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December 11, 2017

STAFF'S SECOND DATA REQUEST

-VIA ELECTRONIC FILING-

Ms. Carlotta Stauffer, Commission Clerk
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 20170216-EI; Florida Power & Light Company's Petition for Approval of Curtailable Service Tariff Modifications

Dear Ms. Stauffer:

Please find enclosed for filing a copy of Florida Power & Light Company's ("FPL") responses to Staff's Second Data Request in the above mentioned docket.

Thank you for your assistance. For questions regarding this filing, please contact me at (561) 691-7255.

Sincerely,

s/ Joel T. Baker
Joel T. Baker
Fla. Bar No. 0108202

Enclosures

cc: Charles Morgan II, Elisabeth Draper, Sevini Guffey, Riley Doherty, Division of Economics
Suzanne Brownless, Office of the General Counsel

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

QUESTION:

In the petition, the Company stated that the ECCR impact of all 16 eligible customers transferring to the CDR would be 0.0008 cents per kWh. Please provide the Company's calculations, assumptions, and results for this figure.

RESPONSE:

Please see Attachment No. 1 to this response.

Florida Power & Light Company
Docket No. 20170216-EI
Staff's Second Data Request
Request No. 1
Attachment No. 1
Page 1 of 1

FLORIDA POWER & LIGHT COMPANY
CS to CDR Impact to Base Revenues
For Rates Effective November 2017

AVG Curtailable Bill at 'November 2017 Rates

Customer #	Rate	Base	Total	CS Credit
1	74	\$136,150.44	\$296,094.36	(\$15,030.84)
2	74	\$150,985.44	\$319,471.32	(\$15,030.84)
3	73	\$149,828.04	\$320,674.44	(\$16,026.72)
4	82	\$1,429,750.80	\$3,017,560.92	(\$164,945.52)
5	73	\$176,162.88	\$379,440.12	(\$18,736.44)
6	74	\$240,708.36	\$530,660.88	(\$15,285.60)
7	73	\$175,496.64	\$379,618.08	(\$19,060.68)
8	75	\$748,444.32	\$1,653,244.56	(\$66,214.44)
9	73	\$214,644.00	\$324,808.61	(\$32,817.72)
10	71	\$866,761.44	\$1,763,814.11	(\$60,401.28)
11	73	\$242,024.16	\$500,392.36	(\$29,390.04)
12	73	\$111,106.32	\$189,363.12	(\$15,980.40)
13	75	\$358,472.04	\$649,183.20	(\$50,650.92)
14	74	\$308,184.00	\$666,448.92	(\$14,034.96)
15	73	\$139,130.16	\$289,448.64	(\$16,281.48)
16	74	\$141,850.56	\$298,019.16	(\$17,508.96)
Total		\$5,589,699.60	\$11,578,242.79	(\$567,396.84)

AVG CDR Bill at 'November 2017 Rates

Base	Total	CDR Credit
\$103,186.08	\$262,284.84	(\$49,495.20)
\$116,938.68	\$284,551.68	(\$50,577.60)
\$119,925.96	\$290,005.68	(\$47,428.80)
\$1,173,455.52	\$2,754,693.96	(\$421,840.80)
\$136,670.52	\$338,935.08	(\$59,728.80)
\$210,458.76	\$499,635.72	(\$47,035.20)
\$130,227.72	\$333,188.40	(\$65,829.60)
\$585,297.96	\$1,485,914.88	(\$229,960.80)
\$214,344.00	\$324,500.91	(\$32,078.40)
\$808,108.32	\$1,703,657.07	(\$119,654.40)
\$183,075.00	\$439,931.68	(\$89,839.20)
\$98,580.00	\$176,515.56	(\$37,195.20)
\$315,561.60	\$605,172.48	(\$99,679.20)
\$298,134.96	\$656,142.24	(\$25,584.00)
\$113,910.84	\$263,582.64	(\$43,000.80)
\$116,185.92	\$271,696.44	(\$44,673.60)
\$4,724,061.84	\$10,690,409.26	(\$1,463,601.60)

Dollar Impact to Bill Amount

Base	Total	Net Credit
(\$32,964.36)	(\$33,809.52)	(\$34,464.36)
(\$34,046.76)	(\$34,919.64)	(\$35,546.76)
(\$29,902.08)	(\$30,668.76)	(\$31,402.08)
(\$256,295.28)	(\$262,866.96)	(\$256,895.28)
(\$39,492.36)	(\$40,505.04)	(\$40,992.36)
(\$30,249.60)	(\$31,025.16)	(\$31,749.60)
(\$45,268.92)	(\$46,429.68)	(\$46,768.92)
(\$163,146.36)	(\$167,329.68)	(\$163,746.36)
(\$300.00)	(\$307.69)	\$739.32
(\$58,653.12)	(\$60,157.04)	(\$59,253.12)
(\$58,949.16)	(\$60,460.68)	(\$60,449.16)
(\$12,526.32)	(\$12,847.56)	(\$21,214.80)
(\$42,910.44)	(\$44,010.72)	(\$49,028.28)
(\$10,049.04)	(\$10,306.68)	(\$11,549.04)
(\$25,219.32)	(\$25,866.00)	(\$26,719.32)
(\$25,664.64)	(\$26,322.72)	(\$27,164.64)
(\$865,637.76)	(\$887,833.53)	(\$896,204.76)

Notes:

- 1 Determinants were based on annualizing the 12 month average billings.
- 2 Current rates of November 2017 were used.

Net Impact to Credit:	
Projected 2018 Retail kWh sales	107,335,993,758
Net Credit Impact in \$ per kWh	(\$0.000008)
Net Credit Impact in ¢ per kWh	-0.0008

QUESTION:

Does the CDR remain cost-effective with the addition of these 16 potential customers? Please provide the Company's calculations, assumptions, and results for each of the three cost-effectiveness models.

RESPONSE:

Yes. Please see Attachment No. 1 to this response, which is the most recent cost-effectiveness run from FPL's response to Staff's First Set of Interrogatories No. 1 in Docket No. 20170002-EG. There would be no material impact from the addition of the 16 potential customers on CDR's cost-effectiveness because the related incremental benefits and costs would be the same on a per interruptible kW basis as those included in the prior analysis.

INPUT DATA --PART I CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	0.95 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	1,2208 kW
(3) kW LINE LOSS PERCENTAGE	5.46 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	11.36 kWh ****
(5) kWh LINE LOSS PERCENTAGE	4.24 %
(6) GROUP LINE LOSS MULTIPLIER	1.00
(7) CUSTOMER kWh INCREASE AT METER	0.00 kWh ****

II. ECONOMIC LIFE & K FACTORS

(1) STUDY PERIOD FOR THE CONSERVATION PROGRAM	50 YEARS
(2) GENERATOR ECONOMIC LIFE	40 YEARS
(3) T&D ECONOMIC LIFE	40 YEARS
(4) K FACTOR FOR GENERATION	1.38664
(5) K FACTOR FOR T & D	1.57032

III. UTILITY & CUSTOMER COSTS

(1) UTILITY NON RECURRING COST PER CUSTOMER	*** \$/CUST
(2) UTILITY RECURRING COST PER CUSTOMER	*** \$/CUST
(3) UTILITY COST ESCALATION RATE	*** %**
(4) CUSTOMER EQUIPMENT COST	*** \$/CUST
(5) CUSTOMER EQUIPMENT ESCALATION RATE	*** %**
(6) CUSTOMER O & M COST	*** \$/CUSTYR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
(8) INCREASED SUPPLY COSTS	*** %**
(9) SUPPLY COSTS ESCALATION RATES	*** %**
(10) UTILITY DISCOUNT RATE	7.57 %
(11) UTILITY AFUDC RATE	6.34 %
(12) UTILITY NON RECURRING REBATE/INCENTIVE	*** \$/CUST
(13) UTILITY RECURRING REBATE/INCENTIVE	*** \$/CUST
(14) UTILITY REBATE/INCENTIVE ESCALATION RATE	*** %

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** VALUE SHOWN IS FOR FIRST YEAR ONLY (VALUE VARIES OVER TIME)
*** PROGRAM COST CALCULATION VALUES ARE SHOWN ON PAGE 2

IV.

AVOIDED GENERATOR AND T&D COSTS

(1) BASE YEAR	2017
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2027
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2018-2027
(4) BASE YEAR AVOIDED GENERATING COST	636.13 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0 \$/kW
(6) BASE YEAR DISTRIBUTION COST	0 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	2.00 %**
(8) GENERATOR FIXED O & M COST	42.33 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.5 %**
(10) TRANSMISSION FIXED O & M COST	0 \$/kW
(11) DISTRIBUTION FIXED O & M COST	0 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.5 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.0214 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.5 %**
(15) GENERATOR CAPACITY FACTOR	49 ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	2.93 CENTS/kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	7.51 %**

V.

NON-FUEL ENERGY AND DEMAND CHARGES

(1) NON-FUEL COST IN CUSTOMER BILL	*** CENTS/kWh
(2) NON-FUEL COST ESCALATION RATE	*** %
(3) DEMAND CHARGE IN CUSTOMER BILL	*** \$/kW/MO
(4) DEMAND CHARGE ESCALATION RATE	*** %

VI.

