036	1667	1512	1403	1269	1299	1260	1443	1833	2267	2754	3250
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061411	3653	3829	3933	3924	4175	4096	3947	3716	3414	3208	2992	2557

061511	2129	1935	1782	1644	1677	1687	1861	2002	2121	2500	2831	3303
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061911	3728	3962	4144	4266	4406	4360	4185	3965	3577	3412	3013	2538
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062211	2399	2101	1856	1759	1699	1691	1754	1783	2013	2335	2892	3250
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062411	2341	1980	1774	1597	1530	1630	1680	1826	1995	2346	2744	3063
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071011	2133	1858	1644	1537	1386	1393	1430	1616	2025	2563	2953	3243
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071111	1995	1778	1605	1544	1465	1519	1633	1862	2070	2152	2636	2981
071111	3395	3455	3556	3556	3638	3608	3625	3383	3312	3106	2798	2357

071211	2071	1847	1621	1480	1384	1506	1497	1795	2054	2236	2766	3159
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111911	1846	1891	1933	2035	1915	1809	1958	1992	1853	1718	1792	1611
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121611	1432	1072	906	824	801	825	1003	1226	1365	1452	1432	1588
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121911	1560	1298	1239	1132	1121	1160	1286	1621	2104	1853	1935	1748
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122011	1375	1074	848	840	856	828	949	1338	1554	1597	1718	1581
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122111	1400	1023	901	826	788	853	964	1144	1317	1432	1519	1543
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022212	1311	1432	1480	1388	1454	1584	1815	2090	2000	1883	1807	1517
022312	1289	1045	902	832	801	819	983	1439	1489	1541	1469	1488
022312	1410	1580	1718	1668	1769	1923	2121	2207	2091	2143	2076	1668
022412	1405	1176	993	918	850	861	987	1259	1462	1474	1539	1629
022412	1888	2031	1981	2212	2089	2096	2115	2227	2027	2069	2005	1864
022512	1625	1371	1132	1000	887	849	873	1018	1327	1687	1594	1913
022512	1946	1759	1756	1789	1608	1694	1564	1782	1783	1713	1634	1547
022612	1396	1242	1081	1037	1004	1019	1174	1232	1427	1848	2151	2092
022612	2149	2079	1779	1807	1763	1801	1866	2013	2005	1993	1896	1578
022712	1220	1046	878	835	834	877	992	1327	1448	1416	1401	1464
022712	1441	1637	1642	1665	1780	1841	2022	2159	2159	2165	1950	1529
022812	1438	1183	983	849	803	821	945	1429	1472	1450	1357	1519
022812	1525	1654	1729	1712	1814	2109	2268	2150	2189	2101	1925	1635
022912	1332	1119	961	850	845	857	1066	1396	1531	1376	1510	1515
022912	1716	1897	2029	2081	2205	2386	2287	2226	2263	2190	2162	1875
030112	1482	1144	955	919	893	912	1110	1346	1504	1513	1452	1516
030112	1696	2018	1984	2165	2265	2508	2479	2271	2301	2353	2052	1883
030212	1572	1229	1025	900	830	860	959	1327	1434	1416	1517	1700
030212	1736	1934	2065	2214	2365	2458	2352	2418	2315	2167	2136	1850
030312	1581	1224	1111	999	899	877	915	1100	1409	1569	1828	2284
030312	2435	2506	2648	2784	2775	2816	2602	2522	2475	2256	2106	1944
030412	1730	1465	1264	1130	1166	1190	1121	1049	1177	1465	1812	1853
030412	1933	1936	1948	1764	1709	1819	1885	1810	2058	1984	1900	1660
030512	1485	1310	1248	1229	1282	1430	1681	2379	2645	2455	1859	1739
030512	1534	1419	1413	1401	1481	1579	1755	1792	1993	1831	1699	1511
030612	1276	1027	1022	868	968	961	1204	1707	1722	1699	1470	1430
030612	1508	1453	1371	1305	1289	1427	1552	1747	1855	1787	1732	1441
030712	1170	1010	902	839	823	816	949	1370	1467	1387	1414	1481
030712	1540	1411	1445	1500	1620	1660	1776	1883	1952	1911	1983	1590
030812	1214	1050	925	848	792	809	966	1334	1526	1543	1450	1470
030812	1539	1697	1766	1901	1926	2158	2080	2202	2161	2148	1928	1660
030912	1437	1161	923	923	900	858	976	1299	1381	1439	1545	1573
030912	1787	1802	1890	2137	2086	2092	2116	2079	2018	1961	1871	1614
031012	1380	1223	1066	970	828	806	844	970	1303	1505	1638	1783
031012	1820	1936	1967	2043	2053	2042	1985	1941	1832	1845	1850	1555

