

Docket No. 160002-EG					
Comprehensive Exhibit List for Entry into Hearing Record					
November 2, 2016					
EXH #	Witness	I.D. # As Filed	Exhibit Description	Issue Nos.	Entered
STAFF					
1		Exhibit List	Comprehensive Exhibit List		
FLORIDA POWER & LIGHT COMPANY – DIRECT					
<i>*Notice of Adoption of Terry J. Keith's testimony and exhibits by Renae B. Deaton, filed on October 3, 2016, (FPSC DN #07927-16).</i>					
2	*Rena B. Deaton	AS-1	Schedules CT-1 and CT-4	1, 3, 4 & 5	stipulated
3	*Rena B. Deaton Anita Sharma	AS-1	Schedules CT-2 and CT-3	1, 2, 3, 4 & 5	stipulated
4	Anita Sharma	AS-1	Schedules CT-5 and CT-6, Appendix A	2	stipulated
5	*Rena B. Deaton	AS-2	Schedule C-1 and C-4	1, 3, 4 & 5	stipulated
6	*Rena B. Deaton Anita Sharma	AS-2	Schedule C-2 and C-3	1, 2, 3, 4 & 5	stipulated
7	Anita Sharma	AS-2	Schedule C-5	2	stipulated
8	*Rena B. Deaton	AS-3	Schedule C-1	1, 3, 4 & 5	stipulated
FLORIDA PUBLIC UTILITIES COMPANY – DIRECT					
9	Curtis D. Young	CDY-1 (composite)	Schedules CT-1, CT-2, CT-3, CT-4, CT-5 and CT-6	1	stipulated
10	Kira I. Lake	KIL-1 (composite)	Schedules C-1, C-2, C-3, C-4, and C-5	2 - 4	stipulated

GULF POWER COMPANY – DIRECT					
11	John N. Floyd ¹	JNF-1	Schedules CT-1 through CT-6	1, 2, 3, 4, 7	stipulated
12	John N. Floyd	JNF-2	Schedules C-1 through C-6	1, 2, 3, 4, 7	stipulated
DUKE ENERGY FLORIDA, LLC – DIRECT					
13	Lori J. Cross	LJC-1T	ECCR Adjusted Net True-Up for January - December 2015, Schedules CT1 – CT6	1, 2-4, 7	stipulated
14	Lori J. Cross	LJC-1P	Estimated/Actual True-Up, January – December 2016 and ECCR Factors for Billings in January – December 2017, Schedules C1 – C6	1, 2-4, 7	stipulated
TAMPA ELECTRIC COMPANY – DIRECT					
15	Mark R. Roche	MRR-1	Schedules supporting cost recovery factor, actual January 2015 - December 2015.	1, 2, 3, 4, 5, 6	stipulated
16	Mark R. Roche	MRR-2	Schedules supporting conservation costs projected for the period January 2017 - December 2017.	1, 2, 3, 4, 5, 6	stipulated
STAFF					
17	Anita Sharma Rena B. Deaton		FPL’s Responses to Staff’s Third Set of Interrogatories, Nos. 15-16. <i>[Bates Nos. 00001-00012]</i>	3	stipulated

¹ On October 4, 2016, Gulf filed its second amended Prepared Direct Testimony and Exhibit of John N. Floyd correcting 2015 customer participation levels for certain DSM programs. The corrections to the testimony and exhibits do not impact the final conservation cost recovery true-up amounts.

<u>Schedule</u>	<u>Sponsored By</u>
CT-1, Page 1	Terry J. Keith
CT-2, Page 1 , Lines 1 -10	Anita Sharma
CT-2, Page 1, Lines 11-18	Terry J. Keith
CT-2, Pages 2 - 5	Anita Sharma
CT-3, Page 1	Anita Sharma
CT-3, Pages 2 - 3	Terry J. Keith
CT-4, Pages 1 - 5	Terry J. Keith
CT-5, Page 1	Anita Sharma
CT-6, Pages 1 - 332	Anita Sharma
Appendix A	Anita Sharma

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 2
PARTY: FLORIDA POWER & LIGHT COMPANY – DIRECT*Notice of
Adoption of Terry J. Keith’s testimony and exhibits by Renae B.
Deaton, filed on October 3, 2016, (FPSC DN #07927-16).
DESCRIPTION: Renae B. Deaton AS-1

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
FINAL TRUE-UP FOR THE PERIOD

SCHEDULE: CT-1

JANUARY 2015 THROUGH DECEMBER 2015

	Total
1. Actual End of Period True-up (CT-3, Page 2 of 3, Lines 7 and 8)	
2. Principal	\$2,249,513
3. Interest	<u>(\$11,350)</u>
Total Actual End of Period True-up	<u>\$2,238,163</u>
4. Less Actual/Estimated True-up	
5. Principal	(\$9,591,109)
6. Interest	<u>(\$10,206)</u>
Total Actual/Estimated True-up ⁽¹⁾	<u>(\$9,601,315)</u>
7. Final Net True-up	<u>\$11,839,478</u>

⁽¹⁾ Approved per Order No. PSC-15-0542-FOF-EG issued November 23, 2015.

Note: () Reflects Underrecovery

Totals may not add due to rounding.

Schedule

Sponsored By

CT-1, Page 1

Terry J. Keith

CT-2, Page 1 , Lines 1 -10

Anita Sharma

CT-2, Page 1, Lines 11-18

Terry J. Keith

CT-2, Pages 2 - 5

Anita Sharma

CT-3, Page 1

Anita Sharma

CT-3, Pages 2 - 3

Terry J. Keith

CT-4, Pages 1 - 5

Terry J. Keith

CT-5, Page 1

Anita Sharma

CT-6, Pages 1 - 332

Anita Sharma

Appendix A

Anita Sharma

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
FINAL TRUE-UP FOR THE PERIOD

SCHEDULE: CT-1

JANUARY 2015 THROUGH DECEMBER 2015

	Total
1. Actual End of Period True-up (CT-3, Page 2 of 3, Lines 7 and 8)	
2. Principal	\$2,249,513
3. Interest	<u>(\$11,350)</u>
Total Actual End of Period True-up	<u>\$2,238,163</u>
4. Less Actual/Estimated True-up	
5. Principal	(\$9,591,109)
6. Interest	<u>(\$10,206)</u>
Total Actual/Estimated True-up ⁽¹⁾	<u>(\$9,601,315)</u>
7. Final Net True-up	<u>\$11,839,478</u>

⁽¹⁾ Approved per Order No. PSC-15-0542-FOF-EG issued November 23, 2015.

Note: () Reflects Underrecovery

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
ANALYSIS OF PROGRAM COSTS

SCHEDULE: CT-2

JANUARY 2015 THROUGH DECEMBER 2015

ACTUAL V. ACTUAL/ESTIMATE FOR THE PERIOD	Actual	Actual/Estimated (1)	Difference
1. Depreciation & Return	\$11,703,480	\$11,884,802	(\$181,322)
2. Payroll & Benefits	\$22,797,134	\$25,257,359	(\$2,460,225)
3. Materials & Supplies	\$319,783	(\$678,095)	\$997,878
4. Outside Services	\$7,454,824	\$7,226,798	\$228,026
5. Advertising	\$7,255,831	\$8,727,907	(\$1,472,076)
6. Rebates	\$155,551,284	\$163,224,062	(\$7,672,778)
7. Vehicles	\$283,999	\$319,300	(\$35,301)
8. Other	\$3,277,454	\$2,783,974	\$493,480
9. Total Adjusted Program Costs	<u>\$208,643,788</u>	<u>\$218,746,107</u>	<u>(\$10,102,319)</u>
10. ECCR Revenues (Net of Revenue Taxes)	\$205,742,038	\$204,003,736	\$1,738,302
11. Prior Period True-up (Collected)/Refunded this Period	<u>\$5,151,262</u>	<u>\$5,151,262</u>	<u>\$0</u>
12. Revenues Applicable to the Period (Line 10+ line 11)	<u>\$210,893,300</u>	<u>\$209,154,998</u>	<u>\$1,738,302</u>
13. True-up Provision (Under)/Over Recovery - Current Period (Line 12 - Line 9)	\$2,249,513	(\$9,591,109)	\$11,840,622
14. Interest Provision (Under)/Over Recovery - Current Period	(\$11,350)	(\$10,206)	(\$1,144)
15. True-up and Interest Provision (Under)/Over Recovery - Beginning of Period	\$5,151,262	\$5,151,262	\$0
16. Deferred True-up from Prior Period	(\$8,356,646)	(\$8,356,646)	\$0
17. Prior Period True-up (Collected)/Refunded this Period	<u>(\$5,151,262)</u>	<u>(\$5,151,262)</u>	<u>\$0</u>
18. End of Period True-up Amount (Under)/Over Recovery	<u>(\$6,118,484)</u>	<u>(\$17,957,961)</u>	<u>\$11,839,478</u>

(1) Approved in Order No. PSC-15-0542-FOF-EG issued November 23, 2015.

Totals may not add due to rounding.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE CT-2

JANUARY 2015 THROUGH DECEMBER 2015

PROGRAM TITLE	Depreciation and return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Sub-total	Program Revenue	Total for Period
1. Residential Home Energy Survey	\$137,576	\$4,485,532	\$59,599	\$2,000,333	\$5,132,293		\$95,971	\$626,926	\$12,538,228	\$0	\$12,538,228
2. Residential Building Envelope		\$211,795	\$35	\$207,525		\$2,702,445	\$8,264	\$21,093	\$3,151,157	\$0	\$3,151,157
3. Residential Duct System Testing & Repair		\$431,799	\$246	\$36,500		\$130,585	\$11	(\$57,772)	\$541,369	\$0	\$541,369
4. Residential Air Conditioning		\$1,458,582	\$449	\$216,070		\$30,218,603	\$59,886	(\$44,179)	\$31,909,411	\$0	\$31,909,411
5. Residential New Construction (BuildSmart®)		\$402,391	\$76	\$57,654		\$10,650		\$35,536	\$506,308	\$0	\$506,308
6. Residential Low-Income Weatherization		\$37,638	\$862	\$5,303		\$22,385		\$22,519	\$88,707	\$0	\$88,707
7. Residential Load Management ("On Call")	\$6,652,503	(\$124,527)	\$233,503	\$2,213,324		\$43,713,229	\$49,937	\$949,549	\$53,687,518	\$0	\$53,687,518
8. Business Energy Evaluation		\$4,197,924	\$3,966	\$878,043	\$2,123,538		\$47,582	\$356,246	\$7,607,297	\$0	\$7,607,297
9. Business Efficient Lighting		\$139,805	\$4	\$40,491		\$164,736		\$6,483	\$351,519	\$0	\$351,519
10. Business Heating, Ventilating & AC		\$485,208	\$56	\$117,692		\$2,074,928		\$56,851	\$2,734,736	\$0	\$2,734,736
11. Business Custom Incentive		\$26,456	\$4	\$0		\$455,168		\$2,314	\$483,941	\$0	\$483,941
12. Business Building Envelope		\$222,026	\$38	\$84,940		\$3,982,015	\$5,613	\$10,895	\$4,305,527	\$0	\$4,305,527
13. Business Water Heating		\$1,680	\$0	\$3,233		\$2,950		\$347	\$8,210	\$0	\$8,210
14. Business Refrigeration		\$14,379	\$2	\$5,649		\$6,072		\$860	\$26,962	\$0	\$26,962
15. Business On Call	\$348,505	(\$39,772)	\$1,775	\$139,821		\$3,328,430	\$674	\$41,370	\$3,820,802	\$0	\$3,820,802
16. Commercial/Industrial Load Control		\$205,135	\$4,458	\$10,846		\$39,619,944		\$41,443	\$39,881,826	\$0	\$39,881,826
17. C/I Demand Reduction		\$290,421	\$933	(\$66)		\$18,249,843		\$61,047	\$18,602,179	\$0	\$18,602,179
18. Res. Solar Water Heating Pilot		\$189,540	\$0	\$4,000		\$872,920		\$5,394	\$1,071,853	\$0	\$1,071,853
19. Res. Solar Water Heating (LINC) Pilot		\$34,737	\$0	\$0		\$286,965		\$1,604	\$323,307	\$0	\$323,307
20. Residential Photovoltaic Pilot		\$198,918	\$4	\$3,000		\$7,578,914		\$8,918	\$7,789,754	\$0	\$7,789,754
21. Business Solar Water Heating Pilot		\$19,797	\$0	\$33		\$2,520		\$167	\$22,516	\$0	\$22,516
22. Business Photovoltaic Pilot		\$44,099	\$0	\$0		\$2,127,983		\$1,099	\$2,173,181	\$0	\$2,173,181
23. Business Photovoltaic for Schools Pilot	\$1,967,494	\$111,005	\$18	\$125,936				\$12,583	\$2,217,036	\$0	\$2,217,036
24. Renewable Research & Demo Project		\$27,745	\$0	\$159,835				(\$27,516)	\$160,063	\$0	\$160,063
25. Solar Pilot Projects Common Expenses	\$408,146	\$55,510	\$0	\$0				\$909	\$464,565	\$0	\$464,565
26. Cogeneration & Small Power Production		\$540,653	\$0	(\$41,776)				(\$186,401)	\$312,476	\$0	\$312,476
27. Conservation Research & Development		\$42,202	\$0	\$227,784				\$93,931	\$363,917	\$0	\$363,917
28. Total Common Expenses	\$2,189,257	\$9,086,454	\$13,754	\$958,656			\$16,062	\$1,235,241	\$13,499,422	\$0	\$13,499,422
Recoverable Conservation Expenses	\$11,703,480	\$22,797,134	\$319,783	\$7,454,824	\$7,255,831	\$155,551,284	\$283,999	\$3,277,454	\$208,643,788	\$0	\$208,643,788

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM VARIANCE

SCHEDULE: CT-2

JANUARY 2015 THROUGH DECEMBER 2015

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Sub-Total	Program Revenue	Total for Period
1. Residential Home Energy Survey	(\$2,666)	(\$314,415)	\$58,734	\$751,591	(\$933,699)		(\$65,964)	\$57,169	(\$449,249)	\$0	(\$449,249)
2. Residential Building Envelope		\$28,229	\$4	\$28,225		\$764,465	\$4,964	\$16,867	\$842,754	\$0	\$842,754
3. Residential Duct System Testing & Repair		\$93,285	\$17	(\$1,955)		(\$12,832)		(\$16,334)	\$62,181	\$0	\$62,181
4. Residential Air Conditioning		\$199,535	\$65	(\$65,501)		(\$4,054,726)	\$10,935	\$15,820	(\$3,893,872)	\$0	(\$3,893,872)
5. Residential New Construction (BuildSmart®)		(\$33,374)		(\$19,320)		(\$7,475)	(\$5,465)	\$1,761	(\$63,873)	\$0	(\$63,873)
6. Residential Low-Income Weatherization		(\$5,880)	\$862	\$5,303		(\$9,546)		\$17,198	\$7,938	\$0	\$7,938
7. Residential Load Management ("On Call")	(\$52,244)	(\$1,481,443)	\$786,440	(\$347,025)		(\$2,396,615)	\$23,508	\$306,085	(\$3,161,294)	\$0	(\$3,161,294)
8. Business Energy Evaluation		(\$235,780)	(\$2,712)	(\$9,966)	(\$538,378)		(\$4,935)	\$27,129	(\$764,641)	\$0	(\$764,641)
9. Business Efficient Lighting		\$9,037	\$2	(\$29,590)		(\$7,107)		\$3,425	(\$24,233)	\$0	(\$24,233)
10. Business Heating, Ventilating & A/C		\$71,850	\$6	(\$26,644)		(\$1,200,269)	(\$863)	(\$5,160)	(\$1,161,079)	\$0	(\$1,161,079)
11. Business Custom Incentive		\$1,241	\$4			\$30,612		\$690	\$32,547	\$0	\$32,547
12. Business Building Envelope		\$4,578	\$6	(\$4,540)		\$686,290	\$12	(\$794)	\$685,552	\$0	\$685,552
13. Business Water Heating		\$612		(\$210)		(\$1,997)		\$220	(\$1,374)	\$0	(\$1,374)
14. Business Refrigeration		(\$143)		\$38		\$2,098		\$282	\$2,275	\$0	\$2,275
15. Business On Call	\$161	(\$266,049)	\$147,771	(\$3,611)		(\$62,590)	\$536	\$15,544	(\$168,237)	\$0	(\$168,237)
16. Commercial/Industrial Load Control		(\$5,632)	\$1,066	\$4,321		(\$39,933)	\$0	(\$6,712)	(\$46,890)	\$0	(\$46,890)
17. Commercial/Industrial Demand Reduction		(\$2,280)	(\$4,042)	(\$5,527)		(\$379,871)	(\$0)	(\$5,957)	(\$397,679)	\$0	(\$397,679)
18. Res. Solar Water Heating Pilot		\$33,461		\$4,000		(\$127,080)		\$1,672	(\$87,948)	\$0	(\$87,948)
19. Res. Solar Water Heating (LINC) Pilot		\$4,314				(\$251,375)		\$328	(\$246,733)	\$0	(\$246,733)
20. Residential Photovoltaic Pilot		\$35,777	\$2			(\$80,291)		\$2,973	(\$41,539)	\$0	(\$41,539)
21. Business Solar Water Heating Pilot		(\$2,632)		\$33		(\$97,480)		(\$560)	(\$100,639)	\$0	(\$100,639)
22. Business Photovoltaic Pilot		(\$1,844)				(\$427,059)		(\$158)	(\$429,060)	\$0	(\$429,060)
23. Business Photovoltaic for Schools Pilot	(\$61,256)	\$32,429		\$48,584				\$7,226	\$26,983	\$0	\$26,983
24. Renewable Research & Demo. Project		(\$182)		(\$27,666)				(\$493)	(\$28,341)	\$0	(\$28,341)
25. Solar Pilot Projects Common Expenses		(\$3,341)						(\$170)	(\$3,511)	\$0	(\$3,511)
26. Cogeneration & Small Power Production		(\$3,299)		(\$1,612)				\$11,206	\$6,296	\$0	\$6,296
27. Conservation Research & Development		(\$8,614)		(\$66,649)				\$43	(\$75,221)	\$0	(\$75,221)
28. Common Expenses	(\$65,317)	(\$609,666)	\$9,653	(\$4,255)			\$1,972	\$44,181	(\$623,433)	\$0	(\$623,433)
Recoverable Conservation Expenses	(\$181,322)	(\$2,460,225)	\$997,878	\$228,026	(\$1,472,076)	(\$7,672,778)	(\$35,301)	\$493,480	(\$10,102,319)	\$0	(\$10,102,319)

Totals may not add due to rounding.