COST-EFFECTIVENESS RATIOS

(1) RIM TEST	1.092
(2) TRC TEST	43.880
(3) PARTICIPANT TEST	Infinite

* INPUT DATA - PART I CONTINUED
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

YEAR	(1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES \$(000)	(2) UTILITY INCENTIVES \$(000)	(3) OTHER UTILITY COSTS \$(000)	(4) TOTAL UTILITY PROGRAM COSTS \$(000)	(5) ENERGY CHARGE REVENUE LOSSES \$(000)	(6) DEMAND CHARGE REVENUE LOSSES \$(000)	(7) PARTICIPANT EQUIPMENT COSTS \$(000)	(8) PARTICIPANT O&M COSTS \$(000)	(9) OTHER PARTICIPANT COSTS \$(000)	(10) TOTAL PARTICIPANT COSTS \$(000)
2017	32	327	0	359	2	0	0	0	0	0
2018	43	982	0	1,025	6	0	0	0	0	0
2019	54	1,664	0	1,718	11	0	0	0	0	0
2020	65	2,358	0	2,424	15	0	0	0	0	0
2021	78	3,032	0	3,110	20	0	0	0	0	0
2022	90	3,706	0	3,796	25	0	0	0	0	0
2023	104	4,380	0	4,484	31	0	0	0	0	0
2024	118	5,054	0	5,171	37	0	0	0	0	0
2025	132	5,727	0	5,860	44	0	0	0	0	0
2026	148	6,401	0	6,549	50	0	0	0	0	0
2027	164	7,075	0	7,239	56	0	0	0	0	0
2028	180	7,749	0	7,929	62	0	0	0	0	0
2029	196	8,423	0	8,619	68	0	0	0	0	0
2030	212	9,097	0	9,309	74	0	0	0	0	0
2031	228	9,771	0	9,999	80	0	0	0	0	0
2032	244	10,445	0	10,703	86	0	0	0	0	0
2033	260	11,119	0	11,383	92	0	0	0	0	0
2034	276	11,793	0	12,067	98	0	0	0	0	0
2035	292	12,467	0	12,751	104	0	0	0	0	0
2036	308	13,141	0	13,435	110	0	0	0	0	0
2037	324	13,815	0	14,119	116	0	0	0	0	0
2038	340	14,489	0	14,803	122	0	0	0	0	0
2039	356	15,163	0	15,487	128	0	0	0	0	0
2040	372	15,837	0	16,171	134	0	0	0	0	0
2041	388	16,511	0	16,855	140	0	0	0	0	0
2042	404	17,185	0	17,539	146	0	0	0	0	0
2043	420	17,859	0	18,223	152	0	0	0	0	0
2044	436	18,533	0	18,907	158	0	0	0	0	0
2045	452	19,207	0	19,591	164	0	0	0	0	0
2046	468	19,881	0	20,275	170	0	0	0	0	0
2047	484	20,555	0	20,959	176	0	0	0	0	0
2048	500	21,229	0	21,643	182	0	0	0	0	0
2049	516	21,903	0	22,327	188	0	0	0	0	0
2050	532	22,577	0	23,011	194	0	0	0	0	0
2051	548	23,251	0	23,695	200	0	0	0	0	0
2052	564	23,925	0	24,379	206	0	0	0	0	0
2053	580	24,600	0	25,063	212	0	0	0	0	0
2054	596	25,274	0	25,747	218	0	0	0	0	0
2055	612	25,948	0	26,431	224	0	0	0	0	0
2056	628	26,622	0	27,115	230	0	0	0	0	0
2057	644	27,296	0	27,799	236	0	0	0	0	0
2058	660	27,970	0	28,483	242	0	0	0	0	0
2059	676	28,644	0	29,167	248	0	0	0	0	0
2060	692	29,318	0	29,851	254	0	0	0	0	0
2061	708	29,992	0	30,535	260	0	0	0	0	0
2062	724	30,666	0	31,219	266	0	0	0	0	0
2063	740	31,340	0	31,903	272	0	0	0	0	0
2064	756	32,014	0	32,587	278	0	0	0	0	0
2065	772	32,688	0	33,271	284	0	0	0	0	0
2066	788	33,362	0	33,955	290	0	0	0	0	0
2067	804	34,036	0	34,639	296	0	0	0	0	0
2068	820	34,710	0	35,323	302	0	0	0	0	0
2069	836	35,384	0	36,007	308	0	0	0	0	0
2070	852	36,058	0	36,691	314	0	0	0	0	0
2071	868	36,732	0	37,375	320	0	0	0	0	0
2072	884	37,406	0	38,059	326	0	0	0	0	0
2073	900	38,080	0	38,743	332	0	0	0	0	0
2074	916	38,754	0	39,427	338	0	0	0	0	0
2075	932	39,428	0	40,111	344	0	0	0	0	0
2076	948	40,102	0	40,795	350	0	0	0	0	0
2077	964	40,776	0	41,479	356	0	0	0	0	0
2078	980	41,450	0	42,163	362	0	0	0	0	0
2079	996	42,124	0	42,847	368	0	0	0	0	0
2080	1,012	42,798	0	43,531	374	0	0	0	0	0
2081	1,028	43,472	0	44,215	380	0	0	0	0	0
2082	1,044	44,146	0	44,899	386	0	0	0	0	0
2083	1,060	44,820	0	45,583	392	0	0	0	0	0
2084	1,076	45,494	0	46,267	398	0	0	0	0	0
2085	1,092	46,168	0	46,951	404	0	0	0	0	0
2086	1,108	46,842	0	47,635	410	0	0	0	0	0
2087	1,124	47,516	0	48,319	416	0	0	0	0	0
2088	1,140	48,190	0	49,003	422	0	0	0	0	0
2089	1,156	48,864	0	49,687	428	0	0	0	0	0
2090	1,172	49,538	0	50,371	434	0	0	0	0	0
2091	1,188	50,212	0	51,055	440	0	0	0	0	0
2092	1,204	50,886	0	51,739	446	0	0	0	0	0
2093	1,220	51,560	0	52,423	452	0	0	0	0	0
2094	1,236	52,234	0	53,107	458	0	0	0	0	0
2095	1,252	52,908	0	53,791	464	0	0	0	0	0
2096	1,268	53,582	0	54,475	470	0	0	0	0	0
2097	1,284	54,256	0	55,159	476	0	0	0	0	0
2098	1,300	54,930	0	55,843	482	0	0	0	0	0
2099	1,316	55,604	0	56,527	488	0	0	0	0	0
2100	1,332	56,278	0	57,211	494	0	0	0	0	0
2101	1,348	56,952	0	57,895	500	0	0	0	0	0
2102	1,364	57,626	0	58,579	506	0	0	0	0	0
2103	1,380	58,300	0	59,263	512	0	0	0	0	0
2104	1,396	58,974	0	59,947	518	0	0	0	0	0
2105	1,412	59,648	0	60,631	524	0	0	0	0	0
2106	1,428	60,322	0	61,315	530	0	0	0	0	0
2107	1,444	60,996	0	62,000	536	0	0	0	0	0
2108	1,460	61,670	0	62,684	542	0	0	0	0	0
2109	1,476	62,344	0	63,368	548	0	0	0	0	0
2110	1,492	63,018	0	64,052	554	0	0	0	0	0
2111	1,508	63,692	0	64,736	560	0	0	0	0	0
2112	1,524	64,366	0	65,420	566	0	0	0	0	0
2113	1,540	65,040	0	66,104	572	0	0	0	0	0
2114	1,556	65,714	0	66,788	578	0	0	0	0	0
2115	1,572	66,388	0	67,472	584	0	0	0	0	0
2116	1,588	67,062	0	68,156	590	0	0	0	0	0
2117	1,604	67,736	0	68,840	596	0	0	0	0	0
2118	1,620	68,410	0	69,524	602	0	0	0	0	0
2119	1,636	69,084	0	70,208	608	0	0	0	0	0
2120	1,652	69,758	0	70,892	614	0	0	0	0	0
2121	1,668	70,432	0	71,576	620	0	0	0	0	0
2122	1,684	71,106	0	72,260	626	0	0	0	0	0
2123	1,700	71,780	0	72,944	632	0	0	0	0	0
2124	1,716	72,454	0	73,628	638	0	0	0	0	0
2125	1,732	73,128	0	74,312	644	0	0	0	0	0
2126	1,748	73,802	0	74,996	650	0	0	0	0	0
2127	1,764	74,476	0	75,680	656	0	0	0	0	0
2128	1,780	75,150	0	76,364	662	0	0	0	0	0
2129	1,796	75,824	0	77,048	668	0	0	0	0	0
2130	1,812	76,498	0	77,732	674	0	0	0	0	0
2131	1,828	77,172	0	78,416	680	0	0	0	0	0
2132	1,844	77,846	0	79,100	686	0	0	0	0	0
2133	1,860	78,520	0	79,784	692	0	0	0	0	0
2134	1,876	79,194	0	80,468	698	0	0	0	0	0
2135	1,892	79,868	0	81,152	704	0	0	0	0	0
2136	1,908	80,542	0	81,836	710	0	0	0	0	0
2137	1,924	81,216	0	82,520	716	0	0	0	0	0
2138	1,940	81,890	0	83,204	722	0	0	0	0	0
2139	1,956	82,564	0	83,888	728	0	0	0	0	0
2140	1,972	83,238	0	84,572	734	0	0	0	0	0
2141	1,988	83,912	0	85,256	740	0	0	0	0	0
2142	2,004	84,586	0	85,940	746	0	0	0	0	0
2143	2,020	85,260	0	86,624	752	0	0	0	0	0
2144	2,036	85,934	0	87,308	758	0	0	0	0	0
2145	2,052	86,608	0	87,992	764	0	0	0	0	0
2146	2,068	87,282	0	88,676	770	0	0	0	0	0
2147	2,084	87,956	0	89,360	776	0	0	0	0	0
2148	2,100	88,630	0	90,044	782	0	0	0	0	0
2149	2,116	89,304	0	90,728	788	0	0	0	0	0
2150	2,132	89,978	0	91,412	794	0	0	0	0	0
2151										