031112	1374	1184	988	920	847	875	878	1004	1255	1632	1810	1922
031112	1954	1980	1927	2101	2069	2196	2054	1999	2146	2003	1800	1445
031212	1194	1042	910	946	843	974	1192	1406	1322	1397	1483	1633
031212	1695	1650	1840	1847	2063	2223	2079	2096	2018	2036	1726	1504
031312	1243	1001	902	837	841	868	1201	1378	1487	1355	1511	1477
031312	1712	1770	1822	2053	2217	2233	2352	2247	2325	2156	1874	1528
031412	1325	1009	939	871	846	1016	1219	1307	1334	1396	1459	1525
031412	1701	1731	1986	2085	2309	2424	2371	2317	2218	2167	1907	1576
031512	1250	1001	982	934	908	1004	1344	1372	1483	1472	1621	1722
031512	1705	1913	2047	2179	2368	2397	2290	2171	2293	2267	2041	1649
031612	1306	1051	987	870	841	973	1171	1411	1394	1502	1630	1653
031612	1733	1898	2018	2172	2351	2527	2393	2229	2203	2190	1948	1531
031712	1368	1135	939	861	853	862	998	1210	1413	1703	1782	1977
031712	1902	2171	2336	2492	2737	2718	2586	2146	1991	1948	1876	1604
031812	1287	1070	938	893	870	846	925	1116	1477	1631	1916	1891
031812	2129	2310	2503	2555	2669	2666	2684	2444	2433	2287	1953	1498
031912	1216	1062	935	840	851	938	1150	1419	1470	1512	1557	1605
031912	1805	1891	2119	2282	2503	2677	2637	2488	2268	2164	1893	1492
032012	1205	985	932	836	828	888	1355	1409	1422	1378	1464	1638
032012	1729	1774	1908	2093	2395	2566	2502	2494	2429	2275	1992	1630
032112	1311	1105	998	914	898	1003	1191	1339	1419	1473	1597	1754
032112	1817	1968	2112	2160	2382	2692	2502	2401	2466	2379	2131	1664
032212	1410	1246	1083	999	961	1066	1461	1528	1542	1514	1733	1880
032212	2062	2211	2302	2448	2682	2721	2689	2581	2589	2581	2214	1820
032312	1416	1253	1073	951	917	984	1239	1439	1535	1648	1790	1959
032312	2172	2432	2618	2788	3030	3211	2958	2704	2390	2229	2013	1735
032412	1417	1197	1041	918	917	953	993	1239	1452	1733	1913	2003
032412	2259	2562	2652	2718	2673	2499	2576	2461	2253	2039	1871	1666
032512	1479	1312	1088	1058	1020	1027	1001	1205	1557	2064	2163	2115
032512	2323	2432	2531	2675	2716	2700	2548	2380	2311	2107	1840	1595
032612	1222	1037	978	929	856	958	1229	1330	1388	1428	1662	1722
032612	1771	1947	2133	2294	2401	2559	2612	2463	2402	2328	1770	1344
032712	1115	971	879	870	866	880	1190	1331	1433	1522	1699	1675
032712	1784	1839	2123	2243	2419	2690	2731	2560	2393	2223	1921	1587
032812	1257	1084	976	850	888	965	1231	1280	1342	1486	1659	1743
032812	2016	1954	2065	2425	2597	2682	2601	2440	2350	2161	2063	1662
032912	1302	1093	976	910	848	992	1222	1377	1362	1367	1524	1675
032912	1978	2134	2294	2470	2535	2735	2698	2621	2525	2433	2005	1636
033012	1257	1057	949	914	895	999	1323	1549	1510	1518	1744	1913
033012	1993	2102	2391	2574	2703	2690	2592	2446	2258	2159	1859	1606
033112	1370	1232	1049	893	912	930	983	1335	1472	1738	1949	2201
033112	2219	2249	2180	1995	1938	2053	2100	2003	1874	1823	1760	1606