Energy Conservation Cost Recovery (ECCR) Account Numbers
For the Period: January through December 2015

Program Title	Account
1. Residential Home Energy Survey	408172
	907100
	908110
	909101
	910100
	925112
926211	
2. Residential Building Envelope	408172
	908110
	910100
	925112
	926211
3. Residential Duct System Testing & Repair	408172
	908110
	910100
	925112
	926211
4. Residential Air Conditioning	408172
	908110
	925112
	926211
5. Residential New Construction (BuildSmart®)	408172
	908110
	925112
	926211
6. Residential Low-Income Weatherization	408172
	908110
	925112
	926211
7. Residential Load Management ("On Call")	408172
	582000
	587200
	592800
	598140
	907100
	908110
	910100
	925112
926211	
8. Business Energy Evaluation	408172
	907100
	908110
	909101
	910100
	925112
926211	
9. Business Efficient Lighting	408172
	908110
	925112
	926211
10. Business Heating, Ventilating & AC	408172
	908110
	925112
	926211
11. Business Custom Incentive	408172
	908110
	925112
	926211
12. Business Building Envelope	408172
	908110
	925112
	926211
13. Business Water Heating	408172
	908110
	925112
	926211
14. Business Refrigeration	408172
	908110
	925112
	926211

Energy Conservation Cost Recovery (ECCR) Account Numbers
For the Period: January through December 2015

Program Title	Account
15. Business On-Call	408172
	587200
	598140
	908110
	925112
16. Commercial/Industrial Load Control	926211
	408172
	908110
	925112
	926211
17. C/I Demand Reduction	408172
	908110
	925112
	926211
	408172
18. Residential Solar Water Heating Pilot	908110
	925112
	926211
	408172
	908110
19. Residential Solar Water Heating (LINC) Pilot	925112
	926211
	408172
	908110
	925112
20. Residential Photovoltaic Pilot	926211
	408172
	908110
	925112
	926211
21. Business Solar Water Heating Pilot	408172
	908110
	925112
	926211
	408172
22. Business Photovoltaic Pilot	908110
	925112
	926211
	408172
	907100
23. Business Photovoltaic for Schools Pilot	908110
	925112
	926211
	408172
	907100
24. Renewable Research & Demo. Project	908110
	925112
	926211
	408172
	907100
25. Solar Pilot Projects Common Expenses	908110
	925112
	926211
	408172
	908110
26. Cogeneration & Small Power Production	925112
	926211
	408172
	907100
	910100
27. Conservation Research & Development	925112
	926211
	408172
	907100
	908110
28. Common Expenses	910100
	925112
	926211
	408172
	907100

FLORIDA POWER LIGHT COMPANY
 ENERGY CONSERVATION COST RECOVERY
 CONSERVATION PROGRAM COSTS

SCHEDULE CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	Monthly Data												Twelve Month Amount
	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	
1. Residential Home Energy Survey	\$471,815	\$423,257	\$410,665	\$527,389	\$552,265	\$567,934	\$2,288,180	\$3,164,277	\$1,682,825	\$1,341,083	\$575,511	\$533,027	\$12,538,228
2. Residential Building Envelope	\$239,997	\$190,973	\$254,614	\$202,464	\$231,686	\$314,879	\$277,908	\$350,496	\$392,784	\$240,509	\$190,398	\$264,388	\$3,151,098
3. Residential Duct System Testing & Repair	\$70,359	\$63,298	\$66,510	\$65,149	\$56,803	\$76,084	\$58,600	\$25,105	\$19,866	\$18,465	\$10,863	\$10,268	\$541,369
4. Residential Air Conditioning	\$7,174,415	\$5,108,602	\$2,202,438	\$1,984,945	\$1,627,287	\$2,906,239	\$2,148,662	\$2,441,197	\$3,128,765	\$1,259,910	\$1,103,161	\$823,790	\$31,909,411
5. Residential New Construction (BuildSmart®)	\$52,381	\$42,244	\$40,251	\$52,420	\$45,191	\$68,170	\$43,519	\$40,742	\$14,194	\$41,574	\$31,629	\$33,992	\$506,308
6. Residential Low-Income Weatherization	\$3,791	\$4,660	\$11,276	\$9,017	\$3,836	\$5,507	\$17,793	\$3,560	\$3,765	\$9,264	\$3,670	\$12,569	\$88,707
7. Residential Load Management ("On Call")	\$3,513,730	\$3,490,181	\$3,315,424	\$5,375,129	\$5,784,126	\$5,050,559	\$5,175,088	\$5,233,021	\$5,231,284	\$5,411,846	\$3,230,508	\$2,876,621	\$53,687,518
8. Business Energy Evaluation	\$449,016	\$387,930	\$507,076	\$483,355	\$420,582	\$435,182	\$1,096,830	\$1,291,232	\$861,898	\$775,735	\$465,353	\$433,109	\$7,607,299
9. Business Efficient Lighting	\$50,726	\$64,336	\$14,028	\$17,903	\$31,501	\$44,784	\$20,597	\$22,919	\$9,421	\$12,086	\$57,565	\$5,652	\$351,519
10. Business Heating, Ventilating & A/C	\$106,157	\$483,192	\$212,951	\$106,209	\$419,011	\$247,409	\$113,001	\$148,828	\$93,455	\$103,885	\$473,573	\$227,064	\$2,734,736
11. Business Custom Incentive	\$2,223	\$2,081	\$2,361	\$25,702	\$15,015	\$3,216	\$21,970	\$23,500	\$15,202	\$239,260	\$76,620	\$56,793	\$483,941
12. Business Building Envelope	\$296,083	\$298,641	\$566,894	\$430,445	\$453,977	\$367,220	\$375,289	\$171,062	\$316,896	\$347,580	\$234,698	\$446,800	\$4,305,585
13. Business Water Heating	\$243	\$958	\$138	\$1,652	\$132	\$3,453	\$132	\$564	\$371	\$248	\$146	\$172	\$8,210
14. Business Refrigeration	\$4,641	\$6,957	\$4,293	\$2,326	\$132	\$3,311	\$1,524	\$1,078	\$1,749	\$329	\$450	\$172	\$26,962
15. Business On Call	\$45,521	\$37,210	\$53,958	\$519,657	\$526,218	\$522,228	\$543,535	\$520,491	\$541,986	\$423,529	\$42,074	\$44,395	\$3,820,802
16. Commercial/Industrial Load Control	\$2,626,420	\$2,937,916	\$3,075,427	\$2,670,307	\$2,762,844	\$5,298,041	\$2,875,883	\$3,484,072	\$2,851,284	\$2,752,263	\$3,306,659	\$5,240,713	\$39,881,827
17. Commercial/Industrial Demand Reduction	\$1,280,681	\$1,228,274	\$1,310,099	\$1,488,648	\$1,617,683	\$1,677,339	\$1,759,376	\$1,779,236	\$1,777,683	\$1,694,937	\$1,546,750	\$1,441,474	\$18,602,179
18. Res. Solar Water Heating Pilot	\$24,173	\$55,800	\$76,082	\$105,781	\$88,724	\$100,806	\$96,706	\$99,503	\$96,574	\$150,101	\$93,129	\$84,475	\$1,071,853
19. Res. Solar Water Heating (LINC) Pilot	\$7,983	\$21,837	\$12,666	\$8,395	\$21,312	\$9,357	\$52,029	\$108,436	\$43,865	\$21,003	\$15,140	\$1,283	\$323,307
20. Residential Photovoltaic Pilot	\$29,391	\$129,308	\$906,710	\$1,886,944	\$2,950,972	\$1,342,642	\$166,525	\$180,959	\$86,256	\$41,672	\$9,192	\$59,183	\$7,789,754
21. Business Solar Water Heating Pilot	\$4,948	\$2,104	\$2,460	\$2,466	\$2,311	\$2,372	\$2,479	\$2,265	\$1,079	\$0	\$33	\$0	\$22,516
22. Business Photovoltaic Pilot	\$4,464	\$4,069	\$5,698	\$3,840	\$105,430	\$401,427	\$445,613	\$194,965	\$130,388	\$123,480	\$402,603	\$351,204	\$2,173,181
23. Business Photovoltaic for Schools Pilot	\$179,286	\$179,986	\$208,675	\$182,234	\$183,146	\$169,624	\$177,544	\$190,430	\$165,834	\$181,665	\$163,397	\$235,215	\$2,217,036
24. Renewable Research & Demo. Project	\$12,231	\$5,542	\$52,966	(\$15,900)	\$1,669	\$2,548	\$8,913	\$4,241	\$34,115	\$22,810	\$12,696	\$18,231	\$160,063
25. Solar Pilot Projects Common Expenses	\$44,848	\$40,883	\$41,312	\$40,393	\$40,373	\$40,531	\$40,565	\$39,814	\$36,325	\$33,188	\$32,962	\$33,370	\$464,565
26. Cogeneration & Small Power Production	\$47,876	(\$64,190)	\$32,692	\$25,360	\$34,397	\$34,639	\$35,442	\$30,770	\$35,569	\$49,369	\$12,141	\$38,412	\$312,476
27. Conservation Research & Development	\$102,937	\$10,115	\$16,967	\$149,566	\$21,488	\$22,885	\$11,088	\$14,071	\$560	\$0	(\$5,714)	\$19,950	\$363,915
28. Common Expenses	\$973,005	\$763,493	\$1,052,013	\$920,903	\$996,214	\$812,344	\$3,620,118	\$875,266	\$940,499	\$877,405	\$829,245	\$838,919	\$13,499,422
29. Recoverable Conservation Expenses	\$17,819,339	\$15,919,657	\$14,456,644	\$17,272,700	\$18,994,325	\$20,530,729	\$21,474,911	\$20,442,101	\$18,514,493	\$16,173,195	\$12,914,450	\$14,131,242	\$208,643,788

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Total
B. CONSERVATION PROGRAM REVENUES													
1. Residential Load Control Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Conservation Clause Revenues (Net of Revenue Taxes)	\$14,965,321	\$13,754,790	\$14,995,005	\$16,314,863	\$17,549,181	\$18,522,666	\$19,841,544	\$19,597,676	\$19,405,428	\$17,691,133	\$17,093,557	\$16,010,874	\$205,742,038
3. Total Revenues	\$14,965,321	\$13,754,790	\$14,995,005	\$16,314,863	\$17,549,181	\$18,522,666	\$19,841,544	\$19,597,676	\$19,405,428	\$17,691,133	\$17,093,557	\$16,010,874	\$205,742,038
4. Adjustment Not Applicable To Period - Prior True-up	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$5,151,262
5. Conservation Revenues Applicable To Period (Line B3 + B4)	\$15,394,593	\$14,184,062	\$15,424,277	\$16,744,134	\$17,978,453	\$18,951,938	\$20,270,816	\$20,026,947	\$19,834,700	\$18,120,405	\$17,522,829	\$16,440,145	\$210,893,300
6. Conservation Expenses (From CT-3, Page 1, Line 29)	\$17,819,339	\$15,919,657	\$14,456,644	\$17,272,700	\$18,994,325	\$20,530,729	\$21,474,911	\$20,442,101	\$18,514,493	\$16,173,195	\$12,914,450	\$14,131,242	\$208,643,788
7. True-up This Period (Line B5 - Line B6)	(\$2,424,747)	(\$1,735,595)	\$967,633	(\$528,566)	(\$1,015,872)	(\$1,578,791)	(\$1,204,095)	(\$415,154)	\$1,320,208	\$1,947,210	\$4,608,379	\$2,308,903	\$2,249,513
8. Interest Provision For The Month (From CT-3, Page 3, Line C10)	(\$386)	(\$566)	(\$597)	(\$510)	(\$625)	(\$832)	(\$1,023)	(\$1,298)	(\$1,414)	(\$1,348)	(\$1,135)	(\$1,617)	(\$11,350)
9. True-up & Interest Provision Beginning of Month	\$5,151,262	\$2,296,858	\$131,425	\$669,190	(\$289,158)	(\$1,734,927)	(\$3,743,822)	(\$5,378,212)	(\$6,223,936)	(\$5,334,414)	(\$3,817,823)	\$360,149	\$5,151,262
9a. Deferred True-up Beginning of Period	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)
10. Prior True-up Collected/(Refunded)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$5,151,262)
11. End of Period True-up - Over/(Under) Recovery (Line B7+B8+B9+B9a+B10)	(\$6,059,788)	(\$8,225,221)	(\$7,687,456)	(\$8,645,804)	(\$10,091,573)	(\$12,100,468)	(\$13,734,858)	(\$14,580,582)	(\$13,691,060)	(\$12,174,469)	(\$7,996,497)	(\$6,118,483)	(\$6,118,484)

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Total
C. INTEREST PROVISION													
1. Beginning True-up Amount (Line B9 + B9a)	(\$3,205,384)	(\$6,059,788)	(\$8,225,221)	(\$7,687,456)	(\$8,645,804)	(\$10,091,573)	(\$12,100,468)	(\$13,734,858)	(\$14,580,582)	(\$13,691,060)	(\$12,174,469)	(\$7,996,497)	(\$118,193,159)
2. Ending True-up Amount Before Interest (Line B7+B9+B9a+B10)	(\$6,059,402)	(\$8,224,655)	(\$7,686,859)	(\$8,645,293)	(\$10,090,948)	(\$12,099,636)	(\$13,733,835)	(\$14,579,284)	(\$13,689,646)	(\$12,173,122)	(\$7,995,362)	(\$6,116,865)	(\$121,094,907)
3. Total of Beginning & Ending True-up (Line C1+C2)	(\$9,264,786)	(\$14,284,443)	(\$15,912,080)	(\$16,332,749)	(\$18,736,752)	(\$22,191,209)	(\$25,834,303)	(\$28,314,142)	(\$28,270,228)	(\$25,864,181)	(\$20,169,831)	(\$14,113,362)	(\$239,288,066)
4. Average True-up Amount (50% of Line C3)	(\$4,632,393)	(\$7,142,222)	(\$7,956,040)	(\$8,166,375)	(\$9,368,376)	(\$11,095,604)	(\$12,917,152)	(\$14,157,071)	(\$14,135,114)	(\$12,932,091)	(\$10,084,916)	(\$7,056,681)	(\$119,644,033)
5. Interest Rate - First Day of Reporting Business Month	0.10000%	0.10000%	0.09000%	0.09000%	0.06000%	0.10000%	0.08000%	0.11000%	0.11000%	0.13000%	0.12000%	0.15000%	N/A
6. Interest Rate - First day of Subsequent Business Month	0.10000%	0.09000%	0.09000%	0.06000%	0.10000%	0.08000%	0.11000%	0.11000%	0.13000%	0.12000%	0.15000%	0.40000%	N/A
7. Total (Line C5 + C6)	0.20000%	0.19000%	0.18000%	0.15000%	0.16000%	0.18000%	0.19000%	0.22000%	0.24000%	0.25000%	0.27000%	0.55000%	N/A
8. Average Interest Rate (50% of Line C7)	0.10000%	0.09500%	0.09000%	0.07500%	0.08000%	0.09000%	0.09500%	0.11000%	0.12000%	0.12500%	0.13500%	0.27500%	N/A
9. Monthly Average Interest Rate (Line C8 / 12)	0.00833%	0.00792%	0.00750%	0.00625%	0.00667%	0.00750%	0.00792%	0.00917%	0.01000%	0.01042%	0.01125%	0.02292%	N/A
10. Interest Provision for the Month (Line C4 x C9)	(\$386)	(\$566)	(\$597)	(\$510)	(\$625)	(\$832)	(\$1,023)	(\$1,298)	(\$1,414)	(\$1,348)	(\$1,135)	(\$1,617)	(\$11,350)

Totals may not add due to rounding.

() Reflects Under-recovery

N/A = Not applicable

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: CT-4

JANUARY 2015 THROUGH DECEMBER 2015

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Twelve Month Amount
1. Residential Home Energy Survey														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Depreciation Base		\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412
3. Depreciation Expense ^(a)		\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$105,082
4. Cumulative Investment (Line 2)	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412
5. Less: Accumulated Depreciation	\$126,974	\$135,731	\$144,488	\$153,245	\$162,002	\$170,759	\$179,516	\$188,272	\$197,029	\$205,786	\$214,543	\$223,300	\$232,057	
6. Net Investment (Line 4 - 5)	\$398,437	\$389,680	\$380,923	\$372,167	\$363,410	\$354,653	\$345,896	\$337,139	\$328,382	\$319,625	\$310,869	\$302,112	\$293,355	
7. Average Net Investment		\$394,059	\$385,302	\$376,545	\$367,788	\$359,031	\$350,274	\$341,518	\$332,761	\$324,004	\$315,247	\$306,490	\$297,733	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$1,607	\$1,571	\$1,536	\$1,500	\$1,464	\$1,428	\$1,372	\$1,337	\$1,301	\$1,266	\$1,231	\$1,196	\$16,810
b. Equity Component grossed up for taxes (Line 8a/.61425)		\$2,616	\$2,558	\$2,500	\$2,442	\$2,384	\$2,326	\$2,233	\$2,176	\$2,119	\$2,062	\$2,004	\$1,947	\$27,366
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$484	\$474	\$463	\$452	\$441	\$431	\$424	\$413	\$402	\$392	\$381	\$370	\$5,127
9. Total Return Requirements (Line 8b + 8c)		\$3,101	\$3,032	\$2,963	\$2,894	\$2,825	\$2,756	\$2,657	\$2,589	\$2,521	\$2,453	\$2,385	\$2,317	\$32,493
10. Total Depreciation & Return (Line 3 + 9)		\$11,858	\$11,789	\$11,720	\$11,651	\$11,582	\$11,513	\$11,414	\$11,346	\$11,278	\$11,210	\$11,142	\$11,074	\$137,576

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2015 actual period is 4.8938% based on the May 2014 ROR Earnings Surveillance report and reflects a 10.5% return on equity. The monthly Equity Component for Jul-Dec. 2015 actual period is 4.8201% based on the May 2015 ROR Surveillance report and reflects a 10.5% return on equity, per FPSC Order No. PSC-12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun. 2015 actual period is 1.4751% based on the May 2014 Surveillance Report and the Debt Component for the Jul-Dec. 2015 actual period is 1.4904% based on the May 2015 ROR Surveillance Report, per FPSC Order No. PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: CT-4

JANUARY 2015 THROUGH DECEMBER 2015

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Twelve Month Amount
Load Management (Program Nos. 7 & 15)														
1. Investment (Net of Retirements)		\$70,225	(\$138,605)	\$683,813	\$628,509	\$94,328	\$1,326,715	\$1,318,169	(\$1,360,581)	\$756,821	\$697,439	\$682,020	\$460,778	\$5,219,631
2. Depreciation Base		\$25,927,188	\$25,788,584	\$26,472,397	\$27,100,905	\$27,195,233	\$28,521,948	\$29,840,117	\$28,479,536	\$29,236,357	\$29,933,796	\$30,615,817	\$31,076,595	N/A
3. Depreciation Expense ^(a)		\$431,535	\$430,965	\$435,508	\$446,444	\$452,468	\$464,310	\$486,351	\$485,997	\$480,966	\$493,085	\$504,580	\$514,103	\$5,626,311
4. Cumulative Investment (Line 2)	\$25,856,964	\$25,927,188	\$25,788,584	\$26,472,397	\$27,100,905	\$27,195,233	\$28,521,948	\$29,840,117	\$28,479,536	\$29,236,357	\$29,933,796	\$30,615,817	\$31,076,595	
5. Less: Accumulated Depreciation		\$11,883,274	\$12,254,407	\$12,539,594	\$12,877,224	\$13,323,669	\$13,776,136	\$14,241,263	\$14,653,687	\$12,960,560	\$13,441,526	\$13,934,611	\$14,439,384	\$14,894,588
6. Net Investment (Line 4 - 5)		\$13,973,690	\$13,672,782	\$13,248,989	\$13,595,173	\$13,777,237	\$13,419,097	\$14,280,685	\$15,186,430	\$15,518,976	\$15,794,831	\$15,999,185	\$16,176,433	\$16,182,007
7. Average Net Investment		\$13,823,236	\$13,460,886	\$13,422,081	\$13,686,205	\$13,598,167	\$13,849,891	\$14,733,558	\$15,352,703	\$15,656,903	\$15,897,008	\$16,087,809	\$16,179,220	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$56,374	\$54,896	\$54,738	\$55,815	\$55,456	\$56,483	\$59,182	\$61,669	\$62,891	\$63,855	\$64,622	\$64,989	\$710,968
b. Equity Component grossed up for taxes (Line 8a/.61425)		\$91,777	\$89,371	\$89,113	\$90,867	\$90,283	\$91,954	\$96,348	\$100,397	\$102,386	\$103,956	\$105,204	\$105,802	\$1,157,457
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$16,993	\$16,547	\$16,500	\$16,824	\$16,716	\$17,026	\$18,299	\$19,068	\$19,446	\$19,744	\$19,981	\$20,095	\$217,239
9. Total Return Requirements (Line 8b + 8c)		\$108,770	\$105,919	\$105,613	\$107,691	\$106,999	\$108,979	\$114,647	\$119,465	\$121,832	\$123,700	\$125,185	\$125,896	\$1,374,697
10. Total Depreciation & Return (Line 3 + 9)		\$540,304	\$536,883	\$541,121	\$554,136	\$559,467	\$573,289	\$600,998	\$605,462	\$602,798	\$616,785	\$629,765	\$640,000	\$7,001,008
Allocation of Depreciation and Return on Investment E														
Residential On Call Program No. 7 (95.1%)														
Depreciation (Prog #7)		\$410,389	\$409,848	\$414,168	\$424,568	\$430,297	\$441,559	\$462,519	\$462,183	\$457,398	\$468,923	\$479,856	\$488,912	\$5,350,622
Return (Prog #7)		\$102,983	\$100,271	\$99,981	\$101,957	\$101,299	\$103,182	\$108,577	\$113,159	\$115,410	\$117,187	\$118,599	\$119,275	\$1,301,881
Total (Prog #7)		\$513,372	\$510,119	\$514,149	\$526,526	\$531,596	\$544,741	\$571,097	\$575,342	\$572,809	\$586,110	\$598,455	\$608,188	\$6,652,503
Business On Call Program No. 15 (4.9%)														
Depreciation (Prog #16)		\$21,145	\$21,117	\$21,340	\$21,876	\$22,171	\$22,751	\$23,831	\$23,814	\$23,567	\$24,161	\$24,724	\$25,191	\$275,689
Return (Prog #16)		\$5,787	\$5,647	\$5,632	\$5,734	\$5,700	\$5,797	\$6,070	\$6,306	\$6,422	\$6,513	\$6,586	\$6,621	\$72,816
Total (Prog #16)		\$26,932	\$26,764	\$26,972	\$27,610	\$27,871	\$28,548	\$29,901	\$30,120	\$29,989	\$30,675	\$31,311	\$31,812	\$348,505
Total														
Depreciation		\$431,535	\$430,965	\$435,508	\$446,444	\$452,468	\$464,310	\$486,351	\$485,997	\$480,966	\$493,085	\$504,580	\$514,103	\$5,626,311
Return		\$108,770	\$105,919	\$105,613	\$107,691	\$106,999	\$108,979	\$114,647	\$119,465	\$121,832	\$123,700	\$125,185	\$125,896	\$1,374,697
Total		\$540,304	\$536,883	\$541,121	\$554,136	\$559,467	\$573,289	\$600,998	\$605,462	\$602,798	\$616,785	\$629,765	\$640,000	\$7,001,008

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2015 actual period is 4.8938% based on the May 2014 ROR Earnings Surveillance report and reflects a 10.5% return on equity. The monthly Equity Component for Jul-Dec. 2015 actual period is 4.8201% based on the May 2015 ROR Surveillance report and reflects a 10.5% return on equity, per FPSC Order No. PSC-12-0425-PAA-EU

^(c) Monthly Debt Component for Jan-Jun. 2015 actual period is 1.4751% based on the May 2014 Surveillance Report and the Debt Component for the Jul-Dec. 2015 actual period is 1.4904% based on the May 2015 ROR Surveillance Report, per FPSC Order No. PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: CT-4