INPUT DATA - PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

Year	(1) CPP%	(2) PPI-CAPI%	(3) O&M%	(4) Fuel (cents/kwh)	(5) Capacity Factor	(6) Blended Cap. Rate	(7a) Onpeak Energy Charge (cents/kwh)	(7b) Offpeak Energy Charge (cents/kwh)	(8) Demand Charge (\$/kw)
2017	2.50	2.50	2.50	0.00	0.00	2.00	4.90	4.90	12.56
2018	2.50	2.50	2.50	0.00	0.00	2.00	4.81	4.81	13.11
2019	2.50	2.50	2.50	0.00	0.00	2.00	5.15	5.15	13.35
2020	2.50	2.50	2.50	0.00	0.00	2.00	5.14	5.14	13.29
2021	2.50	2.50	2.50	0.00	0.00	2.00	5.28	5.28	14.83
2022	2.50	2.50	2.50	0.00	0.00	2.00	5.27	5.27	15.25
2023	2.50	2.50	2.50	0.00	0.00	2.00	5.62	5.62	15.82
2024	2.50	2.50	2.50	0.00	0.00	2.00	5.79	5.79	16.46
2025	2.50	2.50	2.50	0.00	0.00	2.00	6.02	6.02	17.35
2026	2.50	2.50	2.50	0.00	0.00	2.00	6.22	6.22	17.93
2027	2.50	2.50	2.50	2.93	49.17	2.00	6.52	6.52	19.03
2028	2.50	2.50	2.50	3.15	81.19	2.00	6.70	6.70	19.33
2029	2.50	2.50	2.50	3.26	81.94	2.00	6.77	6.77	18.73
2030	2.50	2.50	2.50	3.46	80.07	2.00	6.95	6.95	18.50
2031	2.50	2.50	2.50	3.64	75.94	2.00	7.13	7.13	18.35
2032	2.50	2.50	2.50	3.83	74.20	2.00	7.46	7.46	18.41
2033	2.50	2.50	2.50	4.00	88.99	2.00	8.02	8.02	18.66
2034	2.50	2.50	2.50	4.21	89.58	2.00	8.31	8.31	18.79
2035	2.50	2.50	2.50	4.43	89.58	2.00	8.59	8.59	18.68
2036	2.50	2.50	2.50	4.59	90.60	2.00	9.25	9.25	18.77
2037	2.50	2.50	2.50	4.76	91.14	2.00	9.65	9.65	18.89
2038	2.50	2.50	2.50	4.95	91.32	2.00	10.06	10.06	18.78
2039	2.50	2.50	2.50	5.15	10.52	2.00	10.52	10.52	18.73
2040	2.50	2.50	2.50	5.37	91.24	2.00	10.94	10.94	18.76
2041	2.50	2.50	2.50	5.55	91.40	2.00	11.28	11.28	18.67
2042	2.50	2.50	2.50	5.74	91.53	2.00	11.57	11.57	18.67
2043	2.50	2.50	2.50	5.94	91.78	2.00	12.19	12.19	18.75
2044	2.50	2.50	2.50	6.15	92.07	2.00	12.70	12.70	18.83
2045	2.50	2.50	2.50	6.37	92.27	2.00	13.15	13.15	18.80
2046	2.50	2.50	2.50	6.60	92.28	2.00	13.53	13.53	18.80
2047	2.50	2.50	2.50	6.85	92.23	2.00	13.92	13.92	18.78
2048	2.50	2.50	2.50	7.06	92.23	2.00	14.36	14.36	18.75
2049	2.50	2.50	2.50	7.27	92.23	2.00	14.77	14.77	18.71
2050	2.50	2.50	2.50	7.49	92.23	2.00	15.19	15.19	18.66
2051	2.50	2.50	2.50	7.71	92.23	2.00	15.61	15.61	18.62
2052	2.50	2.50	2.50	7.94	92.23	2.00	16.07	16.07	18.58
2053	2.50	2.50	2.50	8.18	92.23	2.00	16.55	16.55	18.54
2054	2.50	2.50	2.50	8.43	92.23	2.00	17.04	17.04	18.50
2055	2.50	2.50	2.50	8.68	92.23	2.00	17.54	17.54	18.46
2056	2.50	2.50	2.50	8.94	92.23	2.00	18.06	18.06	18.42
2057	2.50	2.50	2.50	9.21	92.23	2.00	18.71	18.71	18.40
2058	2.50	2.50	2.50	9.48	92.23	2.00	19.37	19.37	18.38
2059	2.50	2.50	2.50	9.77	92.23	2.00	20.04	20.04	18.36
2060	2.50	2.50	2.50	10.06	92.23	2.00	20.72	20.72	18.35
2061	2.50	2.50	2.50	10.36	92.23	2.00	21.43	21.43	18.33
2062	2.50	2.50	2.50	10.67	92.23	2.00	22.15	22.15	18.32
2063	2.50	2.50	2.50	10.99	92.23	2.00	22.91	22.91	18.31
2064	2.50	2.50	2.50	11.32	92.23	2.00	23.68	23.68	18.29
2065	2.50	2.50	2.50	11.66	92.23	2.00	24.46	24.46	18.27
2066	2.50	2.50	2.50	12.01	92.23	2.00	25.26	25.26	18.25

Legend:

Column (1) used for:	Utility Cost
	Customer Equipment
	Supply Costs
Column (3) used for:	Customer O&M Cost
	Generator Fixed O&M
	T&D Fixed O&M
Column (6) used for:	Generator Variable O&M
	Gen. Trans. & Dist Cost

PROGRAM NAME: Commercial/Industrial Demand Reduction

YEAR	(2) MID-YEAR RATE BASE \$(000)	(3) DEBT \$(000)	(4) PREFERRED STOCK \$(000)	(5) COMMON EQUITY \$(000)	(6) INCOME TAXES \$(000)	(7) PROPERTY TAX \$(000)	(8) PROPERTY INSURANCE \$(000)	(9) DEPREC. \$(000)	(10) DEFERRED TAXES \$(000)	(11) ITC NORMALIZATION \$(000)	(12) TOTAL FIXED CHARGES \$(000)	(13) PRESENT WORTH FIXED CHARGES \$(000)	(14) CUMULATIVE PW FIXED CHARGES \$(000)	(15) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2027	76,184	1,590	0	4,790	6,966	1,419	49	1,961	(3,882)	0	12,893	12,893	12,893	78,425
2028	67,195	1,403	0	4,225	15,425	1,384	47	1,961	(12,696)	0	11,748	10,922	23,815	76,465
2029	58,325	1,218	0	3,667	20,079	1,349	46	1,961	(17,701)	0	10,619	9,177	32,991	74,504
2030	52,503	1,096	0	3,301	22,568	1,313	45	1,961	(20,419)	0	9,864	7,925	40,916	72,543
2031	47,824	998	0	3,007	25,102	1,278	44	1,961	(23,138)	0	9,251	6,909	47,825	70,583
2032	44,002	919	0	2,767	25,955	1,242	43	1,961	(24,432)	0	8,743	6,070	53,896	68,622
2033	41,894	875	0	2,634	25,162	1,207	43	1,961	(23,420)	0	8,447	5,452	59,347	66,661
2034	40,643	848	0	2,556	24,402	1,171	40	1,961	(22,722)	0	8,256	4,954	64,301	64,701
2035	39,393	822	0	2,477	23,643	1,136	39	1,961	(22,024)	0	8,065	4,499	68,800	62,740
2036	38,142	796	0	2,398	22,883	1,100	38	1,961	(21,326)	0	7,874	4,083	72,883	60,780
2037	36,892	770	0	2,320	22,124	1,065	36	1,961	(20,628)	0	7,684	3,704	76,587	58,819
2038	35,641	744	0	2,241	21,365	1,029	35	1,961	(19,930)	0	7,493	3,358	79,944	56,858
2039	34,390	718	0	2,162	20,605	994	34	1,961	(19,232)	0	7,302	3,042	82,986	54,898
2040	33,140	692	0	2,084	19,846	958	33	1,961	(18,534)	0	7,111	2,754	85,740	52,937
2041	31,889	666	0	2,005	19,086	923	32	1,961	(17,836)	0	6,920	2,491	88,231	50,976
2042	30,639	640	0	1,927	18,327	887	30	1,961	(17,138)	0	6,729	2,252	90,484	49,016
2043	29,388	613	0	1,848	17,567	852	29	1,961	(16,440)	0	6,539	2,034	92,518	47,055
2044	28,138	587	0	1,769	16,808	816	28	1,961	(15,742)	0	6,348	1,836	94,354	45,094
2045	26,887	561	0	1,691	16,048	781	27	1,961	(15,044)	0	6,157	1,655	96,009	43,134
2046	25,637	535	0	1,612	15,289	745	26	1,961	(14,346)	0	5,966	1,491	97,501	41,173
2047	24,386	509	0	1,533	14,530	710	24	1,961	(13,648)	0	5,775	1,342	98,843	39,213
2048	23,135	483	0	1,455	13,770	674	23	1,961	(12,950)	0	5,584	1,206	100,049	37,252
2049	21,885	457	0	1,376	13,011	639	22	1,961	(12,252)	0	5,394	1,083	101,132	35,291
2050	20,634	431	0	1,297	12,251	603	21	1,961	(11,554)	0	5,203	971	102,103	33,331
2051	19,384	405	0	1,219	11,492	568	19	1,961	(10,856)	0	5,012	870	102,973	31,370
2052	18,133	379	0	1,140	10,732	532	18	1,961	(10,158)	0	4,821	778	103,751	29,409
2053	16,883	352	0	1,062	9,973	497	17	1,961	(9,460)	0	4,630	694	104,445	27,449
2054	15,632	326	0	983	9,213	461	16	1,961	(8,762)	0	4,440	619	105,064	25,488
2055	14,381	300	0	904	8,454	426	15	1,961	(8,064)	0	4,249	551	105,615	23,528
2056	13,131	274	0	826	7,694	390	13	1,961	(7,366)	0	4,058	489	106,104	21,567
2057	11,880	248	0	747	6,935	355	12	1,961	(6,668)	0	3,867	433	106,537	19,606
2058	10,630	222	0	668	6,176	319	11	1,961	(5,970)	0	3,676	383	106,920	17,646
2059	9,379	196	0	590	5,416	284	10	1,961	(5,272)	0	3,485	337	107,257	15,685
2060	8,129	170	0	511	4,657	248	10	1,961	(4,574)	0	3,331	300	107,557	13,725
2061	6,878	144	0	432	3,897	212	10	1,961	(3,876)	0	3,177	266	107,823	11,765
2062	5,628	117	0	354	3,138	176	10	1,961	(3,178)	0	3,023	235	108,058	9,805
2063	4,377	91	0	275	2,378	140	10	1,961	(2,480)	0	2,869	207	108,265	7,845
2064	3,126	65	0	197	1,619	104	10	1,961	(1,782)	0	2,715	182	108,448	5,885
2065	1,876	39	0	118	859	68	10	1,961	(1,084)	0	2,561	160	108,608	3,925
2066	625	13	0	39	100	28	10	1,961	(406)	0	2,407	140	108,748	1,965