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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-11	3,676.9	200.8	3,806.3	203.6	8,757.7	337.2
	May-11	3,951.8	168.7	4,451.4	227.5	9,162.8	350.0
	Jun-11	4,423.7	178.3	4,582.0	177.8	9,172.8	288.9
	Jul-11	4,671.3	190.6	4,685.8	191.2	9,386.2	306.0
	Aug-11	4,447.1	158.3	4,457.3	171.2	9,322.6	286.2
	Sep-11	3,958.5	131.8	4,212.6	157.6	8,920.5	239.1
	Oct-11	3,154.5	121.4	3,195.2	121.1	8,076.5	239.1
	Nov-11	2,507.9	139.4	2,507.9	139.4	8,398.9	277.2
	Dec-11	2,412.2	194.4	2,822.7	240.5	9,057.7	400.4
	Jan-12	4,811.8	334.4	4,848.3	296.7	10,597.7	493.9
	Feb-12	4,387.4	309.3	4,432.7	318.7	9,787.2	415.0
	Mar-12	3,030.2	183.9	3,210.3	190.0	8,843.3	371.4
Annual Peak:	4,848 MW			Annual KWH:	17,212,588,570		
12 Coincident Peak Average:	3,786 MW			12 CP Load Factor:	0.519		
90% Confidence Interval:	105 MW			Class (NCP) Load Factor:	0.405		
Sum of individual customer maximum demands:	13,233 MW			Customer (Billing or Maximum Demand) Load Factor:	0.148		

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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-11	224.6	24.8	255.2	29.8	522.3	62.3
	May-11	192.0	21.6	264.5	27.6	534.7	57.2
	Jun-11	284.6	28.3	305.7	30.6	561.4	57.7
	Jul-11	187.6	13.8	276.8	33.2	545.8	59.1
	Aug-11	267.0	19.4	284.2	23.3	587.7	68.5
	Sep-11	233.2	20.9	266.5	35.4	533.7	54.3
	Oct-11	162.3	25.6	210.1	21.6	488.8	55.3
	Nov-11	220.2	25.4	233.0	28.5	527.9	67.2
	Dec-11	141.3	11.2	191.6	30.8	516.8	72.7
	Jan-12	205.3	29.4	255.7	47.7	609.2	108.6
	Feb-12	176.8	24.7	246.9	39.0	605.4	103.0
	Mar-12	246.4	31.3	255.1	30.2	536.0	70.4

Annual Peak: 306 MW

Annual KWH: 1,209,738,166

12 Coincident Peak Average: 212 MW

12 CP Load Factor: 0.652

90% Confidence Interval: 26 MW

Class (NCP) Load Factor: 0.452

Sum of individual customer maximum demands: 883 MW

Customer (Billing or Maximum Demand) Load Factor: 0.156

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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-11	2,338.2	94.2	2,419.5	113.2	2,951.0	159.9
	May-11	2,234.2	86.9	2,476.4	112.9	2,992.5	154.4
	Jun-11	2,586.1	98.5	2,660.5	122.1	3,161.4	145.1
	Jul-11	2,250.5	90.5	2,591.1	105.5	3,115.8	158.6
	Aug-11	2,777.8	96.1	2,793.2	99.4	3,303.1	147.6
	Sep-11	2,388.4	81.0	2,528.4	89.8	3,137.7	138.4
	Oct-11	2,332.1	80.7	2,372.3	90.6	2,918.8	136.9
	Nov-11	2,314.6	120.8	2,350.4	134.4	2,890.1	136.4
	Dec-11	1,647.6	75.0	2,014.9	94.5	2,641.5	130.8
	Jan-12	1,699.0	133.0	2,114.1	104.6	2,853.8	159.2
	Feb-12	1,704.2	25.0	2,260.5	95.6	2,942.8	173.0
	Mar-12	2,199.9	90.4	2,296.1	134.1	2,814.4	151.1