JANUARY 2015 THROUGH DECEMBER 2015

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Twelve Month Amount
23. Business Photovoltaic for Schools Pilot														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,668,741	\$2,668,741
2. Depreciation Base		\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$9,847,295	
3. Depreciation Expense ^(a)		\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$119,643	\$141,882	\$1,457,950
4. Cumulative Investment (Line 2)	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$7,178,554	\$9,847,295	
5. Less: Accumulated Depreciation	\$898,962	\$1,018,605	\$1,138,247	\$1,257,890	\$1,377,532	\$1,497,175	\$1,616,817	\$1,736,460	\$2,518,289	\$2,637,932	\$2,757,574	\$2,877,217	\$3,019,099	
6. Net Investment (Line 4 - 5)	\$6,279,592	\$6,159,949	\$6,040,307	\$5,920,664	\$5,801,021	\$5,681,379	\$5,561,736	\$5,442,094	\$4,660,264	\$4,540,622	\$4,420,979	\$4,301,337	\$6,828,196	
7. Average Net Investment		\$6,219,770	\$6,100,128	\$5,980,485	\$5,860,843	\$5,741,200	\$5,621,558	\$5,501,915	\$5,051,179	\$4,600,443	\$4,480,801	\$4,361,158	\$5,564,766	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$25,365	\$24,878	\$24,390	\$23,902	\$23,414	\$22,926	\$22,100	\$20,290	\$18,479	\$17,998	\$17,518	\$22,353	\$263,612
b. Equity Component grossed up for taxes (Line 8a/.61425)		\$41,295	\$40,501	\$39,706	\$38,912	\$38,118	\$37,323	\$35,979	\$33,031	\$30,084	\$29,302	\$28,519	\$36,390	\$429,160
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$7,646	\$7,499	\$7,352	\$7,205	\$7,058	\$6,911	\$6,833	\$6,274	\$5,714	\$5,565	\$5,417	\$6,911	\$80,383
9. Total Return Requirements (Line 8b + 8c)		\$48,941	\$48,000	\$47,058	\$46,117	\$45,175	\$44,234	\$42,812	\$39,305	\$35,798	\$34,867	\$33,936	\$43,301	\$509,544
10. Total Depreciation & Return (Line 3 + 9)		\$168,584	\$167,642	\$166,701	\$165,759	\$164,818	\$163,876	\$162,455	\$158,948	\$155,440	\$154,509	\$153,578	\$185,184	\$1,967,494

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2015 actual period is 4.8938% based on the May 2014 ROR Earnings Surveillance report and reflects a 10.5% return on equity. The monthly Equity Component for Jul-Dec, 2015 actual period is 4.8201% based on the May 2015 ROR Surveillance report and reflects a 10.5% return on equity, per FPSC Order No. PSC-12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun, 2015 actual period is 1.4751% based on the May 2014 Surveillance Report and the Debt Component for the Jul-Dec, 2015 actual period is 1.4904% based on the May 2015 ROR Surveillance Report, per FPSC Order No. PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: CT-4

JANUARY 2015 THROUGH DECEMBER 2015

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Twelve Month Amount
25. Solar Pilot Projects Common Expenses														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2. Depreciation Base		\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	
3. Depreciation Expense ^(a)		\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$349,330
4. Cumulative Investment (Line 2)	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	
5. Less: Accumulated Depreciation	\$946,101	\$975,212	\$1,004,323	\$1,033,434	\$1,062,544	\$1,091,655	\$1,120,766	\$1,149,877	\$1,178,988	\$1,208,098	\$1,237,209	\$1,266,320	\$1,295,431	
6. Net Investment (Line 4 - 5)	\$800,547	\$771,436	\$742,325	\$713,215	\$684,104	\$654,993	\$625,882	\$596,771	\$567,661	\$538,550	\$509,439	\$480,328	\$451,217	
7. Average Net Investment		\$785,992	\$756,881	\$727,770	\$698,659	\$669,548	\$640,438	\$611,327	\$582,216	\$553,105	\$523,994	\$494,884	\$465,773	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$3,205	\$3,087	\$2,968	\$2,849	\$2,731	\$2,612	\$2,456	\$2,339	\$2,222	\$2,105	\$1,988	\$1,871	\$30,431
b. Equity Component grossed up for taxes (Line 8a/.61425)		\$5,218	\$5,025	\$4,832	\$4,639	\$4,445	\$4,252	\$3,998	\$3,807	\$3,617	\$3,427	\$3,236	\$3,046	\$49,542
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$966	\$930	\$895	\$859	\$823	\$787	\$759	\$723	\$687	\$651	\$615	\$578	\$9,274
9. Total Return Requirements (Line 8b + 8c)		\$6,185	\$5,956	\$5,727	\$5,497	\$5,268	\$5,039	\$4,757	\$4,530	\$4,304	\$4,077	\$3,851	\$3,624	\$58,816
10. Total Depreciation & Return (Line 3 + 9)		\$35,295	\$35,066	\$34,837	\$34,608	\$34,379	\$34,150	\$33,868	\$33,641	\$33,415	\$33,188	\$32,962	\$32,735	\$408,146

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2015 actual period is 4.8938% based on the May 2014 ROR Earnings Surveillance report and reflects a 10.5% return on equity. The monthly Equity Component for Jul-Dec. 2015 actual period is 4.8201% based on the May 2015 ROR Surveillance report and reflects

a 10.5% return on equity, per FPSC Order No. PSC-12-0425-PAA-EU

^(c) Monthly Debt Component for Jan-Jun. 2015 actual period is 1.4751% based on the May 2014 Surveillance Report and the Debt Component for the Jul-Dec. 2015 actual period is 1.4904% based on the May 2015 ROR Surveillance Report, per FPSC Order No. PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: CT-4

JANUARY 2015 THROUGH DECEMBER 2015

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Twelve Month Amount
28. Common Expenses														
1. Investment (Net of Retirements)		\$0	\$607,297	(\$25,011)	(\$550)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,093,802	\$1,675,537
2. Depreciation Base		\$9,084,632	\$9,691,929	\$9,666,918	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$10,760,170	
3. Depreciation Expense ^(a)		\$151,411	\$156,471	\$160,907	\$161,111	\$161,106	\$161,106	\$161,106	\$161,106	\$161,106	\$161,106	\$161,106	\$170,221	\$1,927,864
4. Cumulative Investment (Line 2)	\$9,084,632	\$9,084,632	\$9,691,929	\$9,666,918	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$9,666,368	\$10,760,170	
5. Less: Accumulated Depreciation	\$5,906,187	\$6,057,598	\$6,214,069	\$6,374,976	\$6,536,087	\$6,697,193	\$6,858,299	\$7,019,405	\$7,180,511	\$7,341,617	\$7,502,723	\$7,663,830	\$7,834,051	
6. Net Investment (Line 4 - 5)	\$3,178,445	\$3,027,034	\$3,477,860	\$3,291,942	\$3,130,281	\$2,969,175	\$2,808,069	\$2,646,963	\$2,485,857	\$2,324,751	\$2,163,645	\$2,002,539	\$2,926,119	
7. Average Net Investment		\$3,102,740	\$3,252,447	\$3,384,901	\$3,211,112	\$3,049,728	\$2,888,622	\$2,727,516	\$2,566,410	\$2,405,304	\$2,244,198	\$2,083,092	\$2,464,329	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$12,654	\$13,264	\$13,804	\$13,096	\$12,437	\$11,780	\$10,956	\$10,309	\$9,662	\$9,014	\$8,367	\$9,899	\$135,242
b. Equity Component grossed up for taxes (Line 8a/.61425)		\$20,600	\$21,594	\$22,473	\$21,320	\$20,248	\$19,178	\$17,836	\$16,783	\$15,729	\$14,676	\$13,622	\$16,115	\$220,175
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$3,814	\$3,998	\$4,161	\$3,947	\$3,749	\$3,551	\$3,388	\$3,187	\$2,997	\$2,787	\$2,587	\$3,061	\$41,219
9. Total Return Requirements (Line 8b + 8c)		\$24,414	\$25,592	\$26,634	\$25,267	\$23,997	\$22,729	\$21,224	\$19,970	\$18,717	\$17,463	\$16,209	\$19,176	\$261,393
10. Total Depreciation & Return (Line 3 + 9)		\$175,825	\$182,064	\$187,541	\$186,378	\$185,103	\$183,836	\$182,330	\$181,076	\$179,823	\$178,569	\$177,315	\$189,397	\$2,189,257

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2015 actual period is 4.8938% based on the May 2014 ROR Earnings Surveillance report and reflects a 10.5% return on equity. The monthly Equity Component for Jul-Dec, 2015 actual period is 4.8201% based on the May 2015 ROR Surveillance report and reflects a 10.5% return on equity, per FPSC Order No. PSC-12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun, 2015 actual period is 1.4751% based on the May 2014 Surveillance Report and the Debt Component for the Jul-Dec, 2015 actual period is 1.4904% based on the May 2015 ROR Surveillance Report, per FPSC Order No. PSC-12-0425-PAA-EU

Totals may not add due to rounding.

<u>Schedule</u>	<u>Sponsored By</u>
CT-1, Page 1	Terry J. Keith
CT-2, Page 1 , Lines 1 -10	Anita Sharma
CT-2, Page 1, Lines 11-18	Terry J. Keith
CT-2, Pages 2 - 5	Anita Sharma
CT-3, Page 1	Anita Sharma
CT-3, Pages 2 - 3	Terry J. Keith
CT-4, Pages 1 - 5	Terry J. Keith
CT-5, Page 1	Anita Sharma
CT-6, Pages 1 - 332	Anita Sharma
Appendix A	Anita Sharma

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 3
PARTY: FLORIDA POWER & LIGHT COMPANY – DIRECT*Notice
of Adoption of Terry J. Keith’s testimony and exhibits by Renae B.
Deaton, filed on October 3, 2016, (FPSC DN #07927-16).
DESCRIPTION: Deaton, Sharma AS-1

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
ANALYSIS OF PROGRAM COSTS

SCHEDULE: CT-2

JANUARY 2015 THROUGH DECEMBER 2015

ACTUAL V. ACTUAL/ESTIMATE FOR THE PERIOD	Actual	Actual/Estimated (1)	Difference
1. Depreciation & Return	\$11,703,480	\$11,884,802	(\$181,322)
2. Payroll & Benefits	\$22,797,134	\$25,257,359	(\$2,460,225)
3. Materials & Supplies	\$319,783	(\$678,095)	\$997,878
4. Outside Services	\$7,454,824	\$7,226,798	\$228,026
5. Advertising	\$7,255,831	\$8,727,907	(\$1,472,076)
6. Rebates	\$155,551,284	\$163,224,062	(\$7,672,778)
7. Vehicles	\$283,999	\$319,300	(\$35,301)
8. Other	\$3,277,454	\$2,783,974	\$493,480
9. Total Adjusted Program Costs	<u>\$208,643,788</u>	<u>\$218,746,107</u>	<u>(\$10,102,319)</u>
10. ECCR Revenues (Net of Revenue Taxes)	\$205,742,038	\$204,003,736	\$1,738,302
11. Prior Period True-up (Collected)/Refunded this Period	<u>\$5,151,262</u>	<u>\$5,151,262</u>	<u>\$0</u>
12. Revenues Applicable to the Period (Line 10+ line 11)	<u>\$210,893,300</u>	<u>\$209,154,998</u>	<u>\$1,738,302</u>
13. True-up Provision (Under)/Over Recovery - Current Period (Line 12 - Line 9)	\$2,249,513	(\$9,591,109)	\$11,840,622
14. Interest Provision (Under)/Over Recovery - Current Period	(\$11,350)	(\$10,206)	(\$1,144)
15. True-up and Interest Provision (Under)/Over Recovery - Beginning of Period	\$5,151,262	\$5,151,262	\$0
16. Deferred True-up from Prior Period	(\$8,356,646)	(\$8,356,646)	\$0
17. Prior Period True-up (Collected)/Refunded this Period	<u>(\$5,151,262)</u>	<u>(\$5,151,262)</u>	<u>\$0</u>
18. End of Period True-up Amount (Under)/Over Recovery	<u>(\$6,118,484)</u>	<u>(\$17,957,961)</u>	<u>\$11,839,478</u>

(1) Approved in Order No. PSC-15-0542-FOF-EG issued November 23, 2015.

Totals may not add due to rounding.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE CT-2

JANUARY 2015 THROUGH DECEMBER 2015

PROGRAM TITLE	Depreciation and return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Sub-total	Program Revenue	Total for Period
1. Residential Home Energy Survey	\$137,576	\$4,485,532	\$59,599	\$2,000,333	\$5,132,293		\$95,971	\$626,926	\$12,538,228	\$0	\$12,538,228
2. Residential Building Envelope		\$211,795	\$35	\$207,525		\$2,702,445	\$8,264	\$21,093	\$3,151,157	\$0	\$3,151,157
3. Residential Duct System Testing & Repair		\$431,799	\$246	\$36,500		\$130,585	\$11	(\$57,772)	\$541,369	\$0	\$541,369
4. Residential Air Conditioning		\$1,458,582	\$449	\$216,070		\$30,218,603	\$59,886	(\$44,179)	\$31,909,411	\$0	\$31,909,411
5. Residential New Construction (BuildSmart®)		\$402,391	\$76	\$57,654		\$10,650		\$35,536	\$506,308	\$0	\$506,308
6. Residential Low-Income Weatherization		\$37,638	\$862	\$5,303		\$22,385		\$22,519	\$88,707	\$0	\$88,707
7. Residential Load Management ("On Call")	\$6,652,503	(\$124,527)	\$233,503	\$2,213,324		\$43,713,229	\$49,937	\$949,549	\$53,687,518	\$0	\$53,687,518
8. Business Energy Evaluation		\$4,197,924	\$3,966	\$878,043	\$2,123,538		\$47,582	\$356,246	\$7,607,297	\$0	\$7,607,297
9. Business Efficient Lighting		\$139,805	\$4	\$40,491		\$164,736		\$6,483	\$351,519	\$0	\$351,519
10. Business Heating, Ventilating & AC		\$485,208	\$56	\$117,692		\$2,074,928		\$56,851	\$2,734,736	\$0	\$2,734,736
11. Business Custom Incentive		\$26,456	\$4	\$0		\$455,168		\$2,314	\$483,941	\$0	\$483,941
12. Business Building Envelope		\$222,026	\$38	\$84,940		\$3,982,015	\$5,613	\$10,895	\$4,305,527	\$0	\$4,305,527
13. Business Water Heating		\$1,680	\$0	\$3,233		\$2,950		\$347	\$8,210	\$0	\$8,210
14. Business Refrigeration		\$14,379	\$2	\$5,649		\$6,072		\$860	\$26,962	\$0	\$26,962
15. Business On Call	\$348,505	(\$39,772)	\$1,775	\$139,821		\$3,328,430	\$674	\$41,370	\$3,820,802	\$0	\$3,820,802
16. Commercial/Industrial Load Control		\$205,135	\$4,458	\$10,846		\$39,619,944		\$41,443	\$39,881,826	\$0	\$39,881,826
17. C/I Demand Reduction		\$290,421	\$933	(\$66)		\$18,249,843		\$61,047	\$18,602,179	\$0	\$18,602,179
18. Res. Solar Water Heating Pilot		\$189,540	\$0	\$4,000		\$872,920		\$5,394	\$1,071,853	\$0	\$1,071,853
19. Res. Solar Water Heating (LINC) Pilot		\$34,737	\$0	\$0		\$286,965		\$1,604	\$323,307	\$0	\$323,307
20. Residential Photovoltaic Pilot		\$198,918	\$4	\$3,000		\$7,578,914		\$8,918	\$7,789,754	\$0	\$7,789,754
21. Business Solar Water Heating Pilot		\$19,797	\$0	\$33		\$2,520		\$167	\$22,516	\$0	\$22,516
22. Business Photovoltaic Pilot		\$44,099	\$0	\$0		\$2,127,983		\$1,099	\$2,173,181	\$0	\$2,173,181
23. Business Photovoltaic for Schools Pilot	\$1,967,494	\$111,005	\$18	\$125,936				\$12,583	\$2,217,036	\$0	\$2,217,036
24. Renewable Research & Demo Project		\$27,745	\$0	\$159,835				(\$27,516)	\$160,063	\$0	\$160,063
25. Solar Pilot Projects Common Expenses	\$408,146	\$55,510	\$0	\$0				\$909	\$464,565	\$0	\$464,565
26. Cogeneration & Small Power Production		\$540,653	\$0	(\$41,776)				(\$186,401)	\$312,476	\$0	\$312,476
27. Conservation Research & Development		\$42,202	\$0	\$227,784				\$93,931	\$363,917	\$0	\$363,917
28. Total Common Expenses	\$2,189,257	\$9,086,454	\$13,754	\$958,656			\$16,062	\$1,235,241	\$13,499,422	\$0	\$13,499,422
Recoverable Conservation Expenses	\$11,703,480	\$22,797,134	\$319,783	\$7,454,824	\$7,255,831	\$155,551,284	\$283,999	\$3,277,454	\$208,643,788	\$0	\$208,643,788

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM VARIANCE

SCHEDULE: CT-2

JANUARY 2015 THROUGH DECEMBER 2015

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Sub-Total	Program Revenue	Total for Period
1. Residential Home Energy Survey	(\$2,666)	(\$314,415)	\$58,734	\$751,591	(\$933,699)		(\$65,964)	\$57,169	(\$449,249)	\$0	(\$449,249)
2. Residential Building Envelope		\$28,229	\$4	\$28,225		\$764,465	\$4,964	\$16,867	\$842,754	\$0	\$842,754
3. Residential Duct System Testing & Repair		\$93,285	\$17	(\$1,955)		(\$12,832)		(\$16,334)	\$62,181	\$0	\$62,181
4. Residential Air Conditioning		\$199,535	\$65	(\$65,501)		(\$4,054,726)	\$10,935	\$15,820	(\$3,893,872)	\$0	(\$3,893,872)
5. Residential New Construction (BuildSmart®)		(\$33,374)		(\$19,320)		(\$7,475)	(\$5,465)	\$1,761	(\$63,873)	\$0	(\$63,873)
6. Residential Low-Income Weatherization		(\$5,880)	\$862	\$5,303		(\$9,546)		\$17,198	\$7,938	\$0	\$7,938
7. Residential Load Management ("On Call")	(\$52,244)	(\$1,481,443)	\$786,440	(\$347,025)		(\$2,396,615)	\$23,508	\$306,085	(\$3,161,294)	\$0	(\$3,161,294)
8. Business Energy Evaluation		(\$235,780)	(\$2,712)	(\$9,966)	(\$538,378)		(\$4,935)	\$27,129	(\$764,641)	\$0	(\$764,641)
9. Business Efficient Lighting		\$9,037	\$2	(\$29,590)		(\$7,107)		\$3,425	(\$24,233)	\$0	(\$24,233)
10. Business Heating, Ventilating & A/C		\$71,850	\$6	(\$26,644)		(\$1,200,269)	(\$863)	(\$5,160)	(\$1,161,079)	\$0	(\$1,161,079)
11. Business Custom Incentive		\$1,241	\$4			\$30,612		\$690	\$32,547	\$0	\$32,547
12. Business Building Envelope		\$4,578	\$6	(\$4,540)		\$686,290	\$12	(\$794)	\$685,552	\$0	\$685,552
13. Business Water Heating		\$612		(\$210)		(\$1,997)		\$220	(\$1,374)	\$0	(\$1,374)
14. Business Refrigeration		(\$143)		\$38		\$2,098		\$282	\$2,275	\$0	\$2,275
15. Business On Call	\$161	(\$266,049)	\$147,771	(\$3,611)		(\$62,590)	\$536	\$15,544	(\$168,237)	\$0	(\$168,237)
16. Commercial/Industrial Load Control		(\$5,632)	\$1,066	\$4,321		(\$39,933)	\$0	(\$6,712)	(\$46,890)	\$0	(\$46,890)
17. Commercial/Industrial Demand Reduction		(\$2,280)	(\$4,042)	(\$5,527)		(\$379,871)	(\$0)	(\$5,957)	(\$397,679)	\$0	(\$397,679)
18. Res. Solar Water Heating Pilot		\$33,461		\$4,000		(\$127,080)		\$1,672	(\$87,948)	\$0	(\$87,948)
19. Res. Solar Water Heating (LINC) Pilot		\$4,314				(\$251,375)		\$328	(\$246,733)	\$0	(\$246,733)
20. Residential Photovoltaic Pilot		\$35,777	\$2			(\$80,291)		\$2,973	(\$41,539)	\$0	(\$41,539)
21. Business Solar Water Heating Pilot		(\$2,632)		\$33		(\$97,480)		(\$560)	(\$100,639)	\$0	(\$100,639)
22. Business Photovoltaic Pilot		(\$1,844)				(\$427,059)		(\$158)	(\$429,060)	\$0	(\$429,060)
23. Business Photovoltaic for Schools Pilot	(\$61,256)	\$32,429		\$48,584				\$7,226	\$26,983	\$0	\$26,983
24. Renewable Research & Demo. Project		(\$182)		(\$27,666)				(\$493)	(\$28,341)	\$0	(\$28,341)
25. Solar Pilot Projects Common Expenses		(\$3,341)						(\$170)	(\$3,511)	\$0	(\$3,511)
26. Cogeneration & Small Power Production		(\$3,299)		(\$1,612)				\$11,206	\$6,296	\$0	\$6,296
27. Conservation Research & Development		(\$8,614)		(\$66,649)				\$43	(\$75,221)	\$0	(\$75,221)
28. Common Expenses	(\$65,317)	(\$609,666)	\$9,653	(\$4,255)			\$1,972	\$44,181	(\$623,433)	\$0	(\$623,433)
Recoverable Conservation Expenses	(\$181,322)	(\$2,460,225)	\$997,878	\$228,026	(\$1,472,076)	(\$7,672,778)	(\$35,301)	\$493,480	(\$10,102,319)	\$0	(\$10,102,319)

Totals may not add due to rounding.