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1.38664

K-FACTOR = CPWFC / IN-SVC COST =

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40.4%	5.2%
P/S	0.0%	0.0%
C/S	59.6%	10.55%

IN SERVICE COST (\$000)	78,425
IN SERVICE YEAR	2027
BOOK LIFE (YRS)	40
EFFECT. TAX RATE	38.575%
DISCOUNT RATE	7.57%
PROPERTY TAX	1.81%
PROPERTY INSURANCE	0.062%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION (\$000)	ACCUMULATED TAX DEPRECIATION (\$000)	BOOK DEPRECIATION (\$000)	ACCUMULATED BOOK DEPRECIATION (\$000)	BOOK DEPRECIATION FOR DEFERRED TAX (\$000)	ACCUMULATED BOOK DEPR FOR DEFERRED TAX (\$000)	DEFERRED TAX DUE TO DEPRECIATION (\$000)	TOTAL EQUITY AFUDC (\$000)	BOOK DEPR RATE MINUS 1/LIFE	(10)*(11) TAX RATE (\$000)	SALVAGE TAX RATE (\$000)	ANNUAL DEFERRED TAX (9%*(12)+(13)) (\$000)	ACCUMULATED DEFERRED TAX (\$000)
2027	20.00%	15,431	15,431	1,961	1,961	1,961	1,961	(3,882)	4,795	0	0	0	(3,882)	(7,522)
2028	32.00%	24,690	40,121	1,961	3,921	1,961	3,921	(12,696)	4,795	0	0	0	(12,696)	(15,218)
2029	19.20%	14,814	54,935	1,961	5,882	1,961	5,882	(17,701)	4,795	0	0	0	(17,701)	(32,919)
2030	11.52%	8,888	63,824	1,961	7,843	1,961	7,843	(20,419)	4,795	0	0	0	(20,419)	(53,339)
2031	11.52%	8,888	72,712	1,961	9,803	1,961	9,803	(23,138)	4,795	0	0	0	(23,138)	(76,477)
2032	5.76%	4,444	77,156	1,961	11,764	1,961	11,764	(24,142)	4,795	0	0	0	(24,142)	(100,619)
2033	0.00%	0	77,156	1,961	13,724	1,961	13,724	(23,432)	4,795	0	0	0	(23,432)	(124,051)
2034	0.00%	0	77,156	1,961	15,685	1,961	15,685	(22,722)	4,795	0	0	0	(22,722)	(146,774)
2035	0.00%	0	77,156	1,961	17,646	1,961	17,646	(22,012)	4,795	0	0	0	(22,012)	(168,786)
2036	0.00%	0	77,156	1,961	19,606	1,961	19,606	(21,302)	4,795	0	0	0	(21,302)	(190,088)
2037	0.00%	0	77,156	1,961	21,567	1,961	21,567	(20,592)	4,795	0	0	0	(20,592)	(210,680)
2038	0.00%	0	77,156	1,961	23,528	1,961	23,528	(19,882)	4,795	0	0	0	(19,882)	(230,562)
2039	0.00%	0	77,156	1,961	25,488	1,961	25,488	(19,172)	4,795	0	0	0	(19,172)	(249,734)
2040	0.00%	0	77,156	1,961	27,449	1,961	27,449	(18,462)	4,795	0	0	0	(18,462)	(268,195)
2041	0.00%	0	77,156	1,961	29,409	1,961	29,409	(17,752)	4,795	0	0	0	(17,752)	(285,947)
2042	0.00%	0	77,156	1,961	31,370	1,961	31,370	(17,042)	4,795	0	0	0	(17,042)	(302,989)
2043	0.00%	0	77,156	1,961	33,331	1,961	33,331	(16,332)	4,795	0	0	0	(16,332)	(319,320)
2044	0.00%	0	77,156	1,961	35,291	1,961	35,291	(15,622)	4,795	0	0	0	(15,622)	(334,942)
2045	0.00%	0	77,156	1,961	37,252	1,961	37,252	(14,911)	4,795	0	0	0	(14,911)	(349,853)
2046	0.00%	0	77,156	1,961	39,213	1,961	39,213	(14,201)	4,795	0	0	0	(14,201)	(364,055)
2047	0.00%	0	77,156	1,961	41,173	1,961	41,173	(13,491)	4,795	0	0	0	(13,491)	(377,546)
2048	0.00%	0	77,156	1,961	43,134	1,961	43,134	(12,781)	4,795	0	0	0	(12,781)	(390,327)
2049	0.00%	0	77,156	1,961	45,094	1,961	45,094	(12,071)	4,795	0	0	0	(12,071)	(402,398)
2050	0.00%	0	77,156	1,961	47,055	1,961	47,055	(11,361)	4,795	0	0	0	(11,361)	(413,760)
2051	0.00%	0	77,156	1,961	49,016	1,961	49,016	(10,651)	4,795	0	0	0	(10,651)	(424,411)
2052	0.00%	0	77,156	1,961	50,976	1,961	50,976	(9,941)	4,795	0	0	0	(9,941)	(434,352)
2053	0.00%	0	77,156	1,961	52,937	1,961	52,937	(9,231)	4,795	0	0	0	(9,231)	(443,582)
2054	0.00%	0	77,156	1,961	54,898	1,961	54,898	(8,521)	4,795	0	0	0	(8,521)	(452,103)
2055	0.00%	0	77,156	1,961	56,858	1,961	56,858	(7,811)	4,795	0	0	0	(7,811)	(459,914)
2056	0.00%	0	77,156	1,961	58,819	1,961	58,819	(7,101)	4,795	0	0	0	(7,101)	(467,015)
2057	0.00%	0	77,156	1,961	60,780	1,961	60,780	(6,391)	4,795	0	0	0	(6,391)	(473,405)
2058	0.00%	0	77,156	1,961	62,740	1,961	62,740	(5,681)	4,795	0	0	0	(5,681)	(479,086)
2059	0.00%	0	77,156	1,961	64,701	1,961	64,701	(4,970)	4,795	0	0	0	(4,970)	(484,056)
2060	0.00%	0	77,156	1,961	66,661	1,961	66,661	(4,260)	4,795	0	0	0	(4,260)	(488,317)
2061	0.00%	0	77,156	1,961	68,622	1,961	68,622	(3,550)	4,795	0	0	0	(3,550)	(491,867)
2062	0.00%	0	77,156	1,961	70,583	1,961	70,583	(2,840)	4,795	0	0	0	(2,840)	(494,707)
2063	0.00%	0	77,156	1,961	72,543	1,961	72,543	(2,130)	4,795	0	0	0	(2,130)	(496,838)
2064	0.00%	0	77,156	1,961	74,504	1,961	74,504	(1,420)	4,795	0	0	0	(1,420)	(498,258)
2065	0.00%	0	77,156	1,961	76,465	1,961	76,465	(710)	4,795	0	0	0	(710)	(498,968)
2066	0.00%	0	77,156	1,961	78,425	1,961	78,425	(0)	4,795	0	0	0	(0)	(498,968)

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SALVAGE/REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2066
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	1,360
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4,795
BOOK DEPRECIATION RATE - USEFUL LIFE	2.50%

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**DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction**