Annual Peak: 2,793 MW Annual KWH: 14,957,778,466

12 Coincident Peak Average: 2,206 MW 12 CP Load Factor: 0.774

90% Confidence Interval: 95 MW Class (NCP) Load Factor: 0.611

Sum of individual customer maximum demands: 3,732 MW Customer (Billing or Maximum Demand) Load Factor: 0.458

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 3/31/12

Projected Test Year Ended ___/___/___

Prior Year Ended ___/___/___

Witness:

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Curtailed Service							
	Apr-11	14.1	N/A	18.5	N/A	19.6	N/A
	May-11	6.1	N/A	18.5	N/A	19.0	N/A
	Jun-11	15.1	N/A	19.5	N/A	20.0	N/A
	Jul-11	11.0	N/A	18.7	N/A	19.6	N/A
	Aug-11	5.2	N/A	19.1	N/A	19.9	N/A
	Sep-11	7.9	N/A	18.4	N/A	19.4	N/A
	Oct-11	6.6	N/A	20.3	N/A	21.9	N/A
	Nov-11	6.7	N/A	19.3	N/A	20.1	N/A
	Dec-11	6.9	N/A	15.7	N/A	16.4	N/A
	Jan-12	5.5	N/A	19.4	N/A	20.4	N/A
	Feb-12	5.2	N/A	17.4	N/A	18.0	N/A
	Mar-12	5.1	N/A	17.6	N/A	18.4	N/A

Annual Peak: 20.3 MW

Annual KWH: 82,683,617

12 Coincident Peak Average: 8.0 MW

12 CP Load Factor: 1.186

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.465

Sum of individual customer maximum demands: 22.2 MW

Customer (Billing or Maximum Demand) Load Factor: 0.425

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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 Service							
	Apr-11	231.1	N/A	328.1	N/A	454.6	N/A
	May-11	269.0	N/A	319.6	N/A	459.6	N/A
	Jun-11	212.3	N/A	292.5	N/A	446.5	N/A
	Jul-11	244.7	N/A	279.2	N/A	421.7	N/A
	Aug-11	227.9	N/A	279.9	N/A	442.2	N/A
	Sep-11	272.4	N/A	281.9	N/A	442.0	N/A
	Oct-11	267.4	N/A	275.7	N/A	434.3	N/A
	Nov-11	249.4	N/A	296.5	N/A	434.8	N/A
	Dec-11	203.5	N/A	289.1	N/A	439.6	N/A
	Jan-12	196.8	N/A	260.7	N/A	414.6	N/A
	Feb-12	240.0	N/A	295.7	N/A	436.3	N/A
	Mar-12	244.4	N/A	297.3	N/A	438.5	N/A

Annual Peak: 328 MW

Annual KWH: 2,009,341,206

12 Coincident Peak Average: 238 MW

12 CP Load Factor: 0.963

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.699

Sum of individual customer maximum demands: 664 MW

Customer (Billing or Maximum Demand) Load Factor: 0.345

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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-11	1.2	N/A	4.1	N/A	8.0	N/A
	May-11	0.0	N/A	3.6	N/A	6.1	N/A
	Jun-11	0.0	N/A	9.1	N/A	15.1	N/A
	Jul-11	0.0	N/A	5.4	N/A	8.9	N/A
	Aug-11	0.0	N/A	10.1	N/A	16.3	N/A
	Sep-11	0.2	N/A	9.4	N/A	15.9	N/A
	Oct-11	2.2	N/A	4.7	N/A	6.5	N/A
	Nov-11	1.6	N/A	3.8	N/A	6.9	N/A
	Dec-11	1.1	N/A	10.5	N/A	13.8	N/A
	Jan-12	1.0	N/A	8.7	N/A	18.9	N/A
	Feb-12	1.0	N/A	9.5	N/A	12.4	N/A
	Mar-12	1.1	N/A	4.6	N/A	9.1	N/A