Energy Conservation Cost Recovery (ECCR) Account Numbers
For the Period: January through December 2015

Program Title	Account
1. Residential Home Energy Survey	408172
	907100
	908110
	909101
	910100
	925112
926211	
2. Residential Building Envelope	408172
	908110
	910100
	925112
	926211
3. Residential Duct System Testing & Repair	408172
	908110
	910100
	925112
	926211
4. Residential Air Conditioning	408172
	908110
	925112
	926211
5. Residential New Construction (BuildSmart®)	408172
	908110
	925112
	926211
6. Residential Low-Income Weatherization	408172
	908110
	925112
	926211
7. Residential Load Management ("On Call")	408172
	582000
	587200
	592800
	598140
	907100
	908110
	910100
	925112
926211	
8. Business Energy Evaluation	408172
	907100
	908110
	909101
	910100
	925112
926211	
9. Business Efficient Lighting	408172
	908110
	925112
	926211
10. Business Heating, Ventilating & AC	408172
	908110
	925112
	926211
11. Business Custom Incentive	408172
	908110
	925112
	926211
12. Business Building Envelope	408172
	908110
	925112
	926211
13. Business Water Heating	408172
	908110
	925112
	926211
14. Business Refrigeration	408172
	908110
	925112
	926211

Energy Conservation Cost Recovery (ECCR) Account Numbers
For the Period: January through December 2015

Program Title	Account
15. Business On-Call	408172
	587200
	598140
	908110
	925112
16. Commercial/Industrial Load Control	926211
	408172
	908110
	925112
	926211
17. C/I Demand Reduction	408172
	908110
	925112
	926211
	408172
18. Residential Solar Water Heating Pilot	908110
	925112
	926211
	408172
	908110
19. Residential Solar Water Heating (LINC) Pilot	925112
	926211
	408172
	908110
	925112
20. Residential Photovoltaic Pilot	926211
	408172
	908110
	925112
	926211
21. Business Solar Water Heating Pilot	408172
	908110
	925112
	926211
	408172
22. Business Photovoltaic Pilot	908110
	925112
	926211
	408172
	907100
23. Business Photovoltaic for Schools Pilot	908110
	925112
	926211
	408172
	907100
24. Renewable Research & Demo. Project	908110
	925112
	926211
	408172
	907100
25. Solar Pilot Projects Common Expenses	908110
	925112
	926211
	408172
	908110
26. Cogeneration & Small Power Production	925112
	926211
	408172
	907100
	910100
27. Conservation Research & Development	925112
	926211
	408172
	907100
	908110
28. Common Expenses	910100
	925112
	926211
	408172
	907100

FLORIDA POWER LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	Monthly Data												Twelve Month Amount
	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	
1. Residential Home Energy Survey	\$471,815	\$423,257	\$410,665	\$527,389	\$552,265	\$567,934	\$2,288,180	\$3,164,277	\$1,682,825	\$1,341,083	\$575,511	\$533,027	\$12,538,228
2. Residential Building Envelope	\$239,997	\$190,973	\$254,614	\$202,464	\$231,686	\$314,879	\$277,908	\$350,496	\$392,784	\$240,509	\$190,398	\$264,388	\$3,151,098
3. Residential Duct System Testing & Repair	\$70,359	\$63,298	\$66,510	\$65,149	\$56,803	\$76,084	\$58,600	\$25,105	\$19,866	\$18,465	\$10,863	\$10,268	\$541,369
4. Residential Air Conditioning	\$7,174,415	\$5,108,602	\$2,202,438	\$1,984,945	\$1,627,287	\$2,906,239	\$2,148,662	\$2,441,197	\$3,128,765	\$1,259,910	\$1,103,161	\$823,790	\$31,909,411
5. Residential New Construction (BuildSmart®)	\$52,381	\$42,244	\$40,251	\$52,420	\$45,191	\$68,170	\$43,519	\$40,742	\$14,194	\$41,574	\$31,629	\$33,992	\$506,308
6. Residential Low-Income Weatherization	\$3,791	\$4,660	\$11,276	\$9,017	\$3,836	\$5,507	\$17,793	\$3,560	\$3,765	\$9,264	\$3,670	\$12,569	\$88,707
7. Residential Load Management ("On Call")	\$3,513,730	\$3,490,181	\$3,315,424	\$5,375,129	\$5,784,126	\$5,050,559	\$5,175,088	\$5,233,021	\$5,231,284	\$5,411,846	\$3,230,508	\$2,876,621	\$53,687,518
8. Business Energy Evaluation	\$449,016	\$387,930	\$507,076	\$483,355	\$420,582	\$435,182	\$1,096,830	\$1,291,232	\$861,898	\$775,735	\$465,353	\$433,109	\$7,607,299
9. Business Efficient Lighting	\$50,726	\$64,336	\$14,028	\$17,903	\$31,501	\$44,784	\$20,597	\$22,919	\$9,421	\$12,086	\$57,565	\$5,652	\$351,519
10. Business Heating, Ventilating & A/C	\$106,157	\$483,192	\$212,951	\$106,209	\$419,011	\$247,409	\$113,001	\$148,828	\$93,455	\$103,885	\$473,573	\$227,064	\$2,734,736
11. Business Custom Incentive	\$2,223	\$2,081	\$2,361	\$25,702	\$15,015	\$3,216	\$21,970	\$23,500	\$15,202	\$239,260	\$76,620	\$56,793	\$483,941
12. Business Building Envelope	\$296,083	\$298,641	\$566,894	\$430,445	\$453,977	\$367,220	\$375,289	\$171,062	\$316,896	\$347,580	\$234,698	\$446,800	\$4,305,585
13. Business Water Heating	\$243	\$958	\$138	\$1,652	\$132	\$3,453	\$132	\$564	\$371	\$248	\$146	\$172	\$8,210
14. Business Refrigeration	\$4,641	\$6,957	\$4,293	\$2,326	\$132	\$3,311	\$1,524	\$1,078	\$1,749	\$329	\$450	\$172	\$26,962
15. Business On Call	\$45,521	\$37,210	\$53,958	\$519,657	\$526,218	\$522,228	\$543,535	\$520,491	\$541,986	\$423,529	\$42,074	\$44,395	\$3,820,802
16. Commercial/Industrial Load Control	\$2,626,420	\$2,937,916	\$3,075,427	\$2,670,307	\$2,762,844	\$5,298,041	\$2,875,883	\$3,484,072	\$2,851,284	\$2,752,263	\$3,306,659	\$5,240,713	\$39,881,827
17. Commercial/Industrial Demand Reduction	\$1,280,681	\$1,228,274	\$1,310,099	\$1,488,648	\$1,617,683	\$1,677,339	\$1,759,376	\$1,779,236	\$1,777,683	\$1,694,937	\$1,546,750	\$1,441,474	\$18,602,179
18. Res. Solar Water Heating Pilot	\$24,173	\$55,800	\$76,082	\$105,781	\$88,724	\$100,806	\$96,706	\$99,503	\$96,574	\$150,101	\$93,129	\$84,475	\$1,071,853
19. Res. Solar Water Heating (LINC) Pilot	\$7,983	\$21,837	\$12,666	\$8,395	\$21,312	\$9,357	\$52,029	\$108,436	\$43,865	\$21,003	\$15,140	\$1,283	\$323,307
20. Residential Photovoltaic Pilot	\$29,391	\$129,308	\$906,710	\$1,886,944	\$2,950,972	\$1,342,642	\$166,525	\$180,959	\$86,256	\$41,672	\$9,192	\$59,183	\$7,789,754
21. Business Solar Water Heating Pilot	\$4,948	\$2,104	\$2,460	\$2,466	\$2,311	\$2,372	\$2,479	\$2,265	\$1,079	\$0	\$33	\$0	\$22,516
22. Business Photovoltaic Pilot	\$4,464	\$4,069	\$5,698	\$3,840	\$105,430	\$401,427	\$445,613	\$194,965	\$130,388	\$123,480	\$402,603	\$351,204	\$2,173,181
23. Business Photovoltaic for Schools Pilot	\$179,286	\$179,986	\$208,675	\$182,234	\$183,146	\$169,624	\$177,544	\$190,430	\$165,834	\$181,665	\$163,397	\$235,215	\$2,217,036
24. Renewable Research & Demo. Project	\$12,231	\$5,542	\$52,966	(\$15,900)	\$1,669	\$2,548	\$8,913	\$4,241	\$34,115	\$22,810	\$12,696	\$18,231	\$160,063
25. Solar Pilot Projects Common Expenses	\$44,848	\$40,883	\$41,312	\$40,393	\$40,373	\$40,531	\$40,565	\$39,814	\$36,325	\$33,188	\$32,962	\$33,370	\$464,565
26. Cogeneration & Small Power Production	\$47,876	(\$64,190)	\$32,692	\$25,360	\$34,397	\$34,639	\$35,442	\$30,770	\$35,569	\$49,369	\$12,141	\$38,412	\$312,476
27. Conservation Research & Development	\$102,937	\$10,115	\$16,967	\$149,566	\$21,488	\$22,885	\$11,088	\$14,071	\$560	\$0	(\$5,714)	\$19,950	\$363,915
28. Common Expenses	\$973,005	\$763,493	\$1,052,013	\$920,903	\$996,214	\$812,344	\$3,620,118	\$875,266	\$940,499	\$877,405	\$829,245	\$838,919	\$13,499,422
29. Recoverable Conservation Expenses	\$17,819,339	\$15,919,657	\$14,456,644	\$17,272,700	\$18,994,325	\$20,530,729	\$21,474,911	\$20,442,101	\$18,514,493	\$16,173,195	\$12,914,450	\$14,131,242	\$208,643,788

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Total
B. CONSERVATION PROGRAM REVENUES													
1. Residential Load Control Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Conservation Clause Revenues (Net of Revenue Taxes)	\$14,965,321	\$13,754,790	\$14,995,005	\$16,314,863	\$17,549,181	\$18,522,666	\$19,841,544	\$19,597,676	\$19,405,428	\$17,691,133	\$17,093,557	\$16,010,874	\$205,742,038
3. Total Revenues	\$14,965,321	\$13,754,790	\$14,995,005	\$16,314,863	\$17,549,181	\$18,522,666	\$19,841,544	\$19,597,676	\$19,405,428	\$17,691,133	\$17,093,557	\$16,010,874	\$205,742,038
4. Adjustment Not Applicable To Period - Prior True-up	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$429,272	\$5,151,262
5. Conservation Revenues Applicable To Period (Line B3 + B4)	\$15,394,593	\$14,184,062	\$15,424,277	\$16,744,134	\$17,978,453	\$18,951,938	\$20,270,816	\$20,026,947	\$19,834,700	\$18,120,405	\$17,522,829	\$16,440,145	\$210,893,300
6. Conservation Expenses (From CT-3, Page 1, Line 29)	\$17,819,339	\$15,919,657	\$14,456,644	\$17,272,700	\$18,994,325	\$20,530,729	\$21,474,911	\$20,442,101	\$18,514,493	\$16,173,195	\$12,914,450	\$14,131,242	\$208,643,788
7. True-up This Period (Line B5 - Line B6)	(\$2,424,747)	(\$1,735,595)	\$967,633	(\$528,566)	(\$1,015,872)	(\$1,578,791)	(\$1,204,095)	(\$415,154)	\$1,320,208	\$1,947,210	\$4,608,379	\$2,308,903	\$2,249,513
8. Interest Provision For The Month (From CT-3, Page 3, Line C10)	(\$386)	(\$566)	(\$597)	(\$510)	(\$625)	(\$832)	(\$1,023)	(\$1,298)	(\$1,414)	(\$1,348)	(\$1,135)	(\$1,617)	(\$11,350)
9. True-up & Interest Provision Beginning of Month	\$5,151,262	\$2,296,858	\$131,425	\$669,190	(\$289,158)	(\$1,734,927)	(\$3,743,822)	(\$5,378,212)	(\$6,223,936)	(\$5,334,414)	(\$3,817,823)	\$360,149	\$5,151,262
9a. Deferred True-up Beginning of Period	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)	(\$8,356,646)
10. Prior True-up Collected/(Refunded)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$429,272)	(\$5,151,262)
11. End of Period True-up - Over/(Under) Recovery (Line B7+B8+B9+B9a+B10)	(\$6,059,788)	(\$8,225,221)	(\$7,687,456)	(\$8,645,804)	(\$10,091,573)	(\$12,100,468)	(\$13,734,858)	(\$14,580,582)	(\$13,691,060)	(\$12,174,469)	(\$7,996,497)	(\$6,118,483)	(\$6,118,484)

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: CT-3

JANUARY 2015 THROUGH DECEMBER 2015

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Actual	October Actual	November Actual	December Actual	Total
C. INTEREST PROVISION													
1. Beginning True-up Amount (Line B9 + B9a)	(\$3,205,384)	(\$6,059,788)	(\$8,225,221)	(\$7,687,456)	(\$8,645,804)	(\$10,091,573)	(\$12,100,468)	(\$13,734,858)	(\$14,580,582)	(\$13,691,060)	(\$12,174,469)	(\$7,996,497)	(\$118,193,159)
2. Ending True-up Amount Before Interest (Line B7+B9+B9a+B10)	(\$6,059,402)	(\$8,224,655)	(\$7,686,859)	(\$8,645,293)	(\$10,090,948)	(\$12,099,636)	(\$13,733,835)	(\$14,579,284)	(\$13,689,646)	(\$12,173,122)	(\$7,995,362)	(\$6,116,865)	(\$121,094,907)
3. Total of Beginning & Ending True-up (Line C1+C2)	(\$9,264,786)	(\$14,284,443)	(\$15,912,080)	(\$16,332,749)	(\$18,736,752)	(\$22,191,209)	(\$25,834,303)	(\$28,314,142)	(\$28,270,228)	(\$25,864,181)	(\$20,169,831)	(\$14,113,362)	(\$239,288,066)
4. Average True-up Amount (50% of Line C3)	(\$4,632,393)	(\$7,142,222)	(\$7,956,040)	(\$8,166,375)	(\$9,368,376)	(\$11,095,604)	(\$12,917,152)	(\$14,157,071)	(\$14,135,114)	(\$12,932,091)	(\$10,084,916)	(\$7,056,681)	(\$119,644,033)
5. Interest Rate - First Day of Reporting Business Month	0.10000%	0.10000%	0.09000%	0.09000%	0.06000%	0.10000%	0.08000%	0.11000%	0.11000%	0.13000%	0.12000%	0.15000%	N/A
6. Interest Rate - First day of Subsequent Business Month	0.10000%	0.09000%	0.09000%	0.06000%	0.10000%	0.08000%	0.11000%	0.11000%	0.13000%	0.12000%	0.15000%	0.40000%	N/A
7. Total (Line C5 + C6)	0.20000%	0.19000%	0.18000%	0.15000%	0.16000%	0.18000%	0.19000%	0.22000%	0.24000%	0.25000%	0.27000%	0.55000%	N/A
8. Average Interest Rate (50% of Line C7)	0.10000%	0.09500%	0.09000%	0.07500%	0.08000%	0.09000%	0.09500%	0.11000%	0.12000%	0.12500%	0.13500%	0.27500%	N/A
9. Monthly Average Interest Rate (Line C8 / 12)	0.00833%	0.00792%	0.00750%	0.00625%	0.00667%	0.00750%	0.00792%	0.00917%	0.01000%	0.01042%	0.01125%	0.02292%	N/A
10. Interest Provision for the Month (Line C4 x C9)	(\$386)	(\$566)	(\$597)	(\$510)	(\$625)	(\$832)	(\$1,023)	(\$1,298)	(\$1,414)	(\$1,348)	(\$1,135)	(\$1,617)	(\$11,350)

Totals may not add due to rounding.

() Reflects Under-recovery

N/A = Not applicable

<u>Schedule</u>	<u>Sponsored By</u>
CT-1, Page 1	Terry J. Keith
CT-2, Page 1 , Lines 1 -10	Anita Sharma
CT-2, Page 1, Lines 11-18	Terry J. Keith
CT-2, Pages 2 - 5	Anita Sharma
CT-3, Page 1	Anita Sharma
CT-3, Pages 2 - 3	Terry J. Keith
CT-4, Pages 1 - 5	Terry J. Keith
CT-5, Page 1	Anita Sharma
CT-6, Pages 1 - 332	Anita Sharma
Appendix A	Anita Sharma

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 4
PARTY: FLORIDA POWER & LIGHT COMPANY –
DIRECT*Notice of Adoption of Terry J. Keith’s testimony and
exhibits by Renae B. Deaton, filed on October 3, 2016, (FPSC
DN #07927-16).
DESCRIPTION: Anita Sharma AS-1

FPL DSM Program & Pilot Descriptions

FPL's DSM programs are designed to reduce energy consumption and growth of coincident peak demand.

1. Residential Home Energy Survey (HES)

This program educates customers on energy efficiency and encourages implementation of recommended practices and measures, even if these are not included in FPL's DSM programs. The HES is also used to identify potential candidates for other FPL DSM programs.

2. Residential Building Envelope

This program encourages customers to improve the thermal efficiency of the building structure.

3. Residential Duct System Testing and Repair

This program encourages customers to repair air leaks identified in air-conditioning duct systems.

4. Residential Air-Conditioning

This program encourages customers to install high-efficiency central air-conditioning systems.

5. Residential New Construction BuildSmart®

This program encourages builders and developers to design and construct new homes to meet ENERGY STAR® qualifications.

6. Residential Low-Income Weatherization

This program is a partnership with government and non-profit agencies to assist eligible low income residential customers in reducing their heating and cooling costs.

7. Residential Load Management (On-Call)

This program allows FPL to turn off certain customer-selected appliances using FPL-installed equipment during periods of extreme demand, capacity shortages or system emergencies.

8. Business Energy Evaluation (BEE)

This program educates customers on energy efficiency and encourages implementation of recommended practices and measures, even if these are not included in FPL's DSM programs. The BEE is also used to identify potential candidates for other FPL DSM programs

9. Business Efficient Lighting

This program encourages customers to install high-efficiency lighting systems.

10. Business Heating, Ventilating and Air Conditioning (HVAC)

This program encourages customers to install high-efficiency HVAC systems.

11. Business Custom Incentive (BCI)

This program encourages customers to install unique high-efficiency technologies not covered by other FPL DSM programs.

FPL DSM Program & Pilot Descriptions (cont'd)

12. Business Building Envelope

This program encourages customers to improve the thermal efficiency of their building structure.

13. Business Water Heating

This program encourages customers to install high-efficiency water heating systems.

14. Business Refrigeration

This program encourages customers to install high-efficiency refrigeration systems.

15. Business On Call

This program allows FPL to turn off customers' direct expansion central electric air-conditioning units using FPL-installed equipment during periods of extreme demand, capacity shortages or system emergencies.

16. Commercial/Industrial Load Control (CILC)

This program allows FPL to control customer loads of 200 kW or greater during periods of extreme demand, capacity shortages, or system emergencies. It was closed to new participants as of December 31, 2000. It is available to existing participants who had entered into a CILC agreement as of March 19, 1996.

17. Commercial/Industrial Demand Reduction (CDR)

This program allows FPL to control customer loads of 200 kW or greater during periods of extreme demand, capacity shortages, or system emergencies.

18. Residential Solar Water Heating Pilot

This pilot encourages customers to install solar water heating systems.

19. Residential Solar Water Heating (Low Income New Construction) Pilot

This pilot is a partnership with non-profit organizations to provide solar water heating systems to organization-selected low income housing developments.

20. Residential Photovoltaic (PV) Pilot

This pilot encourages customers to install PV systems.

21. Business Solar Water Heating Pilot

This pilot encourages customers to install solar water heating systems.

22. Business PV Pilot

This pilot encourages customers to install PV systems.

23. Business PV for Schools Pilot

Under this pilot, FPL installs PV systems and provides supporting educational training and materials, for selected schools in most public school districts in FPL's territory, to demonstrate and educate students on the practical application of PV.

FPL DSM Program & Pilot Descriptions (cont'd)**24. Renewable Research and Demonstration (RRD) Project:**

Under this project, FPL is conducting a series of demonstrations and renewable technology research projects to increase awareness of solar technologies and to understand and quantify the effectiveness of emerging renewable technologies and their applications (see page 332 for details)

25. Solar Pilot Project Common Expenses

For administrative efficiency, this includes all costs that are not specific to a particular solar pilot.

26. Cogeneration and Small Power Production

This program facilitates the interconnection and administration of contracts for cogenerators and small power producers.

27. Conservation Research & Development (CRD) Project

Under this project, FPL is conducting a series of research projects designed to: identify new energy efficient technologies; evaluate and quantify their impacts on energy, demand and customers; and where appropriate, develop emerging technologies into DSM programs (see pages 331 for details).