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION (\$000)	(4) DEFERRED TAX (\$000)	(5) END OF YEAR NET PLANT IN SERVICE (\$000)	(5a)* ACCUMULATED DEPRECIATION (\$000)	(5b)* ACCUMULATED DEF TAXES (\$000)	(6) BEGINNING YEAR RATE BASE (\$000)	(7) ENDING OF YEAR RATE BASE (\$000)	(8) MID-YEAR RATE BASE (\$000)
2027	20.00%	15,431	(3,882)	76,665	1,961	(2,522)	79,785	72,582	76,184
2028	32.00%	24,690	(12,696)	74,504	3,921	(15,218)	72,582	61,808	67,195
2029	19.20%	14,814	(17,701)	72,543	5,882	(32,919)	61,808	54,843	58,325
2030	11.52%	8,888	(20,419)	70,583	7,843	(53,339)	54,843	50,163	52,503
2031	5.76%	4,444	(23,138)	68,622	9,803	(76,477)	50,163	45,484	47,824
2032	0.00%	0	(24,142)	66,661	11,764	(100,619)	45,484	42,519	44,002
2033	0.00%	0	(23,432)	64,701	13,724	(124,051)	42,519	41,269	41,894
2034	0.00%	0	(22,722)	62,740	15,685	(146,774)	41,269	40,018	40,643
2035	0.00%	0	(22,012)	60,780	17,646	(168,786)	40,018	38,767	39,393
2036	0.00%	0	(21,302)	58,819	19,606	(190,088)	38,767	37,517	38,142
2037	0.00%	0	(20,592)	56,858	21,567	(210,680)	37,517	36,266	36,892
2038	0.00%	0	(19,882)	54,898	23,528	(230,562)	36,266	35,016	35,641
2039	0.00%	0	(19,172)	52,937	25,488	(249,734)	35,016	33,765	34,390
2040	0.00%	0	(18,462)	50,976	27,449	(268,195)	33,765	32,515	33,140
2041	0.00%	0	(17,752)	49,016	29,409	(285,947)	32,515	31,264	31,889
2042	0.00%	0	(17,042)	47,055	31,370	(302,989)	31,264	30,013	30,639
2043	0.00%	0	(16,332)	45,094	33,331	(319,320)	30,013	28,763	29,388
2044	0.00%	0	(15,622)	43,134	35,291	(334,942)	28,763	27,512	28,138
2045	0.00%	0	(14,911)	41,173	37,252	(349,853)	27,512	26,262	26,887
2046	0.00%	0	(14,201)	39,213	39,213	(364,055)	26,262	25,011	25,637
2047	0.00%	0	(13,491)	37,252	41,173	(377,546)	25,011	23,761	24,386
2048	0.00%	0	(12,781)	35,291	43,134	(390,327)	23,761	22,510	23,135
2049	0.00%	0	(12,071)	33,331	45,094	(402,398)	22,510	21,260	21,885
2050	0.00%	0	(11,361)	31,370	47,055	(413,760)	21,260	20,009	20,654
2051	0.00%	0	(10,651)	29,409	49,016	(424,411)	20,009	18,758	19,384
2052	0.00%	0	(9,941)	27,449	50,976	(434,352)	18,758	17,508	18,133
2053	0.00%	0	(9,231)	25,488	52,937	(443,582)	17,508	16,257	16,883
2054	0.00%	0	(8,521)	23,528	54,898	(452,103)	16,257	15,007	15,632
2055	0.00%	0	(7,811)	21,567	56,858	(459,914)	15,007	13,756	14,381
2056	0.00%	0	(7,101)	19,606	58,819	(467,015)	13,756	12,506	13,131
2057	0.00%	0	(6,391)	17,646	60,780	(473,405)	12,506	11,255	11,880
2058	0.00%	0	(5,681)	15,685	62,740	(479,086)	11,255	10,004	10,630
2059	0.00%	0	(4,970)	13,724	64,701	(484,056)	10,004	8,754	9,379
2060	0.00%	0	(4,260)	11,764	66,661	(488,317)	8,754	7,503	8,129
2061	0.00%	0	(3,550)	9,803	68,622	(491,867)	7,503	6,253	6,878
2062	0.00%	0	(2,840)	7,843	70,583	(494,707)	6,253	5,002	5,628
2063	0.00%	0	(2,130)	5,882	72,543	(496,838)	5,002	3,752	4,377
2064	0.00%	0	(1,420)	3,921	74,504	(498,258)	3,752	2,501	3,126
2065	0.00%	0	(710)	1,961	76,465	(498,968)	2,501	1,251	1,876
2066	0.00%	0	(0)	(0)	78,425	(498,968)	1,251	(0)	625

* Column not specified in workbook

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(1) YEAR	(2) NO. YEARS BEFORE IN-SERVICE	(3) PLANT ESCALATION RATE	(4) CUMULATIVE ESCALATION FACTOR	(5) YEARLY EXPENDITURE (%)	(6) ANNUAL SPENDING (\$/KW)	(7) CUMULATIVE AVERAGE SPENDING (\$/KW)	(8) CUMULATIVE SPENDING WITH AFUDC (\$/KW)	(8a)* DEBT AFUDC (\$/KW)	(8b)* CUMULATIVE DEBT AFUDC (\$/KW)	(9) YEARLY TOTAL AFUDC (\$/KW)	(9a)* CUMULATIVE TOTAL AFUDC (\$/KW)	(9b)* CONSTRUCTION PERIOD INTEREST (\$/KW)	(9c)* CUMULATIVE CPI (\$/KW)	(9d)* DEFERRED TAXES (\$/KW)	(9e)* CUMULATIVE DEFERRED TAXES (\$/KW)	(10) INCREMENTAL YEAR-END BOOK VALUE (\$/KW)	(11) CUMULATIVE YEAR-END BOOK VALUE (\$/KW)	
2017	-10	0.0%	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2018	-9	2.5%	1.025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2019	-8	2.5%	1.051	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2020	-7	2.5%	1.077	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021	-6	2.5%	1.104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022	-5	2.5%	1.131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2023	-4	2.5%	1.160	0.22	1.61	0.80	0.01	0.01	0.05	0.05	0.04	0.04	0.01	0.01	0.01	1.66	1.66	
2024	-3	2.5%	1.189	17.56	132.77	67.99	1.02	4.31	3.51	4.36	3.55	3.51	3.55	0.97	0.98	137.08	138.74	
2025	-2	2.5%	1.218	49.19	381.24	324.99	5.88	20.82	20.82	25.19	16.79	16.79	20.35	5.58	5.58	402.07	540.80	
2026	-1	2.5%	1.249	33.04	262.45	646.84	15.75	42.26	42.26	67.45	33.42	33.42	53.77	14.66	14.66	304.71	845.51	
							100.00		778.06									
									67.45		53.77		14.66				845.51	

IN-SERVICE YEAR	PLANT COSTS	AFUDC RATE	CONSTRUCTION CASH	BOOK BASIS FOR DEF TAX	TAX BASIS
2017	636	6.34%	72,169	72,169	72,169
2024			4,795	1,461	4,987
TOTAL			78,425	73,630	77,156

IN-SERVICE YEAR	PLANT COSTS	AFUDC RATE	CONSTRUCTION CASH	BOOK BASIS FOR DEF TAX	TAX BASIS
2017	636	6.34%	72,169	72,169	72,169
2024			4,795	1,461	4,987
TOTAL			78,425	73,630	77,156

* Column not specified in workbook

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INPUT DATA -- PART 2
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

(1) YEAR	(2) CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	(3) ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	(4) UTILITY AVERAGE SYSTEM FUEL COST (C/KWH)	(5) AVOIDED MARGINAL FUEL COST (C/KWH)	(6)* INCREASED MARGINAL FUEL COST (C/KWH)	(7) REPLACEMENT FUEL COST (C/KWH)	(8) PROGRAM KW EFFECTIVENESS FACTOR	(9) PROGRAM KWH EFFECTIVENESS FACTOR
2017	7,598	7,598	2.79	8.73	2.79	0.00	1.00	1.00
2018	15,196	15,196	2.21	6.34	2.21	0.00	1.00	1.00
2019	22,794	22,794	2.83	11.01	2.83	0.00	1.00	1.00
2020	30,392	30,392	2.48	5.19	2.48	0.00	1.00	1.00
2021	37,990	37,990	2.67	4.89	2.67	0.00	1.00	1.00
2022	45,588	45,588	2.47	3.68	2.47	0.00	1.00	1.00
2023	53,186	53,186	2.62	3.89	2.62	0.00	1.00	1.00
2024	60,784	60,784	2.76	4.88	2.76	0.00	1.00	1.00
2025	68,382	68,382	2.90	5.62	2.90	0.00	1.00	1.00
2026	75,980	75,980	3.03	6.36	3.03	0.00	1.00	1.00
2027	75,980	75,980	3.19	7.64	3.19	3.30	1.00	1.00
2028	75,980	75,980	3.34	11.04	3.34	3.52	1.00	1.00
2029	75,980	75,980	3.44	11.03	3.44	3.66	1.00	1.00
2030	75,980	75,980	3.49	9.68	3.49	3.73	1.00	1.00
2031	75,980	75,980	3.51	6.60	3.51	3.80	1.00	1.00
2032	75,980	75,980	3.56	6.68	3.56	4.00	1.00	1.00
2033	75,980	75,980	3.60	5.62	3.60	4.40	1.00	1.00
2034	75,980	75,980	3.69	5.47	3.69	4.61	1.00	1.00
2035	75,980	75,980	3.76	5.40	3.76	4.82	1.00	1.00
2036	75,980	75,980	3.83	5.33	3.83	4.99	1.00	1.00
2037	75,980	75,980	3.90	5.62	3.90	5.15	1.00	1.00
2038	75,980	75,980	3.98	5.51	3.98	5.35	1.00	1.00
2039	75,980	75,980	4.06	5.77	4.06	5.57	1.00	1.00
2040	75,980	75,980	4.13	5.89	4.13	5.78	1.00	1.00
2041	75,980	75,980	4.22	6.02	4.22	5.98	1.00	1.00
2042	75,980	75,980	4.29	5.92	4.29	6.13	1.00	1.00
2043	75,980	75,980	4.40	6.08	4.40	6.36	1.00	1.00
2044	75,980	75,980	4.47	5.98	4.47	6.57	1.00	1.00
2045	75,980	75,980	4.57	6.21	4.57	6.80	1.00	1.00
2046	75,980	75,980	4.64	5.94	4.64	7.02	1.00	1.00
2047	75,980	75,980	4.74	6.32	4.74	7.28	1.00	1.00
2048	75,980	75,980	4.83	6.45	4.83	7.50	1.00	1.00
2049	75,980	75,980	4.93	6.58	4.93	7.72	1.00	1.00
2050	75,980	75,980	5.03	6.71	5.03	7.95	1.00	1.00
2051	75,980	75,980	5.13	6.84	5.13	8.18	1.00	1.00
2052	75,980	75,980	5.23	6.98	5.23	8.43	1.00	1.00
2053	75,980	75,980	5.34	7.12	5.34	8.68	1.00	1.00
2054	75,980	75,980	5.44	7.26	5.44	8.94	1.00	1.00
2055	75,980	75,980	5.55	7.41	5.55	9.20	1.00	1.00
2056	75,980	75,980	5.66	7.55	5.66	9.47	1.00	1.00
2057	75,980	75,980	5.78	7.70	5.78	9.76	1.00	1.00
2058	75,980	75,980	5.89	7.86	5.89	10.05	1.00	1.00
2059	75,980	75,980	6.01	8.02	6.01	10.34	1.00	1.00
2060	75,980	75,980	6.13	8.18	6.13	10.65	1.00	1.00
2061	75,980	75,980	6.25	8.34	6.25	10.97	1.00	1.00
2062	75,980	75,980	6.38	8.51	6.38	11.29	1.00	1.00
2063	75,980	75,980	6.50	8.68	6.50	11.63	1.00	1.00
2064	75,980	75,980	6.63	8.85	6.63	11.98	1.00	1.00
2065	75,980	75,980	6.77	9.03	6.77	12.33	1.00	1.00
2066	75,980	75,980	6.90	9.21	6.90	12.70	1.00	1.00

* THIS COLUMN IS USED ONLY FOR LOAD SHIFTING PROGRAMS WHICH SHIFT CONSUMPTION TO OFF-PEAK PERIODS.
THE VALUES REPRESENT THE OFF PEAK SYSTEM FUEL COSTS.