Annual Peak: 10.5 MW

Annual KWH: 10,223,963

12 Coincident Peak Average: 0.8 MW

12 CP Load Factor: 1.483

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.111

Sum of individual customer maximum demands: 22.5 MW

Customer (Billing or Maximum Demand) Load Factor: 0.052

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

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-11	19.3	N/A	37.8	N/A	48.8	N/A
	May-11	30.4	N/A	38.8	N/A	48.4	N/A
	Jun-11	22.7	N/A	40.0	N/A	54.5	N/A
	Jul-11	15.1	N/A	37.1	N/A	48.4	N/A
	Aug-11	3.0	N/A	25.9	N/A	52.7	N/A
	Sep-11	23.5	N/A	40.4	N/A	52.8	N/A
	Oct-11	15.8	N/A	33.4	N/A	45.1	N/A
	Nov-11	7.1	N/A	24.4	N/A	37.4	N/A
	Dec-11	9.4	N/A	34.2	N/A	45.4	N/A
	Jan-12	14.3	N/A	31.6	N/A	38.6	N/A
	Feb-12	10.3	N/A	31.3	N/A	39.1	N/A
	Mar-12	15.8	N/A	26.7	N/A	34.1	N/A

Annual Peak: 40.4 MW

Annual KWH: 116,975,142

12 Coincident Peak Average: 15.6 MW

12 CP Load Factor: 0.859

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.331

Sum of individual customer maximum demands: 56.2 MW

Customer (Billing or Maximum Demand) Load Factor: 0.237

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 3/31/12
 Projected Test Year Ended ___/___/___
 Prior Year Ended ___/___/___

Witness:

Rate Schedule	Month and Year	Actual Coincident Peak	90% Confidence Interval	Actual Noncoincident Peak	90% Confidence Interval	Actual Customer Maximum Demand	90% Confidence Interval
Curtable Standby Service							
SS-3	Apr-11	0.0	N/A	8.2	N/A	8.2	N/A
	May-11	0.0	N/A	6.8	N/A	6.8	N/A
	Jun-11	1.8	N/A	7.1	N/A	7.1	N/A
	Jul-11	0.0	N/A	7.2	N/A	7.2	N/A
	Aug-11	0.0	N/A	9.1	N/A	9.1	N/A
	Sep-11	0.0	N/A	10.5	N/A	10.5	N/A
	Oct-11	0.0	N/A	9.9	N/A	9.9	N/A
	Nov-11	0.0	N/A	0.0	N/A	0.0	N/A
	Dec-11	0.0	N/A	1.9	N/A	1.9	N/A
	Jan-12	0.0	N/A	5.0	N/A	5.0	N/A
	Feb-12	0.0	N/A	7.1	N/A	7.1	N/A
	Mar-12	0.0	N/A	3.3	N/A	3.3	N/A

Annual Peak: 10.5 MW

Annual KWH: 1,076,429

12 Coincident Peak Average: 0.2 MW

12 CP Load Factor: 0.814

90% Confidence Interval: N/A

Class (NCP) Load Factor: 0.012

Sum of individual customer maximum demands: 10.5 MW

Customer (Billing or Maximum Demand) Load Factor: 0.012

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, 2011

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>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	TEN YR AVG % LIGHT LOAD
JAN	25%	25%	15%	25%	20%	15%	25%	30%	25%	23%	22.80%
FEB	0%	10%	5%	10%	10%	5%	-	10%	4%	10%	6.40%
MAR	-	-	-	100%	100%	-	-	-	-	-	20.00%
APR	-	-	-	-	-	-	-	-	-	-	0.00%
MAY	-	-	-	-	-	-	-	-	-	-	0.00%
JUN	-	-	-	-	-	-	-	-	-	-	0.00%
JUL	-	-	-	-	-	-	-	-	-	-	0.00%
AUG	-	-	-	-	-	-	-	-	-	-	0.00%
SEP	-	-	-	-	-	-	-	-	-	-	0.00%
OCT	-	-	-	-	-	-	-	-	-	-	0.00%
NOV	-	-	-	-	100%	-	-	-	-	-	10.00%
DEC	15%	-	25%	25%	100%	25%	25%	-	30%	100%	34.50% 93.70%
											===
AVG MONTHLY COINCIDENCE										=	7.8%
ANNUAL BURNING HOURS										=	4,200
LOAD FACTOR:											
BASED ON AVG. 12 CP										=	6.141
BASED ON CLASS ANNUAL MAX DEMAND										=	0.479