28. Common Expenses

For administrative efficiency, this includes all costs that are not specific to a particular program.

Florida Power & Light Company
Program Progress
January through December 2015

Pgm No	Program Title	Accomplishments		2015 Cost & Variance v. Actual/Estimate ¹
		2015	Inception through December 2015	
1	Residential Home Energy Survey	Participants = 149,405	Participants = 3,690,087	Total = \$12,538,228 Variance= (\$449,249)
2	Residential Building Envelope	Participants = 9,105	Participants = 568,209	Total = \$3,151,157 Variance= \$842,754
3	Residential Duct System Testing & Repair	Participants = 1,311	Participants = 504,352	Total = \$541,369 Variance= \$62,181
4	Residential Air Conditioning	Participants = 93,077	Participants = 1,873,841	Total = \$31,909,411 Variance= (\$3,893,872)
5	Residential New Construction (BuildSmart®)	Participants = 3,000	Participants = 38,967	Total = \$506,308 Variance= (\$63,873)
6	Residential Low-Income Weatherization	Participants = 264	Participants = 8,961	Total = \$88,707 Variance= \$7,938
7	Residential Load Management (On Call)	Participants = 4,422	Participants = 802,455	Total = \$53,687,518 Variance= (\$3,161,294)
8	Business Energy Evaluation	Participants = 12,253	Participants = 215,377	Total = \$7,607,297 Variance= (\$764,641)
9	Business Efficient Lighting	kW = 1,830	kW = 289,837	Total = \$351,519 Variance= (\$24,233)
10	Business Heating, Ventilating and Air-Conditioning	kW = 5,904	kW = 393,553	Total = \$2,734,736 Variance= (\$1,161,079)
11	Business Custom Incentive	kW= 2,378	kW = 49,629	Total = \$483,941 Variance= \$32,547
12	Business Building Envelope	kW = 4,681	kW = 120,983	Total = \$4,305,527 Variance= \$685,552
13	Business Water Heating	kW = 6	kW = 286	Total = \$8,210 Variance= (\$1,374)
14	Business Refrigeration	kW = 90	kW = 2,005	Total = \$26,962 Variance= \$2,275
15	Business On-Call	kW = 3,322	MW = 103	Total = \$3,820,802 Variance= (\$168,237)
16	Commercial/Industrial Load Control (CILC)	Closed to new participants	MW = 460	Total = \$39,881,827 Variance = (\$46,890)
17	Commercial/Industrial Demand Reduction (CDR)	kW= 8,216	MW = 246	Total = \$18,602,179 Variance = (\$397,679)
18	Residential Solar Water Heating Pilot	kW = 139	kW = 1,051	Total = \$1,071,853 Variance= (\$87,948)
19	Residential Solar Water Heating (Low Income New Construction) Pilot	kW = 11	kW = 126	Total = \$323,307 Variance= (\$246,733)
20	Residential Photovoltaic Pilot	kW = 1,438	kW = 4,840	Total = \$7,789,754 Variance= (\$41,539)
21	Business Solar Water Heating Pilot	kW = 1	kW = 126	Total = \$22,516 Variance= (\$100,639)
22	Business Photovoltaic Pilot	kW = 797	kW = 3,580	Total = \$2,173,181 Variance= (\$429,060)
23	Business Photovoltaic for Schools Pilot	Participants = 24	Participants = 116	Total = \$2,217,036 Variance= \$26,983
24	Renewable Research & Demonstration Project	Not Applicable	Not Applicable	Total = \$160,063 Variance= (\$28,341)
25	Solar Pilot Projects Common Expenses	Not Applicable	Not Applicable	Total = \$464,565 Variance= (\$3,511)
26	Cogeneration & Small Power Production	Firm MW = 635 GWh Purchased = 1,172 Firm = 5; As Available = 12	MW Under Contract = 635 MW Committed = 635	Total = \$321,476 Variance = \$6,296
27	Conservation Research & Development	Not Applicable	Not Applicable	Total = \$363,917 Variance= (\$75,221)
28	Common Expenses	Not Applicable	Not Applicable	Total = \$13,499,422 Variance= (\$623,433)

¹ Variance where actuals less than Actual/Estimate shown with ()

- kW and MW reduction are at the generator

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0	0	0	0	
2015	1	10	0	10	10	4	168	0	168	
2016	0	0	0	0	21	9	0	0	0	
2017	0	0	0	0	22	9	0	0	0	
2018	0	0	0	0	25	9	0	0	0	
2019	0	0	0	0	27	10	0	0	0	
2020	0	0	0	0	27	10	0	0	0	
2021	0	0	0	0	28	10	0	0	0	
2022	0	0	0	0	28	11	0	0	0	
2023	0	0	0	0	30	10	0	0	0	
2024	0	0	0	0	30	10	0	0	0	
2025	0	0	0	0	31	10	0	0	0	
2026	0	0	0	0	32	10	0	0	0	
2027	0	0	0	0	33	10	0	0	0	
2028	1	10	0	10	34	10	231	0	231	
2029	0	0	0	0	36	10	0	0	0	
2030	0	0	0	0	37	10	0	0	0	
2031	0	0	0	0	38	10	0	0	0	
2032	0	0	0	0	40	10	0	0	0	
2033	0	0	0	0	44	11	0	0	0	
2034	0	0	0	0	46	11	0	0	0	
2035	0	0	0	0	48	11	0	0	0	
2036	0	0	0	0	52	11	0	0	0	
2037	0	0	0	0	54	11	0	0	0	
2038	0	0	0	0	57	11	0	0	0	
2039	0	0	0	0	59	11	0	0	0	
2040	0	0	0	0	61	11	0	0	0	
2041	1	10	0	10	64	12	319	0	319	
2042	0	0	0	0	68	12	0	0	0	
2043	0	0	0	0	72	12	0	0	0	
2044	0	0	0	0	76	12	0	0	0	
2045	0	0	0	0	80	12	0	0	0	
2046	0	0	0	0	84	12	0	0	0	
2047	0	0	0	0	88	12	0	0	0	
2048	0	0	0	0	93	12	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	2	29	0	31	1,577	357	718	0	718	
NPV	1	14	0	14	412	118	285	0	285	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$ (000)	(12) PRESENT WORTH FIXED CHARGES \$ (000)	(13) CUMULATIVE PW FIXED CHARGES \$ (000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$ (000)
2019	63	1	0	4	2	1	0	2	0	11	11	11	62
2020	60	1	0	4	2	1	0	2	1	11	10	21	63
2021	57	1	0	4	2	1	0	2	1	10	9	30	65
2022	55	1	0	3	2	1	0	2	1	10	8	38	67
2023	52	1	0	3	2	1	0	2	1	9	7	45	68
2024	49	1	0	3	2	1	0	2	0	9	6	51	70
2025	47	1	0	3	2	1	0	2	0	9	6	57	72
2026	44	1	0	3	1	1	0	2	0	8	5	62	73
2027	42	1	0	3	1	1	0	2	0	8	5	66	75
2028	39	1	0	2	1	1	0	2	0	8	4	70	77
2029	37	1	0	2	1	1	0	2	0	7	4	74	79
2030	35	1	0	2	1	1	0	2	0	7	3	77	81
2031	32	1	0	2	1	1	0	2	0	7	3	80	83
2032	30	1	0	2	1	1	0	2	0	6	3	82	85
2033	28	1	0	2	1	1	0	2	0	6	2	85	87
2034	25	1	0	2	1	1	0	2	0	6	2	86	90
2035	23	0	0	1	1	0	0	2	0	5	2	88	92
2036	21	0	0	1	1	0	0	2	0	5	2	90	94
2037	18	0	0	1	0	0	0	2	0	5	1	91	96
2038	16	0	0	1	0	0	0	2	0	5	1	92	99
2039	14	0	0	1	1	0	0	2	(0)	4	1	93	101
2040	12	0	0	1	1	0	0	2	(1)	4	1	94	104
2041	10	0	0	1	1	0	0	2	(1)	4	1	95	106
2042	9	0	0	1	1	0	0	2	(1)	4	1	95	109
2043	8	0	0	0	1	0	0	2	(1)	3	1	96	112
2044	7	0	0	0	1	0	0	2	(1)	3	1	97	115
2045	5	0	0	0	1	0	0	2	(1)	3	0	97	117
2046	4	0	0	0	1	0	0	2	(1)	3	0	97	120
2047	3	0	0	0	1	0	0	2	(1)	3	0	98	123
2048	1	0	0	0	1	0	0	2	(1)	2	0	98	126

IN SERVICE COST	(\$000)	62
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.05
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	4	7	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	11	2	6	2	6	1	3	0	0	0	1	1
2022	6.18%	4	14	2	8	2	8	1	3	0	0	0	1	2
2023	5.71%	3	18	2	10	2	10	1	3	0	0	0	1	2
2024	5.29%	3	21	2	12	2	12	0	3	0	0	0	0	3
2025	4.89%	3	24	2	14	2	14	0	3	0	0	0	0	3
2026	4.52%	3	27	2	16	2	16	0	3	0	0	0	0	3
2027	4.46%	3	30	2	19	2	18	0	3	0	0	0	0	4
2028	4.46%	3	32	2	21	2	20	0	3	0	0	0	0	4
2029	4.46%	3	35	2	23	2	21	0	3	0	0	0	0	4
2030	4.46%	3	38	2	25	2	23	0	3	0	0	0	0	5
2031	4.46%	3	40	2	27	2	25	0	3	0	0	0	0	5
2032	4.46%	3	43	2	29	2	27	0	3	0	0	0	0	5
2033	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	6
2034	4.46%	3	49	2	33	2	31	0	3	0	0	0	0	6
2035	4.46%	3	51	2	35	2	33	0	3	0	0	0	0	6
2036	4.46%	3	54	2	37	2	35	0	3	0	0	0	0	6
2037	4.46%	3	57	2	39	2	37	0	3	0	0	0	0	7
2038	4.46%	3	59	2	41	2	39	0	3	0	0	0	0	7
2039	2.23%	1	61	2	43	2	41	(0)	3	0	0	0	(0)	7
2040	0.00%	0	61	2	45	2	43	(1)	3	0	0	0	(1)	6
2041	0.00%	0	61	2	47	2	45	(1)	3	0	0	0	(1)	5
2042	0.00%	0	61	2	49	2	47	(1)	3	0	0	0	(1)	5
2043	0.00%	0	61	2	52	2	49	(1)	3	0	0	0	(1)	4
2044	0.00%	0	61	2	54	2	51	(1)	3	0	0	0	(1)	3
2045	0.00%	0	61	2	56	2	53	(1)	3	0	0	0	(1)	2
2046	0.00%	0	61	2	58	2	55	(1)	3	0	0	0	(1)	2
2047	0.00%	0	61	2	60	2	57	(1)	3	0	0	0	(1)	1
2048	0.00%	0	61	2	62	2	59	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	2	0	60	2	(1)	63	60	62
2020	7.22%	4	1	58	4	0	60	57	59
2021	6.68%	4	1	56	6	1	57	55	56
2022	6.18%	4	1	54	8	2	55	52	53
2023	5.71%	3	1	52	10	2	52	49	51
2024	5.29%	3	0	49	12	3	49	47	48
2025	4.89%	3	0	47	14	3	47	44	45
2026	4.52%	3	0	45	16	3	44	42	43
2027	4.46%	3	0	43	19	4	42	39	41
2028	4.46%	3	0	41	21	4	39	37	38
2029	4.46%	3	0	39	23	4	37	35	36
2030	4.46%	3	0	37	25	5	35	32	34
2031	4.46%	3	0	35	27	5	32	30	31
2032	4.46%	3	0	33	29	5	30	28	29
2033	4.46%	3	0	31	31	6	28	25	27
2034	4.46%	3	0	29	33	6	25	23	24
2035	4.46%	3	0	27	35	6	23	21	22
2036	4.46%	3	0	25	37	6	21	18	19
2037	4.46%	3	0	23	39	7	18	16	17
2038	4.46%	3	0	21	41	7	16	14	15
2039	2.23%	1	(0)	19	43	7	14	12	13
2040	0.00%	0	(1)	16	45	6	12	10	11
2041	0.00%	0	(1)	14	47	5	10	9	10
2042	0.00%	0	(1)	12	49	5	9	8	8
2043	0.00%	0	(1)	10	52	4	8	7	7
2044	0.00%	0	(1)	8	54	3	7	5	6
2045	0.00%	0	(1)	6	56	2	5	4	5
2046	0.00%	0	(1)	4	58	2	4	3	3
2047	0.00%	0	(1)	2	60	1	3	1	2
2048	0.00%	0	(1)	0	62	0	1	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	57	57	57
EQUITY AFUDC	3		
DEBT AFUDC	1	1	
CPI			4
TOTAL	62	59	61

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: XXXXXXXXXX

(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
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	11	4	0	13	17	11
2020	10	4	0	23	28	10
2021	10	5	0	23	29	9
2022	10	5	0	24	28	10
2023	9	5	0	25	29	10
2024	9	5	0	26	30	10
2025	9	5	0	27	31	10
2026	8	5	0	27	30	10
2027	8	5	0	28	31	10
2028	8	5	0	29	32	11
2029	7	6	0	30	33	10
2030	7	6	0	31	33	10
2031	7	6	0	32	35	10
2032	6	6	1	33	36	10
2033	6	6	1	35	37	10
2034	6	6	1	36	39	10
2035	5	6	1	37	40	10
2036	5	7	1	39	41	10
2037	5	7	1	40	42	10
2038	4	7	1	42	44	10
2039	4	7	1	43	45	10
2040	4	7	1	45	47	10
2041	4	7	1	46	48	10
2042	3	8	1	48	50	10
2043	3	8	1	50	52	10
2044	3	8	1	52	54	10
2045	3	8	1	54	56	10
2046	3	8	1	56	58	10
2047	2	9	1	58	59	10
2048	2	9	1	60	62	11
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	180	189	16	1,111	1,194	303
NPV	66	49	4	267	298	89

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : XXXXXXXXXX

(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)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	23	0
2016	2	0	2	0	0	0	75	0
2017	2	0	2	0	0	0	63	0
2018	2	0	2	0	0	0	83	0
2019	2	0	2	0	0	0	118	0
2020	1	0	2	0	0	0	109	0
2021	1	0	2	0	0	0	101	0
2022	1	0	2	0	0	0	94	0
2023	1	0	2	0	0	0	95	0
2024	1	0	2	0	0	0	84	0
2025	1	0	2	0	0	0	105	0
2026	1	0	1	0	0	0	98	0
2027	1	0	1	0	0	0	92	0
2028	1	0	1	0	0	0	105	0
2029	1	0	1	0	0	0	81	0
2030	1	0	1	0	0	0	96	0
2031	1	0	1	0	0	0	100	0
2032	1	0	1	0	0	0	72	0
2033	1	0	1	0	0	0	103	0
2034	1	0	1	0	0	0	75	0
2035	1	0	1	0	0	0	65	0
2036	1	0	1	0	0	0	77	0
2037	1	0	1	0	0	0	80	0
2038	1	0	1	0	0	0	76	0
2039	1	0	1	0	0	0	71	0
2040	1	0	1	0	0	0	71	0
2041	1	0	1	0	0	0	76	0
2042	1	0	1	0	0	0	86	0
2043	1	0	1	0	0	0	82	0
2044	1	0	1	0	0	0	89	0
2045	1	0	1	0	0	0	84	0
2046	1	1	1	0	0	0	75	0
2047	0	1	1	0	0	0	78	0
2048	0	1	1	0	0	0	95	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	32	12	44	4	6	10	2,877	0
NPV	14	4	17	2	2	4	1,024	0

* 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: [REDACTED]

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	2	3	3	0	2
2023	3	4	4	0	3
2024	4	5	5	0	4
2025	4	5	5	0	4
2026	4	5	6	0	4
2027	4	6	6	0	5
2028	5	6	7	0	5
2029	5	7	8	0	6
2030	6	8	8	0	6
2031	7	9	9	0	7
2032	7	9	10	0	8
2033	8	10	11	0	8
2034	9	11	12	0	9
2035	9	12	13	0	10
2036	10	13	14	0	11
2037	11	14	15	0	12
2038	12	16	16	0	13
2039	13	17	18	0	14
2040	14	18	19	0	15
2041	15	20	21	0	16
2042	16	21	22	0	17
2043	17	23	24	0	18
2044	19	24	26	0	20
2045	20	26	27	0	21
2046	21	28	29	0	23
2047	23	30	31	0	24
2048	24	32	33	0	26
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	292	383	402	0	311
NPV	53	69	73	0	56

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXX

(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)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	168	0	168	0	0	23	0	24	(145)	(135)
2016	0	0	0	0	0	0	2	75	0	78	78	(67)
2017	0	0	0	0	0	0	2	63	0	66	66	(14)
2018	0	0	0	0	0	0	2	83	0	86	86	50
2019	0	0	0	0	0	11	2	118	0	132	132	141
2020	0	0	0	0	0	10	2	109	0	120	120	219
2021	0	0	0	0	0	9	2	101	0	113	113	287
2022	0	0	0	0	0	10	2	94	2	108	108	348
2023	0	0	0	0	0	10	2	95	3	110	110	405
2024	0	0	0	0	0	10	2	84	4	99	99	453
2025	0	0	0	0	0	10	2	105	4	121	121	508
2026	0	0	0	0	0	10	2	98	4	115	115	556
2027	0	0	0	0	0	10	2	92	5	109	109	598
2028	0	1	231	0	232	11	2	105	5	123	(109)	559
2029	0	0	0	0	0	10	2	81	6	98	98	592
2030	0	0	0	0	0	10	2	96	6	114	114	628
2031	0	0	0	0	0	10	2	100	7	118	118	662
2032	0	0	0	0	0	10	2	72	8	91	91	687
2033	0	0	0	0	0	10	1	103	8	122	122	718
2034	0	0	0	0	0	10	1	75	9	96	96	740
2035	0	0	0	0	0	10	1	65	10	87	87	759
2036	0	0	0	0	0	10	1	77	11	100	100	779
2037	0	0	0	0	0	10	1	80	12	104	104	799
2038	0	0	0	0	0	10	1	76	13	100	100	816
2039	0	0	0	0	0	10	1	71	14	96	96	832
2040	0	0	0	0	0	10	1	71	15	97	97	847
2041	0	1	319	0	320	10	1	76	16	103	(217)	816
2042	0	0	0	0	0	10	1	86	17	115	115	831
2043	0	0	0	0	0	10	1	82	18	112	112	845
2044	0	0	0	0	0	10	1	89	20	120	120	859
2045	0	0	0	0	0	10	1	84	21	117	117	871
2046	0	0	0	0	0	10	1	75	23	109	109	882
2047	0	0	0	0	0	10	1	78	24	113	113	892
2048	0	0	0	0	0	11	1	95	26	132	132	903
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	718	0	721	303	54	2,877	311	3,546	2,826	
NPV	0	1	285	0	286	89	21	1,024	56	1,190	903	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 4.16

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	10	15	0	25	23	0	0	0	24	(1)	(1)
2016	0	0	0	30	0	30	75	2	0	0	78	48	41
2017	0	0	0	31	0	31	63	2	0	0	66	35	69
2018	0	0	0	34	0	34	83	2	0	0	86	52	108
2019	0	0	0	37	0	37	130	2	0	0	132	95	174
2020	0	0	0	37	0	37	118	2	0	0	120	83	228
2021	0	0	0	38	0	38	111	2	0	0	113	75	273
2022	0	0	0	39	0	39	104	2	0	2	108	69	312
2023	0	0	0	40	0	40	105	2	0	3	110	70	348
2024	0	0	0	41	0	41	93	2	0	4	99	58	376
2025	0	0	0	41	0	41	115	2	0	4	121	79	412
2026	0	0	0	42	0	42	109	2	0	4	115	73	443
2027	0	0	0	43	0	43	102	2	0	5	109	65	468
2028	0	1	10	45	0	55	116	2	0	5	123	68	493
2029	0	0	0	46	0	46	91	2	0	6	98	53	510
2030	0	0	0	47	0	47	106	2	0	6	114	67	532
2031	0	0	0	48	0	48	109	2	0	7	118	70	552
2032	0	0	0	51	0	51	82	2	0	8	91	40	563
2033	0	0	0	55	0	55	112	1	0	8	122	68	580
2034	0	0	0	57	0	57	85	1	0	9	96	39	589
2035	0	0	0	59	0	59	75	1	0	10	87	28	595
2036	0	0	0	63	0	63	88	1	0	11	100	37	603
2037	0	0	0	65	0	65	90	1	0	12	104	38	610
2038	0	0	0	68	0	68	86	1	0	13	100	32	615
2039	0	0	0	71	0	71	81	1	0	14	96	26	620
2040	0	0	0	73	0	73	81	1	0	15	97	24	623
2041	0	1	10	76	0	86	86	1	0	16	103	17	626
2042	0	0	0	79	0	79	96	1	0	17	115	36	630
2043	0	0	0	84	0	84	92	1	0	18	112	28	634
2044	0	0	0	88	0	88	99	1	0	20	120	32	637
2045	0	0	0	92	0	92	94	1	0	21	117	25	640
2046	0	0	0	96	0	96	85	1	0	23	109	13	641
2047	0	0	0	101	0	101	88	1	0	24	113	13	643
2048	0	0	0	105	0	105	105	1	0	26	132	27	645
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	29	1,934	0	1,965	3,181	54	0	311	3,546	1,582	
NPV	0	1	14	530	0	545	1,113	21	0	56	1,190	645	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.18