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AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

YEAR	(2) AVOIDED GEN UNIT CAPACITY COST \$(000)	(3) AVOIDED GEN UNIT FIXED O&M \$(000)	(4) AVOIDED GEN UNIT VARIABLE O&M \$(000)	(5) AVOIDED GEN UNIT FUEL COST \$(000)	(6) REPLACEMENT FUEL COST \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	0	0	0	0	0	0
2020	0	0	0	0	0	0
2021	0	0	0	0	0	0
2022	0	0	0	0	0	0
2023	0	0	0	0	0	0
2024	0	0	0	0	0	0
2025	0	0	0	0	0	0
2026	0	0	0	0	0	0
2027	12,893	5,026	109	11,706	13,168	16,566
2028	11,748	5,152	185	20,780	23,234	14,631
2029	10,619	5,280	192	21,705	24,361	13,434
2030	9,864	5,412	192	22,510	24,241	13,738
2031	9,251	5,548	187	22,460	23,416	14,029
2032	8,743	5,686	187	23,091	24,104	13,604
2033	8,447	5,829	230	23,823	21,808	11,620
2034	8,256	5,974	237	30,643	33,533	11,578
2035	8,065	6,124	243	33,083	35,083	11,593
2036	7,874	6,277	252	33,789	36,704	11,488
2037	7,684	6,434	260	35,250	38,160	11,467
2038	7,493	6,595	267	36,729	39,667	11,416
2039	7,302	6,759	273	38,188	41,280	11,242
2040	7,111	6,928	280	39,811	42,880	11,250
2041	6,920	7,102	287	41,217	44,388	11,138
2042	6,729	7,279	295	42,689	45,882	11,411
2043	6,539	7,461	303	44,297	47,429	11,171
2044	6,348	7,648	312	46,008	49,150	11,165
2045	6,157	7,839	320	47,757	50,943	11,130
2046	5,966	8,035	328	49,487	52,614	11,203
2047	5,775	8,236	336	51,334	54,548	11,132
2048	5,584	8,442	345	52,907	56,167	11,111
2049	5,394	8,653	353	54,481	57,838	11,042
2050	5,203	8,869	362	56,130	59,554	11,009
2051	5,012	9,091	371	57,778	61,323	10,929
2052	4,821	9,318	381	59,502	63,144	10,878
2053	4,630	9,551	390	61,301	65,025	10,847
2054	4,440	9,790	400	63,174	66,958	10,845
2055	4,249	10,034	410	65,048	68,944	10,796
2056	4,058	10,285	420	66,996	70,998	10,761
2057	3,867	10,542	431	69,019	73,104	10,756
2058	3,676	10,806	441	71,043	75,277	10,689
2059	3,485	11,076	452	73,216	77,517	10,712
2060	3,331	11,353	464	75,389	79,818	10,719
2061	3,177	11,637	475	77,637	82,194	10,733
2062	3,023	11,928	487	79,960	84,637	10,762
2063	2,869	12,226	499	82,359	87,147	10,806
2064	2,715	12,532	512	84,832	89,740	10,850
2065	2,561	12,845	525	87,379	92,408	10,902
2066	2,407	13,166	538	90,002	95,158	10,954

NOM	244,286	338,765	13,532	2,048,771	2,183,247	462,106
NPV	52,421.17	43,950.67	1,676	232,537	249,965	80,619

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV. REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

(1) YEAR	(2) AVOIDED TRANSMISSION CAP.COST \$(000)	(3) AVOIDED TRANSMISSION O&M.COST \$(000)	(4) TOTAL AVOIDED TRANSMISSION COST \$(000)	(5) AVOIDED DISTRIBUTION CAP.COST \$(000)	(6) AVOIDED DISTRIBUTION O&M.COST \$(000)	(7) TOTAL AVOIDED DISTRIBUTION COST \$(000)	(8) PROGRAM FUEL SAVINGS \$(000)	(8a)* PROGRAM OFF-PEAK PAYBACK \$(000)
2017	0	0	0	0	0	0	4	0
2018	0	0	0	0	0	0	9	0
2019	0	0	0	0	0	0	27	0
2020	0	0	0	0	0	0	17	0
2021	0	0	0	0	0	0	21	0
2022	0	0	0	0	0	0	19	0
2023	0	0	0	0	0	0	23	0
2024	0	0	0	0	0	0	34	0
2025	0	0	0	0	0	0	45	0
2026	0	0	0	0	0	0	58	0
2027	0	0	0	0	0	0	74	0
2028	0	0	0	0	0	0	109	0
2029	0	0	0	0	0	0	109	0
2030	0	0	0	0	0	0	94	0
2031	0	0	0	0	0	0	62	0
2032	0	0	0	0	0	0	65	0
2033	0	0	0	0	0	0	52	0
2034	0	0	0	0	0	0	50	0
2035	0	0	0	0	0	0	49	0
2036	0	0	0	0	0	0	49	0
2037	0	0	0	0	0	0	52	0
2038	0	0	0	0	0	0	50	0
2039	0	0	0	0	0	0	53	0
2040	0	0	0	0	0	0	54	0
2041	0	0	0	0	0	0	55	0
2042	0	0	0	0	0	0	54	0
2043	0	0	0	0	0	0	55	0
2044	0	0	0	0	0	0	54	0
2045	0	0	0	0	0	0	56	0
2046	0	0	0	0	0	0	54	0
2047	0	0	0	0	0	0	57	0
2048	0	0	0	0	0	0	58	0
2049	0	0	0	0	0	0	60	0
2050	0	0	0	0	0	0	61	0
2051	0	0	0	0	0	0	62	0
2052	0	0	0	0	0	0	63	0
2053	0	0	0	0	0	0	65	0
2054	0	0	0	0	0	0	66	1
2055	0	0	0	0	0	0	67	1
2056	0	0	0	0	0	0	69	1
2057	0	0	0	0	0	0	70	1
2058	0	0	0	0	0	0	71	1
2059	0	0	0	0	0	0	73	1
2060	0	0	0	0	0	0	74	1
2061	0	0	0	0	0	0	76	1
2062	0	0	0	0	0	0	77	1
2063	0	0	0	0	0	0	79	1
2064	0	0	0	0	0	0	80	1
2065	0	0	0	0	0	0	82	1
2066	0	0	0	0	0	0	84	1

NOM	0	0.00	0	0	0	0	2,902	19
NPV	0	0	0	0	0	0	609	3

* THESE VALUES REPRESENT THE COST OF THE INCREASED FUEL CONSUMPTION DUE TO GREATER OFF-PEAK ENERGY USAGE. USED FOR LOAD SHIFTING PROGRAMS ONLY.

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV. REQ.
PROGRAM NAME: Commercial/Industrial Demand Reduction

YEAR	(2) AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	(3) REPLACEMENT EMISSION COST \$(000)	(4) PROGRAM EMISSION BENEFIT \$(000)	(5) OFF-PEAK EMISSION PAYBACK COST \$(000)	(6) NET EMISSION BENEFIT \$(000)
2017	0	0	0	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0
2021	0	0	0	0	0
2022	0	0	0	0	0
2023	0	0	0	0	0
2024	0	0	0	0	0
2025	0	0	0	0	0
2026	0	0	0	0	0
2027	2	2	0	0	(0)
2028	781	869	1	0	(87)
2029	930	1,035	1	0	(104)
2030	1,587	1,766	2	0	(177)
2031	2,076	2,311	3	0	(231)
2032	2,659	2,959	4	0	(296)
2033	4,041	4,498	5	0	(451)
2034	5,053	5,602	7	0	(562)
2035	6,116	6,807	8	0	(683)
2036	6,915	7,696	9	0	(772)
2037	7,769	8,646	10	0	(867)
2038	8,688	9,669	11	0	(970)
2039	9,682	10,776	13	0	(1,081)
2040	10,788	12,007	14	0	(1,204)
2041	11,630	12,943	15	0	(1,298)
2042	12,553	13,949	16	0	(1,399)
2043	13,525	15,052	17	0	(1,510)
2044	14,601	16,250	19	0	(1,630)
2045	15,747	17,526	20	0	(1,758)
2046	16,949	18,863	22	0	(1,893)
2047	18,231	20,290	23	0	(2,036)
2048	19,621	21,836	25	0	(2,191)
2049	21,116	23,501	27	0	(2,358)
2050	22,727	25,293	29	0	(2,538)
2051	23,863	26,558	31	0	(2,665)
2052	25,024	27,850	32	0	(2,794)
2053	26,209	29,169	34	0	(2,927)
2054	27,416	30,512	35	0	(3,061)
2055	28,642	31,876	37	0	(3,198)
2056	29,885	33,260	38	0	(3,337)
2057	31,142	34,659	40	0	(3,477)
2058	32,412	36,072	42	0	(3,619)
2059	33,690	37,495	43	0	(3,762)
2060	34,974	38,924	45	0	(3,905)
2061	36,261	40,356	46	0	(4,049)
2062	37,548	41,788	48	1	(4,193)
2063	38,830	43,216	50	1	(4,336)
2064	40,106	44,635	51	1	(4,478)
2065	41,370	46,042	53	1	(4,619)
2066	42,619	47,432	55	1	(4,759)

NOM	763,739	849,988	983	11	(85,276)
NPV	62,642	69,717	81	1	(6,994)

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TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) PARTICIPANT PROGRAM COSTS \$(000)	(5) OTHER COSTS \$(000)	(6) TOTAL COSTS \$(000)	(7) AVOIDED GEN UNIT BENEFITS \$(000)	(8) AVOIDED T&D BENEFITS \$(000)	(9) PROGRAM FUEL SAVINGS \$(000)	(10) OTHER BENEFITS \$(000)	(11) TOTAL BENEFITS \$(000)	(12) NET BENEFITS \$(000)	(13) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2017	0	32	0	0	32	0	0	4	0	4	(28)	(28)
2018	0	43	0	0	43	0	0	9	0	9	(33)	(59)
2019	0	54	0	0	54	0	0	27	0	27	(26)	(81)
2020	0	65	0	0	65	0	0	17	0	17	(48)	(120)
2021	0	78	0	0	78	0	0	21	0	21	(57)	(163)
2022	0	90	0	0	90	0	0	18	0	18	(72)	(212)
2023	0	104	0	0	104	0	0	23	0	23	(81)	(265)
2024	0	118	0	0	118	0	0	34	0	34	(84)	(315)
2025	0	132	0	0	132	0	0	45	0	45	(87)	(363)
2026	0	148	0	0	148	0	0	57	0	57	(90)	(410)
2027	0	123	0	0	123	16,566	0	74	(0)	16,639	16,517	7,551
2028	0	126	0	0	126	14,631	0	109	(87)	14,631	14,527	14,061
2029	0	129	0	0	129	13,434	0	108	(104)	13,439	13,310	19,606
2030	0	132	0	0	132	13,738	0	94	(177)	13,655	13,523	24,843
2031	0	136	0	0	136	14,029	0	62	(231)	13,860	13,724	29,784
2032	0	139	0	0	139	13,604	0	63	(286)	13,370	13,231	34,212
2033	0	143	0	0	143	11,620	0	52	(451)	11,221	11,078	37,659
2034	0	146	0	0	146	11,578	0	50	(562)	11,066	10,920	40,817
2035	0	150	0	0	150	11,593	0	49	(683)	10,960	10,810	43,724
2036	0	153	0	0	153	11,488	0	48	(772)	10,764	10,611	46,376
2037	0	157	0	0	157	11,467	0	51	(867)	10,650	10,493	48,814
2038	0	161	0	0	161	11,416	0	50	(970)	10,496	10,334	51,046
2039	0	165	0	0	165	11,242	0	52	(1,081)	10,214	10,049	53,064
2040	0	169	0	0	169	11,250	0	54	(1,204)	10,099	9,930	54,918
2041	0	174	0	0	174	11,138	0	55	(1,298)	9,894	9,721	56,605
2042	0	178	0	0	178	11,411	0	54	(1,399)	10,065	9,887	58,200
2043	0	182	0	0	182	11,171	0	55	(1,510)	9,716	9,533	59,630
2044	0	187	0	0	187	11,165	0	54	(1,630)	9,589	9,402	60,941
2045	0	192	0	0	192	11,130	0	56	(1,758)	9,427	9,236	62,138
2046	0	196	0	0	196	11,203	0	53	(1,893)	9,363	9,167	63,242
2047	0	201	0	0	201	11,132	0	57	(2,036)	9,154	8,952	64,245
2048	0	206	0	0	206	11,111	0	58	(2,191)	8,978	8,772	65,158
2049	0	212	0	0	212	11,042	0	59	(2,358)	8,744	8,532	65,984
2050	0	217	0	0	217	11,009	0	60	(2,538)	8,532	8,315	66,732
2051	0	222	0	0	222	10,929	0	62	(2,665)	8,326	8,104	67,410
2052	0	228	0	0	228	10,878	0	63	(2,794)	8,146	7,918	68,026
2053	0	234	0	0	234	10,847	0	64	(2,927)	7,984	7,751	68,587
2054	0	239	0	0	239	10,845	0	65	(3,061)	7,849	7,609	69,098
2055	0	245	0	0	245	10,796	0	67	(3,198)	7,665	7,419	69,562
2056	0	252	0	0	252	10,761	0	68	(3,337)	7,492	7,241	69,982
2057	0	343	0	0	343	10,756	0	69	(3,477)	7,348	7,004	70,360
2058	0	352	0	0	352	10,689	0	71	(3,619)	7,141	6,789	70,701
2059	0	361	0	0	361	10,712	0	72	(3,762)	7,023	6,662	71,012
2060	0	370	0	0	370	10,719	0	74	(3,905)	6,887	6,518	71,295
2061	0	379	0	0	379	10,733	0	75	(4,049)	6,759	6,380	71,552
2062	0	389	0	0	389	10,762	0	77	(4,193)	6,646	6,257	71,786
2063	0	398	0	0	398	10,806	0	78	(4,336)	6,548	6,150	72,001
2064	0	408	0	0	408	10,850	0	80	(4,478)	6,451	6,043	72,197
2065	0	418	0	0	418	10,902	0	81	(4,619)	6,364	5,945	72,376
2066	0	429	0	0	429	10,954	0	83	(4,759)	6,278	5,849	72,539

NOM	0	10,107	0	0	10,107	462,106.43	0	2,883	(85,276)	379,712	369,605	
NPV	0	1,692	0	0	1,692	80,619	0	605	(6,994)	74,231.03	72,539	

Discount Rate: 7.57 %
Benefit/Cost Ratio (Col(11) / Col(6)):

43.88

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**PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: Commercial/Industrial Demand Reduction**

(1) YEAR	(2) SAVINGS IN PARTICIPANTS BILLS \$(000)	(3) TAX CREDITS \$(000)	(4) UTILITY REBATES \$(000)	(5) OTHER BENEFITS \$(000)	(6) TOTAL BENEFITS \$(000)	(7) CUSTOMER EQUIPMENT COSTS \$(000)	(8) CUSTOMER O&M COSTS \$(000)	(9) OTHER COSTS \$(000)	(10) TOTAL COSTS \$(000)	(11) NET BENEFITS \$(000)	(12) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2017	3	0	327	0	330	0	0	0	0	330	330
2018	7	0	982	0	989	0	0	0	0	989	1,250
2019	13	0	1,664	0	1,678	0	0	0	0	1,678	2,699
2020	18	0	2,358	0	2,377	0	0	0	0	2,377	4,609
2021	24	0	3,032	0	3,057	0	0	0	0	3,057	6,892
2022	30	0	3,706	0	3,736	0	0	0	0	3,736	9,485
2023	37	0	4,380	0	4,417	0	0	0	0	4,417	12,337
2024	45	0	5,054	0	5,098	0	0	0	0	5,098	15,395
2025	52	0	5,727	0	5,780	0	0	0	0	5,780	18,619
2026	61	0	6,401	0	6,462	0	0	0	0	6,462	21,970
2027	67	0	6,738	0	6,805	0	0	0	0	6,805	25,250
2028	69	0	6,738	0	6,807	0	0	0	0	6,807	28,301
2029	70	0	6,738	0	6,808	0	0	0	0	6,808	31,137
2030	72	0	6,738	0	6,810	0	0	0	0	6,810	33,774
2031	73	0	6,738	0	6,811	0	0	0	0	6,811	36,226
2032	77	0	6,738	0	6,815	0	0	0	0	6,815	38,507
2033	82	0	6,738	0	6,820	0	0	0	0	6,820	40,629
2034	85	0	6,738	0	6,823	0	0	0	0	6,823	42,603
2035	88	0	6,738	0	6,826	0	0	0	0	6,826	44,438
2036	94	0	6,738	0	6,833	0	0	0	0	6,833	46,146
2037	98	0	6,738	0	6,837	0	0	0	0	6,837	47,734
2038	103	0	6,738	0	6,841	0	0	0	0	6,841	49,212
2039	107	0	6,738	0	6,845	0	0	0	0	6,845	50,587
2040	111	0	6,738	0	6,849	0	0	0	0	6,849	51,865
2041	115	0	6,738	0	6,853	0	0	0	0	6,853	53,055
2042	118	0	6,738	0	6,856	0	0	0	0	6,856	54,161
2043	124	0	6,738	0	6,862	0	0	0	0	6,862	55,190
2044	129	0	6,738	0	6,867	0	0	0	0	6,867	56,147
2045	133	0	6,738	0	6,871	0	0	0	0	6,871	57,038
2046	137	0	6,738	0	6,875	0	0	0	0	6,875	57,866
2047	141	0	6,738	0	6,879	0	0	0	0	6,879	58,637
2048	145	0	6,738	0	6,884	0	0	0	0	6,884	59,354
2049	149	0	6,738	0	6,888	0	0	0	0	6,888	60,020
2050	154	0	6,738	0	6,892	0	0	0	0	6,892	60,641
2051	158	0	6,738	0	6,896	0	0	0	0	6,896	61,217
2052	162	0	6,738	0	6,901	0	0	0	0	6,901	61,754
2053	167	0	6,738	0	6,905	0	0	0	0	6,905	62,253
2054	172	0	6,738	0	6,910	0	0	0	0	6,910	62,718
2055	177	0	6,738	0	6,915	0	0	0	0	6,915	63,150
2056	182	0	6,738	0	6,920	0	0	0	0	6,920	63,552
2057	198	0	7,075	0	7,273	0	0	0	0	7,273	63,944
2058	205	0	7,075	0	7,280	0	0	0	0	7,280	64,310
2059	212	0	7,075	0	7,287	0	0	0	0	7,287	64,650
2060	219	0	7,075	0	7,294	0	0	0	0	7,294	64,966
2061	226	0	7,075	0	7,302	0	0	0	0	7,302	65,261
2062	234	0	7,075	0	7,309	0	0	0	0	7,309	65,535
2063	242	0	7,075	0	7,317	0	0	0	0	7,317	65,790
2064	250	0	7,075	0	7,325	0	0	0	0	7,325	66,027
2065	258	0	7,075	0	7,333	0	0	0	0	7,333	66,248
2066	267	0	7,075	0	7,342	0	0	0	0	7,342	66,453