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	60.45 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	79.48808 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	269,394.51 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

1 CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	74	2	0	5	3	1	0	2	0	13	13	13	73
2020	72	1	0	4	2	1	0	2	1	13	12	25	75
2021	68	1	0	4	2	1	0	2	1	12	10	35	77
2022	65	1	0	4	2	1	0	2	1	12	9	45	79
2023	62	1	0	4	2	1	0	2	1	11	8	53	81
2024	58	1	0	4	2	1	0	2	1	11	8	60	83
2025	55	1	0	3	2	1	0	2	0	10	7	67	85
2026	52	1	0	3	2	1	0	2	0	10	6	73	87
2027	50	1	0	3	2	1	0	2	0	10	5	79	89
2028	47	1	0	3	2	1	0	2	0	9	5	83	92
2029	44	1	0	3	1	1	0	2	0	9	4	88	94
2030	41	1	0	3	1	1	0	2	0	8	4	91	96
2031	38	1	0	2	1	1	0	2	0	8	3	95	99
2032	36	1	0	2	1	1	0	2	0	8	3	98	101
2033	33	1	0	2	1	1	0	2	0	7	3	100	104
2034	30	1	0	2	1	1	0	2	0	7	2	103	106
2035	27	1	0	2	1	1	0	2	0	7	2	105	109
2036	25	0	0	2	1	1	0	2	0	6	2	107	112
2037	22	0	0	1	1	0	0	2	0	6	2	108	114
2038	19	0	0	1	0	0	0	2	0	5	1	109	117
2039	16	0	0	1	1	0	0	2	(0)	5	1	111	120
2040	14	0	0	1	2	0	0	2	(1)	5	1	112	123
2041	12	0	0	1	1	0	0	2	(1)	4	1	112	126
2042	11	0	0	1	1	0	0	2	(1)	4	1	113	129
2043	9	0	0	1	1	0	0	2	(1)	4	1	114	133
2044	8	0	0	0	1	0	0	2	(1)	4	1	115	136
2045	6	0	0	0	1	0	0	2	(1)	3	1	115	139
2046	5	0	0	0	1	0	0	2	(1)	3	0	116	143
2047	3	0	0	0	1	0	0	2	(1)	3	0	116	146
2048	2	0	0	0	1	(0)	0	2	(1)	3	0	116	150

IN SERVICE COST	(\$000)	73
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	5	1	4	0	0	0	1	0
2021	6.68%	5	13	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	4	17	2	10	2	9	1	4	0	0	0	1	2
2023	5.71%	4	21	2	12	2	12	1	4	0	0	0	1	3
2024	5.29%	4	25	2	15	2	14	1	4	0	0	0	1	3
2025	4.89%	4	29	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	32	2	20	2	19	0	4	0	0	0	0	4
2027	4.46%	3	35	2	22	2	21	0	4	0	0	0	0	4
2028	4.46%	3	38	2	24	2	23	0	4	0	0	0	0	5
2029	4.46%	3	42	2	27	2	26	0	4	0	0	0	0	5
2030	4.46%	3	45	2	29	2	28	0	4	0	0	0	0	6
2031	4.46%	3	48	2	32	2	30	0	4	0	0	0	0	6
2032	4.46%	3	51	2	34	2	32	0	4	0	0	0	0	6
2033	4.46%	3	55	2	37	2	35	0	4	0	0	0	0	7
2034	4.46%	3	58	2	39	2	37	0	4	0	0	0	0	7
2035	4.46%	3	61	2	42	2	39	0	4	0	0	0	0	7
2036	4.46%	3	64	2	44	2	42	0	4	0	0	0	0	8
2037	4.46%	3	67	2	46	2	44	0	4	0	0	0	0	8
2038	4.46%	3	71	2	49	2	46	0	4	0	0	0	0	8
2039	2.23%	2	72	2	51	2	49	(0)	4	0	0	0	(0)	8
2040	0.00%	0	72	2	54	2	51	(1)	4	0	0	0	(1)	7
2041	0.00%	0	72	2	56	2	53	(1)	4	0	0	0	(1)	6
2042	0.00%	0	72	2	59	2	56	(1)	4	0	0	0	(1)	5
2043	0.00%	0	72	2	61	2	58	(1)	4	0	0	0	(1)	4
2044	0.00%	0	72	2	64	2	60	(1)	4	0	0	0	(1)	4
2045	0.00%	0	72	2	66	2	63	(1)	4	0	0	0	(1)	3
2046	0.00%	0	72	2	68	2	65	(1)	4	0	0	0	(1)	2
2047	0.00%	0	72	2	71	2	67	(1)	4	0	0	0	(1)	1
2048	0.00%	0	72	2	73	2	70	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	71	2	(1)	74	72	73
2020	7.22%	5	1	68	5	0	72	68	70
2021	6.68%	5	1	66	7	1	68	65	67
2022	6.18%	4	1	64	10	2	65	62	63
2023	5.71%	4	1	61	12	3	62	58	60
2024	5.29%	4	1	59	15	3	58	55	57
2025	4.89%	4	0	56	17	4	55	52	54
2026	4.52%	3	0	54	20	4	52	50	51
2027	4.46%	3	0	51	22	4	50	47	48
2028	4.46%	3	0	49	24	5	47	44	45
2029	4.46%	3	0	46	27	5	44	41	43
2030	4.46%	3	0	44	29	6	41	38	40
2031	4.46%	3	0	42	32	6	38	36	37
2032	4.46%	3	0	39	34	6	36	33	34
2033	4.46%	3	0	37	37	7	33	30	31
2034	4.46%	3	0	34	39	7	30	27	29
2035	4.46%	3	0	32	42	7	27	25	26
2036	4.46%	3	0	29	44	8	25	22	23
2037	4.46%	3	0	27	46	8	22	19	20
2038	4.46%	3	0	24	49	8	19	16	18
2039	2.23%	2	(0)	22	51	8	16	14	15
2040	0.00%	0	(1)	20	54	7	14	12	13
2041	0.00%	0	(1)	17	56	6	12	11	12
2042	0.00%	0	(1)	15	59	5	11	9	10
2043	0.00%	0	(1)	12	61	4	9	8	9
2044	0.00%	0	(1)	10	64	4	8	6	7
2045	0.00%	0	(1)	7	66	3	6	5	5
2046	0.00%	0	(1)	5	68	2	5	3	4
2047	0.00%	0	(1)	2	71	1	3	2	2
2048	0.00%	0	(1)	(0)	73	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776.3262845
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	68	68	68
EQUITY AFUDC	4		
DEBT AFUDC	2	2	
CPI			4
TOTAL	73	70	72

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	15	20	14
2020	13	5	0	27	33	12
2021	12	6	1	27	34	11
2022	12	6	1	28	34	12
2023	11	6	1	29	34	13
2024	11	6	1	31	36	12
2025	10	6	1	32	37	12
2026	10	6	1	32	36	13
2027	10	6	1	33	37	12
2028	9	7	1	34	38	13
2029	9	7	1	36	39	12
2030	8	7	1	36	40	13
2031	8	7	1	38	42	12
2032	8	7	1	39	42	13
2033	7	7	1	41	44	12
2034	7	8	1	43	46	12
2035	7	8	1	44	47	12
2036	6	8	1	46	48	12
2037	6	8	1	48	50	12
2038	5	8	1	50	52	12
2039	5	9	1	51	53	13
2040	5	9	1	53	55	12
2041	4	9	1	55	57	12
2042	4	9	1	57	59	13
2043	4	9	1	59	61	12
2044	4	10	1	62	64	12
2045	3	10	1	64	66	12
2046	3	10	1	67	68	13
2047	3	10	1	69	70	13
2048	3	11	1	72	73	13
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	220	230	20	1,319	1,417	372
NPV	81	60	5	318	354	109

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : ██████████

(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)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	12	0
2016	2	0	2	0	0	0	37	0
2017	2	0	2	0	0	0	31	0
2018	2	0	2	0	0	0	35	0
2019	2	0	2	0	0	0	51	0
2020	2	0	2	0	0	0	61	0
2021	2	0	2	0	0	0	56	0
2022	2	0	2	0	0	0	48	0
2023	2	0	2	0	0	0	43	0
2024	2	0	2	0	0	0	43	0
2025	1	0	2	0	0	0	54	0
2026	1	0	2	0	0	0	59	0
2027	1	0	2	0	0	0	51	0
2028	1	0	2	0	0	0	52	0
2029	1	0	2	0	0	0	39	0
2030	1	0	2	0	0	0	44	0
2031	1	0	2	0	0	0	52	0
2032	1	0	1	0	0	0	46	0
2033	1	0	1	0	0	0	48	0
2034	1	0	1	0	0	0	39	0
2035	1	0	1	0	0	0	35	0
2036	1	0	1	0	0	0	52	0
2037	1	0	1	0	0	0	54	0
2038	1	1	1	0	0	0	49	0
2039	1	1	1	0	0	0	40	0
2040	1	1	1	0	0	0	42	0
2041	1	1	1	0	0	0	46	0
2042	1	1	1	0	0	0	54	0
2043	1	1	1	0	0	0	50	0
2044	1	1	1	0	0	0	55	0
2045	1	1	1	0	0	0	49	0
2046	1	1	1	0	0	0	39	0
2047	1	1	1	0	0	0	40	0
2048	1	1	1	0	0	0	56	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	39	15	54	5	7	12	1,561	0
NPV	17	4	21	2	2	4	531	0

* 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: [REDACTED]

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	3	3	1	0	1
2023	4	5	2	0	1
2024	4	6	2	0	1
2025	5	6	3	0	1
2026	5	6	3	0	1
2027	5	7	3	0	1
2028	6	8	3	0	2
2029	6	8	4	0	2
2030	7	9	4	0	2
2031	8	10	4	0	2
2032	9	11	5	0	2
2033	9	12	5	0	2
2034	10	13	6	0	3
2035	11	15	6	0	3
2036	12	16	7	0	3
2037	13	17	7	0	3
2038	14	19	8	0	4
2039	15	20	9	0	4
2040	17	22	9	0	4
2041	18	23	10	0	5
2042	19	25	11	0	5
2043	21	27	12	0	5
2044	22	29	13	0	6
2045	24	31	13	0	6
2046	25	33	14	0	6
2047	27	35	15	0	7
2048	29	38	16	0	7
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	347	455	197	0	89
NPV	62	82	36	0	16

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	12	0	12	0	24	100	0	0	100	(76)	(71)
2016	24	0	0	0	24	0	0	0	0	24	(50)
2017	24	0	0	0	24	0	0	0	0	24	(30)
2018	26	0	0	0	26	0	0	0	0	26	(11)
2019	28	0	0	0	28	0	0	0	0	28	9
2020	29	0	0	0	29	0	0	0	0	29	28
2021	30	0	12	0	42	116	0	0	116	(74)	(17)
2022	31	0	0	0	31	0	0	0	0	31	1
2023	31	0	0	0	31	0	0	0	0	31	17
2024	31	0	0	0	31	0	0	0	0	31	32
2025	32	0	0	0	32	0	0	0	0	32	46
2026	32	0	0	0	32	0	0	0	0	32	59
2027	33	0	12	0	45	134	0	0	134	(89)	25
2028	33	0	0	0	33	0	0	0	0	33	37
2029	34	0	0	0	34	0	0	0	0	34	48
2030	35	0	0	0	35	0	0	0	0	35	59
2031	36	0	0	0	36	0	0	0	0	36	70
2032	37	0	0	0	37	0	0	0	0	37	80
2033	40	0	12	0	52	156	0	0	156	(103)	54
2034	41	0	0	0	41	0	0	0	0	41	64
2035	43	0	0	0	43	0	0	0	0	43	73
2036	45	0	0	0	45	0	0	0	0	45	82
2037	47	0	0	0	47	0	0	0	0	47	91
2038	48	0	0	0	48	0	0	0	0	48	99
2039	50	0	12	0	62	181	0	0	181	(118)	80
2040	51	0	0	0	51	0	0	0	0	51	88
2041	53	0	0	0	53	0	0	0	0	53	95
2042	55	0	0	0	55	0	0	0	0	55	103
2043	58	0	0	0	58	0	0	0	0	58	110
2044	61	0	0	0	61	0	0	0	0	61	117
2045	63	0	12	0	75	210	0	0	210	(134)	102
2046	66	0	0	0	66	0	0	0	0	66	109
2047	69	0	0	0	69	0	0	0	0	69	115
2048	72	0	0	0	72	0	0	0	0	72	121
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
NOM	1,399	0	75	0	1,474	896	0	0	896	577	
NPV	397	0	30	0	427	306	0	0	306	121	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.40

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	50.46 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	66.35053 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	359,752.92 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST	0.00 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	62	1	0	4	2	1	0	2	0	11	11	11	61
2020	60	1	0	4	1	1	0	2	1	11	10	21	63
2021	57	1	0	4	2	1	0	2	1	10	9	29	64
2022	54	1	0	3	2	1	0	2	1	10	8	37	66
2023	51	1	0	3	2	1	0	2	1	9	7	44	68
2024	49	1	0	3	2	1	0	2	0	9	6	51	69
2025	46	1	0	3	1	1	0	2	0	9	6	56	71
2026	44	1	0	3	1	1	0	2	0	8	5	61	73
2027	42	1	0	3	1	1	0	2	0	8	4	66	75
2028	39	1	0	2	1	1	0	2	0	8	4	70	77
2029	37	1	0	2	1	1	0	2	0	7	4	73	79
2030	35	1	0	2	1	1	0	2	0	7	3	77	81
2031	32	1	0	2	1	1	0	2	0	7	3	79	83
2032	30	1	0	2	1	1	0	2	0	6	2	82	85
2033	28	1	0	2	1	1	0	2	0	6	2	84	87
2034	25	1	0	2	1	1	0	2	0	6	2	86	89
2035	23	0	0	1	1	0	0	2	0	5	2	88	91
2036	21	0	0	1	1	0	0	2	0	5	1	89	93
2037	18	0	0	1	0	0	0	2	0	5	1	90	96
2038	16	0	0	1	0	0	0	2	0	4	1	92	98
2039	13	0	0	1	1	0	0	2	(0)	4	1	93	101
2040	12	0	0	1	1	0	0	2	(1)	4	1	93	103
2041	10	0	0	1	1	0	0	2	(1)	4	1	94	106
2042	9	0	0	1	1	0	0	2	(1)	4	1	95	108
2043	8	0	0	0	1	0	0	2	(1)	3	1	95	111
2044	6	0	0	0	1	0	0	2	(1)	3	1	96	114
2045	5	0	0	0	1	0	0	2	(1)	3	0	96	117
2046	4	0	0	0	1	0	0	2	(1)	3	0	97	120
2047	3	0	0	0	1	0	0	2	(1)	3	0	97	123
2048	1	0	0	0	1	0	0	2	(1)	2	0	97	126

IN SERVICE COST (\$000)	61
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE		
SOURCE	WEIGHT	COST
DEBT	40%	5.14
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	4	7	2	4	2	4	1	3	0	0	0	1	0
2021	6.68%	4	11	2	6	2	6	1	3	0	0	0	1	1
2022	6.18%	4	14	2	8	2	8	1	3	0	0	0	1	2
2023	5.71%	3	18	2	10	2	10	1	3	0	0	0	1	2
2024	5.29%	3	21	2	12	2	12	0	3	0	0	0	0	3
2025	4.89%	3	24	2	14	2	14	0	3	0	0	0	0	3
2026	4.52%	3	27	2	16	2	16	0	3	0	0	0	0	3
2027	4.46%	3	29	2	18	2	17	0	3	0	0	0	0	4
2028	4.46%	3	32	2	20	2	19	0	3	0	0	0	0	4
2029	4.46%	3	35	2	22	2	21	0	3	0	0	0	0	4
2030	4.46%	3	37	2	25	2	23	0	3	0	0	0	0	5
2031	4.46%	3	40	2	27	2	25	0	3	0	0	0	0	5
2032	4.46%	3	43	2	29	2	27	0	3	0	0	0	0	5
2033	4.46%	3	46	2	31	2	29	0	3	0	0	0	0	5
2034	4.46%	3	48	2	33	2	31	0	3	0	0	0	0	6
2035	4.46%	3	51	2	35	2	33	0	3	0	0	0	0	6
2036	4.46%	3	54	2	37	2	35	0	3	0	0	0	0	6
2037	4.46%	3	56	2	39	2	37	0	3	0	0	0	0	7
2038	4.46%	3	59	2	41	2	39	0	3	0	0	0	0	7
2039	2.23%	1	60	2	43	2	41	(0)	3	0	0	0	(0)	7
2040	0.00%	0	60	2	45	2	43	(1)	3	0	0	0	(1)	6
2041	0.00%	0	60	2	47	2	45	(1)	3	0	0	0	(1)	5
2042	0.00%	0	60	2	49	2	47	(1)	3	0	0	0	(1)	4
2043	0.00%	0	60	2	51	2	48	(1)	3	0	0	0	(1)	4
2044	0.00%	0	60	2	53	2	50	(1)	3	0	0	0	(1)	3
2045	0.00%	0	60	2	55	2	52	(1)	3	0	0	0	(1)	2
2046	0.00%	0	60	2	57	2	54	(1)	3	0	0	0	(1)	1
2047	0.00%	0	60	2	59	2	56	(1)	3	0	0	0	(1)	1
2048	0.00%	0	60	2	61	2	58	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

(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)
2019	3.75%	2	0	59	2	(1)	62	60	61
2020	7.22%	4	1	57	4	0	60	57	59
2021	6.68%	4	1	55	6	1	57	54	56
2022	6.18%	4	1	53	8	2	54	51	53
2023	5.71%	3	1	51	10	2	51	49	50
2024	5.29%	3	0	49	12	3	49	46	48
2025	4.89%	3	0	47	14	3	46	44	45
2026	4.52%	3	0	45	16	3	44	42	43
2027	4.46%	3	0	43	18	4	42	39	40
2028	4.46%	3	0	41	20	4	39	37	38
2029	4.46%	3	0	39	22	4	37	35	36
2030	4.46%	3	0	37	25	5	35	32	33
2031	4.46%	3	0	35	27	5	32	30	31
2032	4.46%	3	0	33	29	5	30	28	29
2033	4.46%	3	0	31	31	5	28	25	26
2034	4.46%	3	0	29	33	6	25	23	24
2035	4.46%	3	0	27	35	6	23	21	22
2036	4.46%	3	0	25	37	6	21	18	19
2037	4.46%	3	0	22	39	7	18	16	17
2038	4.46%	3	0	20	41	7	16	13	15
2039	2.23%	1	(0)	18	43	7	13	12	13
2040	0.00%	0	(1)	16	45	6	12	10	11
2041	0.00%	0	(1)	14	47	5	10	9	10
2042	0.00%	0	(1)	12	49	4	9	8	8
2043	0.00%	0	(1)	10	51	4	8	6	7
2044	0.00%	0	(1)	8	53	3	6	5	6
2045	0.00%	0	(1)	6	55	2	5	4	5
2046	0.00%	0	(1)	4	57	1	4	3	3
2047	0.00%	0	(1)	2	59	1	3	1	2
2048	0.00%	0	(1)	0	61	0	1	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	57	57	57
EQUITY AFUDC	3		
DEBT AFUDC	1	1	
CPI			4
TOTAL	61	58	60

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: [REDACTED]

(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
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	11	4	0	13	16	12
2020	11	4	0	22	28	10
2021	10	5	0	23	28	10
2022	10	5	0	23	28	10
2023	9	5	0	25	29	11
2024	9	5	0	26	30	10
2025	9	5	0	27	31	10
2026	8	5	0	26	30	11
2027	8	5	0	27	31	10
2028	8	5	0	29	31	11
2029	7	6	0	30	33	10
2030	7	6	0	30	33	11
2031	7	6	1	32	35	10
2032	6	6	1	33	35	11
2033	6	6	1	34	37	10
2034	6	6	1	36	38	10
2035	5	7	1	37	39	10
2036	5	7	1	38	40	10
2037	5	7	1	40	42	10
2038	4	7	1	41	43	10
2039	4	7	1	43	44	11
2040	4	7	1	45	46	10
2041	4	8	1	46	48	10
2042	4	8	1	48	49	11
2043	3	8	1	50	51	10
2044	3	8	1	52	54	10
2045	3	8	1	54	55	10
2046	3	9	1	56	57	11
2047	3	9	1	57	59	11
2048	2	9	1	60	61	11
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	184	192	17	1,101	1,183	311
NPV	68	50	4	264	294	91