NOM	6,162	0	306,528	0	312,690	0	0	0	0	312,690	312,690
NPV	872	0	65,581	0	66,453	0	0	0	0	66,453	66,453

In Service of Gen Unit:
Discount Rate: 7.57 %
Benefit/Cost Ratio (Col(6) / Col(10)) Infinite %

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REF
PROGRAM NAME: Commercial/Industrial Demand Reduction

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) SELLBACK/ OTHER COSTS \$(000)	(7) TOTAL COSTS \$(000)	(8) AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	(9) AVOIDED T&D BENEFITS \$(000)	(10) REVENUE GAINS \$(000)	(11) OTHER BENEFITS \$(000)	(12) TOTAL BENEFITS \$(000)	(13) NET BENEFITS \$(000)	(14) CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2017	0	32	327	2	0	361	4	0	0	0	4	(357)	(357)
2018	0	43	982	6	0	1,031	9	0	0	0	9	(1,021)	(1,377)
2019	0	54	1,664	11	0	1,729	27	0	0	0	27	(1,702)	(2,777)
2020	0	65	2,358	15	0	2,439	17	0	0	0	17	(2,422)	(4,723)
2021	0	78	3,032	20	0	3,130	21	0	0	0	21	(3,109)	(7,045)
2022	0	90	3,706	25	0	3,821	18	0	0	0	18	(3,803)	(9,685)
2023	0	104	4,380	31	0	4,515	23	0	0	0	23	(4,492)	(12,584)
2024	0	118	5,054	37	0	5,208	34	0	0	0	34	(5,174)	(15,689)
2025	0	132	5,727	44	0	5,903	45	0	0	0	45	(5,858)	(18,957)
2026	0	148	6,401	50	0	6,599	57	0	0	0	57	(6,542)	(22,349)
2027	0	123	6,738	56	0	6,917	16,640	0	0	0	16,639	9,723	(17,662)
2028	0	126	6,738	57	0	6,921	14,740	0	0	(87)	14,653	7,731	(14,197)
2029	0	129	6,738	58	0	6,925	13,542	0	0	(104)	13,439	6,514	(11,484)
2030	0	132	6,738	59	0	6,930	13,832	0	0	(177)	13,655	6,725	(8,879)
2031	0	136	6,738	61	0	6,935	14,091	0	0	(231)	13,860	6,925	(6,386)
2032	0	139	6,738	64	0	6,941	13,667	0	0	(296)	13,370	6,430	(4,234)
2033	0	143	6,738	68	0	6,949	11,672	0	0	(451)	11,221	4,272	(2,905)
2034	0	146	6,738	71	0	6,955	11,628	0	0	(502)	11,066	4,111	(1,716)
2035	0	150	6,738	73	0	6,961	11,642	0	0	(683)	10,960	3,999	(641)
2036	0	153	6,738	78	0	6,970	11,536	0	0	(772)	10,764	3,794	307
2037	0	157	6,738	82	0	6,977	11,518	0	0	(867)	10,650	3,673	1,161
2038	0	161	6,738	85	0	6,982	11,466	0	0	(970)	10,496	3,511	1,919
2039	0	165	6,738	89	0	6,985	11,295	0	0	(1,081)	10,214	3,221	2,566
2040	0	169	6,738	92	0	7,000	11,304	0	0	(1,204)	10,099	3,099	3,145
2041	0	174	6,738	95	0	7,007	11,193	0	0	(1,288)	9,894	2,887	3,646
2042	0	178	6,738	98	0	7,014	11,464	0	0	(1,399)	10,065	3,051	4,138
2043	0	182	6,738	103	0	7,023	11,226	0	0	(1,510)	9,716	2,692	4,542
2044	0	187	6,738	107	0	7,032	11,219	0	0	(1,630)	9,589	2,557	4,898
2045	0	192	6,738	111	0	7,041	11,186	0	0	(1,758)	9,427	2,387	5,208
2046	0	196	6,738	114	0	7,048	11,256	0	0	(1,893)	9,363	2,315	5,487
2047	0	201	6,738	117	0	7,057	11,189	0	0	(2,036)	9,154	2,097	5,722
2048	0	206	6,738	121	0	7,065	11,169	0	0	(2,191)	8,978	1,913	5,921
2049	0	212	6,738	124	0	7,074	11,102	0	0	(2,358)	8,744	1,670	6,082
2050	0	217	6,738	127	0	7,083	11,070	0	0	(2,538)	8,532	1,449	6,213
2051	0	222	6,738	131	0	7,091	10,991	0	0	(2,665)	8,326	1,235	6,316
2052	0	228	6,738	135	0	7,101	10,940	0	0	(2,794)	8,146	1,045	6,397
2053	0	234	6,738	139	0	7,110	10,911	0	0	(2,927)	7,984	874	6,461
2054	0	239	6,738	143	0	7,120	10,910	0	0	(3,061)	7,849	728	6,510
2055	0	245	6,738	147	0	7,130	10,863	0	0	(3,198)	7,665	534	6,543
2056	0	252	6,738	151	0	7,141	10,829	0	0	(3,337)	7,492	352	6,563
2057	0	343	7,075	164	0	7,583	10,825	0	0	(3,477)	7,348	(235)	6,551
2058	0	352	7,075	170	0	7,597	10,760	0	0	(3,619)	7,141	(456)	6,528
2059	0	361	7,075	176	0	7,612	10,785	0	0	(3,762)	7,023	(589)	6,500
2060	0	370	7,075	182	0	7,627	10,793	0	0	(3,905)	6,887	(739)	6,468
2061	0	379	7,075	188	0	7,642	10,808	0	0	(4,049)	6,759	(883)	6,433
2062	0	389	7,075	194	0	7,658	10,838	0	0	(4,193)	6,646	(1,012)	6,395
2063	0	398	7,075	201	0	7,674	10,884	0	0	(4,336)	6,548	(1,126)	6,355
2064	0	408	7,075	208	0	7,691	10,929	0	0	(4,478)	6,451	(1,240)	6,315
2065	0	418	7,075	214	0	7,708	10,983	0	0	(4,619)	6,364	(1,344)	6,275
2066	0	429	7,075	221	0	7,725	11,037	0	0	(4,759)	6,278	(1,447)	6,234
NOM	0	10,107	306,528	5,114	0	321,750	464,988.96	0.00	0.00	(85,276.48)	379,712	57,963	
NPV	0	1,692	65,581	724	0	67,997	81,225	0	0	(6,994)	74,231	6,234	

7.57
1.09

Discount Rate:
Benefit/Cost Ratio (Col(12) / Col(7)):

QUESTION:

Will the CS remain cost-effective if these customers transfer? Please provide the Company's assumptions, calculations and results for all three cost-effectiveness models.

RESPONSE:

FPL has not performed such a cost-effectiveness analysis. Because CS is not a demand-side management ("DSM") program, DSM cost-effectiveness testing of this rate has not been done since 2006 (in FPSC Docket No. 20060407-EI), when the revision to CS's term of service was approved by the Commission. However, FPL believes CS would remain cost-effective because there would be no material impact from the potential transfer of the 16 customers on CS's cost-effectiveness ratios – this is because the related incremental benefits and costs for the transferring and remaining CS customers would be the same on a per interruptible kW basis as those included in the 2006 analysis.

QUESTION:

Based on the petition and the Company's answers to staff's first data request, it can be inferred that there is a subgroup of customers who qualify for CS but not the CDR.

- a. What non-firm rate options are available to new customers who do not qualify for the CDR once the CS is closed (assuming Commission approval)?
- b. To what does the Company attribute the lack of interest in the CS tariff with customers who do not qualify for the CDR since 2010?

RESPONSE:

- a. FPL currently does not offer other non-firm rate options for new customers who would not qualify for the CDR (assuming Commission approval to close the Curtailable Service rates). FPL offers customers three optional firm rates that may provide customer savings from the standard rate. These include the Time of Use rate, High Load Factor – Time of Use rate, and the Seasonal Demand – Time of Use Rider.
- b. FPL does not have any information as to why current firm service customers have not requested to become CS customers.

QUESTION:

Please state the number of load control events under the CS in the last five years.

RESPONSE:

There have been no such events in the past five years.

QUESTION:

Please provide a description of what triggers the Company to request or implement a load control event under both the CS and CDR.

RESPONSE:

CS and CDR events are triggered by the same conditions. Per CDR Tariff Sheet No. 8.681: “The Customer's controllable load served under this Rider is subject to control when such control alleviates any emergency conditions or capacity shortages, either power supply or transmission, or whenever system load, actual or projected, would otherwise require the peaking operation of the Company's generators. Peaking operation entails taking base loaded units, cycling units or combustion turbines above the continuous rated output, which may overstress the generators.”

QUESTION:

In response to staff's first data request (No. 3), the Company stated that there have been no load control events under the CDR during the past five years. What factors have influenced the Company's limited use of this option?

RESPONSE:

The purpose for CDR is to be available as "insurance" in case of system emergencies. FPL's effective planning and management of generation and the grid has enabled FPL to not need to call on CDR in the past five years. This performance has benefited the CDR participants and the general body of customers as well. In order to ensure performance readiness, FPL tests CDR participants' ability to control their loads each November if they have not been controlled during the previous twelve months.

QUESTION:

In regard to the seven customers interested in transferring to the CDR, were both the CS and CDR available at the time of their enrollment? What differences may have led to a customer who originally chose CS to desire a transfer to the CDR at this time?

RESPONSE:

Two of the CS participants enrolled prior to CDR being available. Customers historically joined CS because they desired to maintain the operational flexibility to control their loads themselves in order to meet their load reduction commitment. The customers who have expressed interest in transferring to CDR have indicated to FPL that in addition to the higher incentives offered by CDR, they believe they can now cost-effectively make operational adjustments and/or equipment upgrades to allow for the automated control required by CDR.