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$'(000)	UTILITY PROGRAM COSTS \$'(000)	PARTICIPANT PROGRAM COSTS \$'(000)	OTHER COSTS \$'(000)	TOTAL COSTS \$'(000)	AVOIDED GEN UNIT BENEFITS \$'(000)	AVOIDED T&D BENEFITS \$'(000)	PROGRAM FUEL SAVINGS \$'(000)	OTHER BENEFITS \$'(000)	TOTAL BENEFITS \$'(000)	NET BENEFITS \$'(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$'(000)
2014	0	0	129	0	129	0	0	13	0	13	(116)	(116)
2015	0	0	0	0	0	0	0	28	0	28	28	(90)
2016	0	0	0	0	0	0	0	44	0	44	44	(52)
2017	0	0	0	0	0	0	0	37	0	37	37	(22)
2018	0	0	0	0	0	0	0	48	0	48	48	14
2019	0	0	0	0	0	12	0	67	0	79	79	69
2020	0	0	0	0	0	10	0	62	0	72	72	116
2021	0	0	0	0	0	10	0	58	0	68	68	157
2022	0	0	0	0	0	10	0	54	1	66	66	193
2023	0	0	0	0	0	11	0	55	2	67	67	228
2024	0	0	165	0	165	10	0	49	2	61	(104)	178
2025	0	0	0	0	0	10	0	61	2	73	73	211
2026	0	0	0	0	0	11	0	57	2	70	70	240
2027	0	0	0	0	0	10	0	54	3	67	67	266
2028	0	0	0	0	0	11	0	61	3	75	75	293
2029	0	0	0	0	0	10	0	48	3	61	61	313
2030	0	0	0	0	0	11	0	56	4	70	70	335
2031	0	0	0	0	0	10	0	58	4	72	72	356
2032	0	0	0	0	0	11	0	43	4	58	58	372
2033	0	0	0	0	0	10	0	60	5	75	75	391
2034	0	0	211	0	211	10	0	45	5	60	(151)	355
2035	0	0	0	0	0	10	0	40	6	56	56	367
2036	0	0	0	0	0	10	0	46	6	63	63	380
2037	0	0	0	0	0	10	0	48	6	65	65	392
2038	0	0	0	0	0	10	0	46	7	63	63	403
2039	0	0	0	0	0	11	0	43	8	61	61	413
2040	0	0	0	0	0	10	0	43	8	62	62	423
2041	0	0	0	0	0	10	0	46	9	65	65	432
2042	0	0	0	0	0	11	0	52	10	72	72	441
2043	0	0	0	0	0	10	0	50	10	71	71	450
2044	0	0	270	0	271	10	0	54	11	75	(196)	428
2045	0	0	0	0	0	10	0	52	12	74	74	436
2046	0	0	0	0	0	11	0	47	13	70	70	442
2047	0	0	0	0	0	11	0	48	13	72	72	449
2048	0	0	0	0	0	11	0	58	14	83	83	456
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	775	0	776	311	0	1,731	173	2,215	1,439	
NPV	0	0	288	0	289	91	0	622	31	745	456	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.58

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	10	0	10	0	20	129	0	0	129	(109)	(109)
2015	18	0	0	0	18	0	0	0	0	18	(91)
2016	19	0	0	0	19	0	0	0	0	19	(75)
2017	20	0	0	0	20	0	0	0	0	20	(59)
2018	21	0	0	0	21	0	0	0	0	21	(44)
2019	23	0	0	0	23	0	0	0	0	23	(27)
2020	24	0	0	0	24	0	0	0	0	24	(12)
2021	25	0	0	0	25	0	0	0	0	25	3
2022	25	0	0	0	25	0	0	0	0	25	17
2023	25	0	0	0	25	0	0	0	0	25	30
2024	25	0	10	0	35	165	0	0	165	(129)	(33)
2025	25	0	0	0	25	0	0	0	0	25	(21)
2026	26	0	0	0	26	0	0	0	0	26	(11)
2027	26	0	0	0	26	0	0	0	0	26	(0)
2028	27	0	0	0	27	0	0	0	0	27	10
2029	28	0	0	0	28	0	0	0	0	28	19
2030	29	0	0	0	29	0	0	0	0	29	28
2031	30	0	0	0	30	0	0	0	0	30	37
2032	31	0	0	0	31	0	0	0	0	31	45
2033	34	0	0	0	34	0	0	0	0	34	53
2034	35	0	10	0	45	211	0	0	211	(166)	15
2035	36	0	0	0	36	0	0	0	0	36	23
2036	39	0	0	0	39	0	0	0	0	39	30
2037	40	0	0	0	40	0	0	0	0	40	38
2038	42	0	0	0	42	0	0	0	0	42	45
2039	44	0	0	0	44	0	0	0	0	44	52
2040	45	0	0	0	45	0	0	0	0	45	59
2041	47	0	0	0	47	0	0	0	0	47	66
2042	49	0	0	0	49	0	0	0	0	49	72
2043	52	0	0	0	52	0	0	0	0	52	79
2044	54	0	10	0	65	270	0	0	270	(205)	55
2045	57	0	0	0	57	0	0	0	0	57	61
2046	60	0	0	0	60	0	0	0	0	60	67
2047	63	0	0	0	63	0	0	0	0	63	73
2048	66	0	0	0	66	0	0	0	0	66	78
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	1,219	0	42	0	1,261	775	0	0	775	486	
NPV	348	0	19	0	367	288	0	0	288	78	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) **1.27**

RATE IMPACT TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	10	10	0	20	13	0	0	0	13	(8)	(8)
2015	0	0	0	18	0	18	28	0	0	0	28	10	2
2016	0	0	0	19	0	19	44	0	0	0	44	25	23
2017	0	0	0	20	0	20	37	0	0	0	37	17	37
2018	0	0	0	21	0	21	48	0	0	0	48	27	58
2019	0	0	0	23	0	23	79	0	0	0	79	56	96
2020	0	0	0	24	0	24	72	0	0	0	72	48	128
2021	0	0	0	25	0	25	68	0	0	0	68	43	153
2022	0	0	0	25	0	25	65	0	0	1	66	41	176
2023	0	0	0	25	0	25	65	0	0	2	67	43	198
2024	0	0	10	25	0	36	59	0	0	2	61	25	211
2025	0	0	0	25	0	25	71	0	0	2	73	48	232
2026	0	0	0	26	0	26	67	0	0	2	70	44	251
2027	0	0	0	26	0	26	64	0	0	3	67	40	266
2028	0	0	0	27	0	27	72	0	0	3	75	47	283
2029	0	0	0	28	0	28	58	0	0	3	61	33	294
2030	0	0	0	29	0	29	66	0	0	4	70	41	307
2031	0	0	0	30	0	30	68	0	0	4	72	42	320
2032	0	0	0	31	0	31	53	0	0	4	58	27	327
2033	0	0	0	34	0	34	70	0	0	5	75	41	337
2034	0	0	10	35	0	46	55	0	0	5	60	15	341
2035	0	0	0	36	0	36	50	0	0	6	56	20	345
2036	0	0	0	39	0	39	57	0	0	6	63	24	350
2037	0	0	0	40	0	40	58	0	0	6	65	25	354
2038	0	0	0	42	0	42	56	0	0	7	63	21	358
2039	0	0	0	44	0	44	54	0	0	8	61	18	361
2040	0	0	0	45	0	45	54	0	0	8	62	17	363
2041	0	0	0	47	0	47	57	0	0	9	65	19	366
2042	0	0	0	49	0	49	62	0	0	10	72	23	369
2043	0	0	0	52	0	52	61	0	0	10	71	19	371
2044	0	0	10	54	0	65	64	0	0	11	75	10	372
2045	0	0	0	57	0	57	62	0	0	12	74	17	374
2046	0	0	0	60	0	60	57	0	0	13	70	10	375
2047	0	0	0	63	0	63	59	0	0	13	72	10	376
2048	0	0	0	66	0	66	69	0	0	14	83	17	377
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	42	1,219	0	1,262	2,042	0	0	173	2,215	954	
NPV	0	0	19	348	0	367	714	0	0	31	745	377	

Discount Rate 7.54 %
 Benefit/Cost Ratio (Col(12) / Col(7)) : 2.03

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	13	0	13	12	5	372	0	0	372
2015	0	0	0	0	22	9	0	0	0	0
2016	0	0	0	0	22	9	0	0	0	0
2017	0	0	0	0	23	10	0	0	0	0
2018	0	0	0	0	25	10	0	0	0	0
2019	0	0	0	0	28	10	0	0	0	0
2020	0	0	0	0	28	11	0	0	0	0
2021	0	0	0	0	28	12	0	0	0	0
2022	0	0	0	0	29	12	0	0	0	0
2023	0	0	0	0	31	11	0	0	0	0
2024	0	0	0	0	32	11	0	0	0	0
2025	0	0	0	0	33	11	0	0	0	0
2026	0	0	0	0	34	10	0	0	0	0
2027	0	0	0	0	35	10	0	0	0	0
2028	0	0	0	0	36	10	0	0	0	0
2029	0	0	0	0	37	11	0	0	0	0
2030	0	0	0	0	38	11	0	0	0	0
2031	0	13	0	13	39	11	566	0	0	566
2032	0	0	0	0	41	11	0	0	0	0
2033	0	0	0	0	45	11	0	0	0	0
2034	0	0	0	0	47	11	0	0	0	0
2035	0	0	0	0	49	11	0	0	0	0
2036	0	0	0	0	52	11	0	0	0	0
2037	0	0	0	0	55	12	0	0	0	0
2038	0	0	0	0	57	12	0	0	0	0
2039	0	0	0	0	59	12	0	0	0	0
2040	0	0	0	0	61	12	0	0	0	0
2041	0	0	0	0	64	12	0	0	0	0
2042	0	0	0	0	67	12	0	0	0	0
2043	0	0	0	0	71	12	0	0	0	0
2044	0	0	0	0	75	12	0	0	0	0
2045	0	0	0	0	79	12	0	0	0	0
2046	0	0	0	0	83	12	0	0	0	0
2047	0	0	0	0	87	13	0	0	0	0
2048	1	13	0	13	91	13	861	0	0	861
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	38	0	39	1,615	384	1,798	0	0	1,798
NPV	0	17	0	18	442	135	609	0	0	609

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [REDACTED]

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	75	2	0	5	3	1	0	2	0	13	13	13	74
2020	73	2	0	5	2	1	0	2	1	13	12	25	76
2021	69	1	0	4	2	1	0	2	1	12	11	36	78
2022	66	1	0	4	2	1	0	2	1	12	10	45	80
2023	62	1	0	4	2	1	0	2	1	11	9	54	82
2024	59	1	0	4	2	1	0	2	1	11	8	61	84
2025	56	1	0	4	2	1	0	2	0	11	7	68	86
2026	53	1	0	3	2	1	0	2	0	10	6	74	88
2027	50	1	0	3	2	1	0	2	0	10	5	80	91
2028	47	1	0	3	2	1	0	2	0	9	5	85	93
2029	45	1	0	3	1	1	0	2	0	9	4	89	95
2030	42	1	0	3	1	1	0	2	0	9	4	93	98
2031	39	1	0	2	1	1	0	2	0	8	3	96	100
2032	36	1	0	2	1	1	0	2	0	8	3	99	102
2033	33	1	0	2	1	1	0	2	0	7	3	102	105
2034	31	1	0	2	1	1	0	2	0	7	2	104	108
2035	28	1	0	2	1	1	0	2	0	7	2	106	110
2036	25	1	0	2	1	1	0	2	0	6	2	108	113
2037	22	0	0	1	1	0	0	2	0	6	2	110	116
2038	19	0	0	1	0	0	0	2	0	5	1	111	119
2039	16	0	0	1	1	0	0	2	(0)	5	1	112	122
2040	14	0	0	1	2	0	0	2	(1)	5	1	113	125
2041	13	0	0	1	1	0	0	2	(1)	4	1	114	128
2042	11	0	0	1	1	0	0	2	(1)	4	1	115	131
2043	9	0	0	1	1	0	0	2	(1)	4	1	116	134
2044	8	0	0	0	1	0	0	2	(1)	4	1	116	138
2045	6	0	0	0	1	0	0	2	(1)	4	1	117	141
2046	5	0	0	0	1	0	0	2	(1)	3	0	117	145
2047	3	0	0	0	1	0	0	2	(1)	3	0	118	148
2048	2	0	0	0	1	0	0	2	(1)	3	0	118	152

IN SERVICE COST	(\$000)	74
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST
DEBT	40%	5.14
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	5	1	4	0	0	0	1	0
2021	6.68%	5	13	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	5	17	2	10	2	9	1	4	0	0	0	1	2
2023	5.71%	4	22	2	12	2	12	1	4	0	0	0	1	3
2024	5.29%	4	25	2	15	2	14	1	4	0	0	0	1	3
2025	4.89%	4	29	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	32	2	20	2	19	0	4	0	0	0	0	4
2027	4.46%	3	36	2	22	2	21	0	4	0	0	0	0	5
2028	4.46%	3	39	2	25	2	23	0	4	0	0	0	0	5
2029	4.46%	3	42	2	27	2	26	0	4	0	0	0	0	5
2030	4.46%	3	45	2	30	2	28	0	4	0	0	0	0	6
2031	4.46%	3	49	2	32	2	31	0	4	0	0	0	0	6
2032	4.46%	3	52	2	35	2	33	0	4	0	0	0	0	6
2033	4.46%	3	55	2	37	2	35	0	4	0	0	0	0	7
2034	4.46%	3	58	2	40	2	38	0	4	0	0	0	0	7
2035	4.46%	3	62	2	42	2	40	0	4	0	0	0	0	7
2036	4.46%	3	65	2	45	2	42	0	4	0	0	0	0	8
2037	4.46%	3	68	2	47	2	45	0	4	0	0	0	0	8
2038	4.46%	3	72	2	50	2	47	0	4	0	0	0	0	8
2039	2.23%	2	73	2	52	2	49	(0)	4	0	0	0	(0)	8
2040	0.00%	0	73	2	55	2	52	(1)	4	0	0	0	(1)	7
2041	0.00%	0	73	2	57	2	54	(1)	4	0	0	0	(1)	6
2042	0.00%	0	73	2	59	2	56	(1)	4	0	0	0	(1)	5
2043	0.00%	0	73	2	62	2	59	(1)	4	0	0	0	(1)	5
2044	0.00%	0	73	2	64	2	61	(1)	4	0	0	0	(1)	4
2045	0.00%	0	73	2	67	2	63	(1)	4	0	0	0	(1)	3
2046	0.00%	0	73	2	69	2	66	(1)	4	0	0	0	(1)	2
2047	0.00%	0	73	2	72	2	68	(1)	4	0	0	0	(1)	1
2048	0.00%	0	73	2	74	2	70	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	72	2	(1)	75	73	74
2020	7.22%	5	1	69	5	0	73	69	71
2021	6.68%	5	1	67	7	1	69	66	67
2022	6.18%	5	1	64	10	2	66	62	64
2023	5.71%	4	1	62	12	3	62	59	61
2024	5.29%	4	1	59	15	3	59	56	58
2025	4.89%	4	0	57	17	4	56	53	55
2026	4.52%	3	0	55	20	4	53	50	52
2027	4.46%	3	0	52	22	5	50	47	49
2028	4.46%	3	0	50	25	5	47	45	46
2029	4.46%	3	0	47	27	5	45	42	43
2030	4.46%	3	0	45	30	6	42	39	40
2031	4.46%	3	0	42	32	6	39	36	38
2032	4.46%	3	0	40	35	6	36	33	35
2033	4.46%	3	0	37	37	7	33	31	32
2034	4.46%	3	0	35	40	7	31	28	29
2035	4.46%	3	0	32	42	7	28	25	26
2036	4.46%	3	0	30	45	8	25	22	23
2037	4.46%	3	0	27	47	8	22	19	21
2038	4.46%	3	0	25	50	8	19	16	18
2039	2.23%	2	(0)	22	52	8	16	14	15
2040	0.00%	0	(1)	20	55	7	14	13	13
2041	0.00%	0	(1)	17	57	6	13	11	12
2042	0.00%	0	(1)	15	59	5	11	9	10
2043	0.00%	0	(1)	12	62	5	9	8	9
2044	0.00%	0	(1)	10	64	4	8	6	7
2045	0.00%	0	(1)	7	67	3	6	5	6
2046	0.00%	0	(1)	5	69	2	5	3	4
2047	0.00%	0	(1)	2	72	1	3	2	2
2048	0.00%	0	(1)	0	74	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74	69.41	54.39	(12.98)	924.80
		BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	69	69	69	
EQUITY AFUDC	4			
DEBT AFUDC	2	2		
CPI			4	
TOTAL	74	70	73	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	15	20	14
2020	13	5	1	27	34	12
2021	12	6	1	28	34	12
2022	12	6	1	28	34	12
2023	11	6	1	30	35	13
2024	11	6	1	31	37	12
2025	11	6	1	32	37	12
2026	10	6	1	32	36	13
2027	10	6	1	33	38	12
2028	9	7	1	35	38	13
2029	9	7	1	36	40	12
2030	9	7	1	37	40	13
2031	8	7	1	38	42	12
2032	8	7	1	40	43	13
2033	7	7	1	42	45	12
2034	7	8	1	43	46	12
2035	7	8	1	45	47	13
2036	6	8	1	46	49	13
2037	6	8	1	48	51	12
2038	5	8	1	50	53	12
2039	5	9	1	52	54	13
2040	5	9	1	54	56	12
2041	4	9	1	56	58	13
2042	4	9	1	58	60	13
2043	4	10	1	60	62	13
2044	4	10	1	63	65	12
2045	4	10	1	65	67	13
2046	3	10	1	67	69	13
2047	3	11	1	69	71	13
2048	3	11	1	73	74	13
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	223	233	20	1,334	1,433	377
NPV	82	60	5	320	357	111

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	372	0	372	0	0	20	0	20	(352)	(352)
2015	0	0	0	0	0	0	3	43	1	46	46	(310)
2016	0	0	0	0	0	0	3	69	0	72	72	(248)
2017	0	0	0	0	0	0	3	58	0	60	60	(199)
2018	0	0	0	0	0	0	3	76	0	79	79	(140)
2019	0	0	0	0	0	14	2	108	0	124	124	(54)
2020	0	0	0	0	0	12	2	99	0	114	114	20
2021	0	0	0	0	0	12	2	93	0	106	106	84
2022	0	0	0	0	0	12	2	86	2	102	102	141
2023	0	0	0	0	0	13	2	86	3	104	104	195
2024	0	0	0	0	0	12	2	76	3	94	94	240
2025	0	0	0	0	0	12	2	96	3	114	114	292
2026	0	0	0	0	0	13	2	90	4	108	108	337
2027	0	0	0	0	0	12	2	84	4	103	103	377
2028	0	0	0	0	0	13	2	96	4	116	116	418
2029	0	0	0	0	0	12	2	74	5	93	93	450
2030	0	0	0	0	0	13	2	87	5	107	107	483
2031	0	0	566	0	566	12	2	91	6	111	(455)	351
2032	0	0	0	0	0	13	2	65	6	86	86	374
2033	0	0	0	0	0	12	2	94	7	115	115	403
2034	0	0	0	0	0	12	2	68	8	90	90	424
2035	0	0	0	0	0	13	2	60	8	82	82	442
2036	0	0	0	0	0	13	2	71	9	94	94	461
2037	0	0	0	0	0	12	2	73	10	97	97	479
2038	0	0	0	0	0	12	2	69	10	94	94	496
2039	0	0	0	0	0	13	2	65	11	90	90	510
2040	0	0	0	0	0	12	2	65	12	91	91	524
2041	0	0	0	0	0	13	2	69	13	96	96	538
2042	0	0	0	0	0	13	2	78	14	107	107	552
2043	0	0	0	0	0	13	2	75	15	104	104	564
2044	0	0	0	0	0	12	2	81	16	111	111	577
2045	0	0	0	0	0	13	2	77	18	108	108	588
2046	0	0	0	0	0	13	2	68	19	101	101	598
2047	0	0	0	0	0	13	2	71	20	105	105	608
2048	0	1	861	0	861	13	2	86	21	122	(739)	545
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	1,798	0	1,799	377	66	2,664	258	3,366	1,567	
NPV	0	0	609	0	609	111	27	970	47	1,155	545	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.89

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	19	0	13	0	31	372	0	0	372	(340)	(340)
2015	35	0	0	0	35	0	0	0	0	35	(307)
2016	36	0	0	0	36	0	0	0	0	36	(276)
2017	37	0	0	0	37	0	0	0	0	37	(246)
2018	41	0	0	0	41	0	0	0	0	41	(216)
2019	44	0	0	0	44	0	0	0	0	44	(185)
2020	45	0	0	0	45	0	0	0	0	45	(156)
2021	46	0	0	0	46	0	0	0	0	46	(129)
2022	47	0	0	0	47	0	0	0	0	47	(102)
2023	48	0	0	0	48	0	0	0	0	48	(77)
2024	49	0	0	0	49	0	0	0	0	49	(53)
2025	50	0	0	0	50	0	0	0	0	50	(31)
2026	51	0	0	0	51	0	0	0	0	51	(10)
2027	52	0	0	0	52	0	0	0	0	52	11
2028	53	0	0	0	53	0	0	0	0	53	30
2029	55	0	0	0	55	0	0	0	0	55	49
2030	56	0	0	0	56	0	0	0	0	56	66
2031	58	0	13	0	70	566	0	0	566	(495)	(78)
2032	61	0	0	0	61	0	0	0	0	61	(61)
2033	65	0	0	0	65	0	0	0	0	65	(45)
2034	68	0	0	0	68	0	0	0	0	68	(29)
2035	70	0	0	0	70	0	0	0	0	70	(14)
2036	75	0	0	0	75	0	0	0	0	75	1
2037	77	0	0	0	77	0	0	0	0	77	16
2038	80	0	0	0	80	0	0	0	0	80	30
2039	83	0	0	0	83	0	0	0	0	83	43
2040	86	0	0	0	86	0	0	0	0	86	56
2041	89	0	0	0	89	0	0	0	0	89	69
2042	93	0	0	0	93	0	0	0	0	93	81
2043	98	0	0	0	98	0	0	0	0	98	93
2044	103	0	0	0	103	0	0	0	0	103	104
2045	107	0	0	0	107	0	0	0	0	107	116
2046	112	0	0	0	112	0	0	0	0	112	127
2047	117	0	0	0	117	0	0	0	0	117	137
2048	123	0	13	0	135	861	0	0	861	(725)	76
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	2,330	0	38	0	2,368	1,798	0	0	1,798	570	
NPV	668	0	17	0	685	609	0	0	609	76	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.12

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	13	16	0	29	20	0	0	0	20	(9)	(9)
2015	0	0	0	31	0	31	43	3	0	1	46	15	4
2016	0	0	0	32	0	32	69	3	0	0	72	40	39
2017	0	0	0	33	0	33	58	3	0	0	60	28	61
2018	0	0	0	35	0	35	76	3	0	0	79	43	94
2019	0	0	0	38	0	38	122	2	0	0	124	86	154
2020	0	0	0	39	0	39	111	2	0	0	114	75	202
2021	0	0	0	40	0	40	104	2	0	0	106	67	242
2022	0	0	0	41	0	41	98	2	0	2	102	61	276
2023	0	0	0	42	0	42	99	2	0	3	104	62	308
2024	0	0	0	43	0	43	88	2	0	3	94	51	333
2025	0	0	0	43	0	43	108	2	0	3	114	70	364
2026	0	0	0	44	0	44	103	2	0	4	108	64	391
2027	0	0	0	45	0	45	96	2	0	4	103	57	414
2028	0	0	0	46	0	46	109	2	0	4	116	69	439
2029	0	0	0	47	0	47	86	2	0	5	93	46	454
2030	0	0	0	49	0	49	100	2	0	5	107	59	472
2031	0	0	13	50	0	63	103	2	0	6	111	48	486
2032	0	0	0	52	0	52	78	2	0	6	86	34	496
2033	0	0	0	56	0	56	106	2	0	7	115	59	510
2034	0	0	0	58	0	58	81	2	0	8	90	32	518
2035	0	0	0	60	0	60	72	2	0	8	82	22	523
2036	0	0	0	64	0	64	83	2	0	9	94	30	529
2037	0	0	0	66	0	66	86	2	0	10	97	31	535
2038	0	0	0	69	0	69	81	2	0	10	94	25	539
2039	0	0	0	71	0	71	77	2	0	11	90	19	542
2040	0	0	0	73	0	73	77	2	0	12	91	18	545
2041	0	0	0	76	0	76	82	2	0	13	96	20	548
2042	0	0	0	79	0	79	91	2	0	14	107	28	551
2043	0	0	0	84	0	84	87	2	0	15	104	21	554
2044	0	0	0	87	0	87	93	2	0	16	111	24	557
2045	0	0	0	91	0	91	89	2	0	18	108	17	558
2046	0	0	0	95	0	95	81	2	0	19	101	6	559
2047	0	0	0	100	0	100	84	2	0	20	105	6	559
2048	0	1	13	104	0	117	99	2	0	21	122	5	560
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	38	1,999	0	2,038	3,042	66	0	258	3,366	1,328	
NPV	0	0	17	577	0	595	1,081	27	0	47	1,155	560	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.94

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	58.16	kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	76.47556	kW
(3) kW LINE LOSS PERCENTAGE	7.22	%
(4) GENERATOR kWh REDUCTION PER CUSTOMER	148,105.97	kWh
(5) kWh LINE LOSS PERCENTAGE	5.76	%
(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	35	YEARS
(2) GENERATOR ECONOMIC LIFE	30	YEARS
(3) T&D ECONOMIC LIFE	35	YEARS
(4) K FACTOR FOR GENERATION	1.58642	
(5) K FACTOR FOR T & D	1.55920	

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	***	\$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	***	%**
* (8) INCREASED SUPPLY COSTS	***	\$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES.....	***	%**
* (10) UTILITY DISCOUNT RATE	7.54	%
* (11) UTILITY AFUDC RATE.....	6.50	%
* (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	2014	
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019	
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019	
(4) BASE YEAR AVOIDED GENERATING COST	776.33	\$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90	\$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85	\$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00	%**
(8) GENERATOR FIXED O & M COST	58.35	\$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50	%**
(10) TRANSMISSION FIXED O & M COST	3.53	\$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34	\$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50	%**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065	CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50	%**
(15) GENERATOR CAPACITY FACTOR	56%	** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85	CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65	%**

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	***	%

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XX

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)
2014	0	12	0	12	4	4	96	0	0	96
2015	0	0	0	0	7	8	0	0	0	0
2016	0	0	0	0	7	8	0	0	0	0
2017	0	0	0	0	7	8	0	0	0	0
2018	0	0	0	0	8	8	0	0	0	0
2019	0	0	0	0	9	9	0	0	0	0
2020	0	0	0	0	9	9	0	0	0	0
2021	0	0	0	0	9	10	0	0	0	0
2022	0	0	0	0	9	10	0	0	0	0
2023	0	0	0	0	9	9	0	0	0	0
2024	0	0	0	0	10	9	0	0	0	0
2025	0	0	0	0	11	9	0	0	0	0
2026	0	0	0	0	11	9	0	0	0	0
2027	0	0	0	0	11	9	0	0	0	0
2028	0	0	0	0	12	9	0	0	0	0
2029	0	0	0	0	12	9	0	0	0	0
2030	0	0	0	0	12	9	0	0	0	0
2031	0	0	0	0	13	9	0	0	0	0
2032	0	0	0	0	13	9	0	0	0	0
2033	0	0	0	0	14	9	0	0	0	0
2034	0	12	0	12	15	9	157	0	0	157
2035	0	0	0	0	15	9	0	0	0	0
2036	0	0	0	0	17	10	0	0	0	0
2037	0	0	0	0	17	10	0	0	0	0
2038	0	0	0	0	18	10	0	0	0	0
2039	0	0	0	0	19	10	0	0	0	0
2040	0	0	0	0	19	10	0	0	0	0
2041	0	0	0	0	20	10	0	0	0	0
2042	0	0	0	0	21	10	0	0	0	0
2043	0	0	0	0	22	10	0	0	0	0
2044	0	0	0	0	23	10	0	0	0	0
2045	0	0	0	0	24	10	0	0	0	0
2046	0	0	0	0	26	10	0	0	0	0
2047	0	0	0	0	27	10	0	0	0	0
2048	0	0	0	0	28	11	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	24	0	25	510	321	254	0	0	254
NPV	0	15	0	15	142	112	133	0	0	133

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	68	2	(1)	72	69	70
2020	7.22%	5	1	66	5	0	69	66	67
2021	6.68%	5	1	64	7	1	66	62	64
2022	6.18%	4	1	61	9	2	62	59	61
2023	5.71%	4	1	59	12	3	59	56	58
2024	5.29%	4	1	57	14	3	56	53	55
2025	4.89%	3	0	54	17	4	53	51	52
2026	4.52%	3	0	52	19	4	51	48	49
2027	4.46%	3	0	50	21	4	48	45	47
2028	4.46%	3	0	47	24	5	45	42	44
2029	4.46%	3	0	45	26	5	42	40	41
2030	4.46%	3	0	42	28	5	40	37	38
2031	4.46%	3	0	40	31	6	37	34	36
2032	4.46%	3	0	38	33	6	34	32	33
2033	4.46%	3	0	35	35	6	32	29	30
2034	4.46%	3	0	33	38	7	29	26	28
2035	4.46%	3	0	31	40	7	26	24	25
2036	4.46%	3	0	28	42	7	24	21	22
2037	4.46%	3	0	26	45	8	21	18	20
2038	4.46%	3	0	24	47	8	18	16	17
2039	2.23%	2	(0)	21	50	8	16	13	15
2040	0.00%	0	(1)	19	52	7	13	12	13
2041	0.00%	0	(1)	17	54	6	12	10	11
2042	0.00%	0	(1)	14	57	5	10	9	10
2043	0.00%	0	(1)	12	59	4	9	7	8
2044	0.00%	0	(1)	9	61	3	7	6	7
2045	0.00%	0	(1)	7	64	3	6	4	5
2046	0.00%	0	(1)	5	66	2	4	3	4
2047	0.00%	0	(1)	2	68	1	3	1	2
2048	0.00%	0	(1)	(0)	71	0	1	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	65	65	65
EQUITY AFUDC	4		
DEBT AFUDC	2	2	
CPI			4
TOTAL	71	67	70

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXX

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	13	5	0	14	19	13
2020	12	5	0	26	32	11
2021	12	5	0	26	33	11
2022	11	5	1	27	32	12
2023	11	6	1	28	33	12
2024	10	6	1	30	35	12
2025	10	6	1	31	35	12
2026	10	6	1	31	34	12
2027	9	6	1	32	36	12
2028	9	6	1	33	36	13
2029	9	6	1	34	38	12
2030	8	7	1	35	38	12
2031	8	7	1	36	40	12
2032	7	7	1	38	41	12
2033	7	7	1	40	43	12
2034	7	7	1	41	44	12
2035	6	7	1	43	45	12
2036	6	8	1	44	46	12
2037	6	8	1	46	48	12
2038	5	8	1	48	50	12
2039	5	8	1	50	51	12
2040	4	8	1	51	53	12
2041	4	9	1	53	55	12
2042	4	9	1	55	57	12
2043	4	9	1	57	59	12
2044	4	9	1	60	62	12
2045	3	10	1	62	64	12
2046	3	10	1	64	66	12
2047	3	10	1	66	68	12
2048	3	10	1	69	71	12
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	212	222	19	1,269	1,363	359
NPV	78	57	5	304	339	105

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	8	0	12	0	20	96	0	0	96	(76)	(76)
2015	16	0	0	0	16	0	0	0	0	16	(60)
2016	17	0	0	0	17	0	0	0	0	17	(46)
2017	17	0	0	0	17	0	0	0	0	17	(32)
2018	18	0	0	0	18	0	0	0	0	18	(19)
2019	20	0	0	0	20	0	0	0	0	20	(5)
2020	20	0	0	0	20	0	0	0	0	20	8
2021	21	0	0	0	21	0	0	0	0	21	20
2022	21	0	0	0	21	0	0	0	0	21	32
2023	21	0	0	0	21	0	0	0	0	21	43
2024	22	0	0	0	22	0	0	0	0	22	54
2025	22	0	0	0	22	0	0	0	0	22	64
2026	22	0	0	0	22	0	0	0	0	22	73
2027	22	0	0	0	22	0	0	0	0	22	81
2028	23	0	0	0	23	0	0	0	0	23	90
2029	23	0	0	0	23	0	0	0	0	23	97
2030	23	0	0	0	23	0	0	0	0	23	105
2031	24	0	0	0	24	0	0	0	0	24	112
2032	25	0	0	0	25	0	0	0	0	25	118
2033	26	0	0	0	26	0	0	0	0	26	125
2034	27	0	12	0	39	157	0	0	157	(118)	97
2035	28	0	0	0	28	0	0	0	0	28	103
2036	29	0	0	0	29	0	0	0	0	29	109
2037	30	0	0	0	30	0	0	0	0	30	115
2038	31	0	0	0	31	0	0	0	0	31	121
2039	32	0	0	0	32	0	0	0	0	32	126
2040	33	0	0	0	33	0	0	0	0	33	131
2041	34	0	0	0	34	0	0	0	0	34	136
2042	35	0	0	0	35	0	0	0	0	35	140
2043	37	0	0	0	37	0	0	0	0	37	145
2044	38	0	0	0	38	0	0	0	0	38	149
2045	40	0	0	0	40	0	0	0	0	40	153
2046	41	0	0	0	41	0	0	0	0	41	157
2047	43	0	0	0	43	0	0	0	0	43	161
2048	44	0	0	0	44	0	0	0	0	44	165
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
NOM	936	0	24	0	960	254	0	0	254	706	
NPV	283	0	15	0	298	133	0	0	133	165	

In Service of Gen Unit: 2019
 Discount Rate : 7.54 %
 Benefit/Cost Ratio (Col(6) / Col(10)) 2.24

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	19.30 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	25.38359 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	88,076.06 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0	0	0	0	
2015	0	4	0	4	4	0	42	0	42	
2016	0	0	0	0	8	0	0	0	0	
2017	0	0	0	0	8	0	0	0	0	
2018	0	0	0	0	9	0	0	0	0	
2019	0	0	0	0	9	0	0	0	0	
2020	0	0	0	0	9	0	0	0	0	
2021	0	0	0	0	10	0	0	0	0	
2022	0	4	0	4	10	0	50	0	50	
2023	0	0	0	0	10	0	0	0	0	
2024	0	0	0	0	11	0	0	0	0	
2025	0	0	0	0	11	0	0	0	0	
2026	0	0	0	0	11	0	0	0	0	
2027	0	0	0	0	11	0	0	0	0	
2028	0	0	0	0	11	0	0	0	0	
2029	0	4	0	4	11	0	59	0	59	
2030	0	0	0	0	11	0	0	0	0	
2031	0	0	0	0	12	0	0	0	0	
2032	0	0	0	0	12	0	0	0	0	
2033	0	0	0	0	13	0	0	0	0	
2034	0	0	0	0	13	0	0	0	0	
2035	0	0	0	0	14	0	0	0	0	
2036	0	4	0	4	14	0	70	0	70	
2037	0	0	0	0	15	0	0	0	0	
2038	0	0	0	0	15	0	0	0	0	
2039	0	0	0	0	16	0	0	0	0	
2040	0	0	0	0	16	0	0	0	0	
2041	0	0	0	0	17	0	0	0	0	
2042	0	0	0	0	17	0	0	0	0	
2043	0	4	0	4	18	0	84	0	84	
2044	0	0	0	0	19	0	0	0	0	
2045	0	0	0	0	19	0	0	0	0	
2046	0	0	0	0	20	0	0	0	0	
2047	0	0	0	0	21	0	0	0	0	
2048	0	0	0	0	22	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
NOM	1	20	0	21	448	0	305	0	305	
NPV	1	9	0	9	129	0	112	0	112	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	24	0	0	1	1	0	0	1	0	4	4	4	23
2020	23	0	0	1	1	0	0	1	0	4	4	8	24
2021	22	0	0	1	1	0	0	1	0	4	3	11	25
2022	21	0	0	1	1	0	0	1	0	4	3	14	25
2023	20	0	0	1	1	0	0	1	0	4	3	17	26
2024	19	0	0	1	1	0	0	1	0	3	2	19	27
2025	18	0	0	1	1	0	0	1	0	3	2	21	27
2026	17	0	0	1	1	0	0	1	0	3	2	23	28
2027	16	0	0	1	1	0	0	1	0	3	2	25	29
2028	15	0	0	1	1	0	0	1	0	3	2	27	29
2029	14	0	0	1	0	0	0	1	0	3	1	28	30
2030	13	0	0	1	0	0	0	1	0	3	1	29	31
2031	12	0	0	1	0	0	0	1	0	3	1	30	32
2032	11	0	0	1	0	0	0	1	0	2	1	31	32
2033	11	0	0	1	0	0	0	1	0	2	1	32	33
2034	10	0	0	1	0	0	0	1	0	2	1	33	34
2035	9	0	0	1	0	0	0	1	0	2	1	33	35
2036	8	0	0	0	0	0	0	1	0	2	1	34	36
2037	7	0	0	0	0	0	0	1	0	2	0	35	37
2038	6	0	0	0	0	0	0	1	0	2	0	35	37
2039	5	0	0	0	0	0	0	1	(0)	2	0	35	38
2040	4	0	0	0	0	0	0	1	(0)	1	0	36	39
2041	4	0	0	0	0	0	0	1	(0)	1	0	36	40
2042	3	0	0	0	0	0	0	1	(0)	1	0	36	41
2043	3	0	0	0	0	0	0	1	(0)	1	0	36	42
2044	2	0	0	0	0	0	0	1	(0)	1	0	37	43
2045	2	0	0	0	0	0	0	1	(0)	1	0	37	45
2046	1	0	0	0	0	0	0	1	(0)	1	0	37	46
2047	1	0	0	0	0	0	0	1	(0)	1	0	37	47
2048	0	0	0	0	0	0	0	1	(0)	1	0	37	48

IN SERVICE COST	(\$000)	23
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	2	3	1	2	1	1	0	1	0	0	0	0	0
2021	6.68%	2	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	7	1	4	1	4	0	1	0	0	0	0	1
2024	5.29%	1	8	1	5	1	4	0	1	0	0	0	0	1
2025	4.89%	1	9	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	10	1	6	1	6	0	1	0	0	0	0	1
2027	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2028	4.46%	1	12	1	8	1	7	0	1	0	0	0	0	2
2029	4.46%	1	13	1	9	1	8	0	1	0	0	0	0	2
2030	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2031	4.46%	1	15	1	10	1	10	0	1	0	0	0	0	2
2032	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2033	4.46%	1	17	1	12	1	11	0	1	0	0	0	0	2
2034	4.46%	1	18	1	12	1	12	0	1	0	0	0	0	2
2035	4.46%	1	19	1	13	1	13	0	1	0	0	0	0	2
2036	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2037	4.46%	1	22	1	15	1	14	0	1	0	0	0	0	3
2038	4.46%	1	23	1	16	1	15	0	1	0	0	0	0	3
2039	2.23%	1	23	1	16	1	16	(0)	1	0	0	0	(0)	3
2040	0.00%	0	23	1	17	1	16	(0)	1	0	0	0	(0)	2
2041	0.00%	0	23	1	18	1	17	(0)	1	0	0	0	(0)	2
2042	0.00%	0	23	1	19	1	18	(0)	1	0	0	0	(0)	2
2043	0.00%	0	23	1	20	1	19	(0)	1	0	0	0	(0)	1
2044	0.00%	0	23	1	20	1	19	(0)	1	0	0	0	(0)	1
2045	0.00%	0	23	1	21	1	20	(0)	1	0	0	0	(0)	1
2046	0.00%	0	23	1	22	1	21	(0)	1	0	0	0	(0)	1
2047	0.00%	0	23	1	23	1	21	(0)	1	0	0	0	(0)	0
2048	0.00%	0	23	1	23	1	22	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	23	1	(0)	24	23	23
2020	7.22%	2	0	22	2	0	23	22	22
2021	6.68%	2	0	21	2	0	22	21	21
2022	6.18%	1	0	20	3	1	21	20	20
2023	5.71%	1	0	20	4	1	20	19	19
2024	5.29%	1	0	19	5	1	19	18	18
2025	4.89%	1	0	18	5	1	18	17	17
2026	4.52%	1	0	17	6	1	17	16	16
2027	4.46%	1	0	16	7	1	16	15	15
2028	4.46%	1	0	16	8	2	15	14	15
2029	4.46%	1	0	15	9	2	14	13	14
2030	4.46%	1	0	14	9	2	13	12	13
2031	4.46%	1	0	13	10	2	12	11	12
2032	4.46%	1	0	12	11	2	11	11	11
2033	4.46%	1	0	12	12	2	11	10	10
2034	4.46%	1	0	11	12	2	10	9	9
2035	4.46%	1	0	10	13	2	9	8	8
2036	4.46%	1	0	9	14	2	8	7	7
2037	4.46%	1	0	9	15	3	7	6	6
2038	4.46%	1	0	8	16	3	6	5	6
2039	2.23%	1	(0)	7	16	3	5	4	5
2040	0.00%	0	(0)	6	17	2	4	4	4
2041	0.00%	0	(0)	5	18	2	4	3	4
2042	0.00%	0	(0)	5	19	2	3	3	3
2043	0.00%	0	(0)	4	20	1	3	2	3
2044	0.00%	0	(0)	3	20	1	2	2	2
2045	0.00%	0	(0)	2	21	1	2	1	2
2046	0.00%	0	(0)	2	22	1	1	1	1
2047	0.00%	0	(0)	1	23	0	1	0	1
2048	0.00%	0	(0)	0	23	0	0	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

(8)	(8a)*	(8b)*	(9)	(9a)*	(9b)*	(9c)*	(9d)*	(9e)*	(10)	(11)	
NO. YEARS BEFORE IN-SERVICE	CUMULATIVE SPENDING WITH AFUDC (\$/kW)	DEBT AFUDC (\$/kW)	CUMULATIVE DEBT AFUDC (\$/kW)	YEARLY TOTAL AFUDC (\$/kW)	CUMULATIVE TOTAL AFUDC (\$/kW)	CONSTRUCTION PERIOD INTEREST (\$/kW)	CUMULATIVE CPI (\$/kW)	DEFERRED TAXES (\$/kW)	CUMULATIVE DEFERRED TAXES (\$/kW)	INCREMENTAL YEAR-END BOOK VALUE (\$/kW)	CUMULATIVE YEAR-END BOOK VALUE (\$/kW)
2014	-5	0.41	0.01	0.01	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	22	22	22
EQUITY AFUDC	1		
DEBT AFUDC	1	1	
CPI			1
TOTAL	23	22	23

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(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
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	2	0	5	6	4
2020	4	2	0	9	11	4
2021	4	2	0	9	11	4
2022	4	2	0	9	11	4
2023	4	2	0	9	11	4
2024	3	2	0	10	12	4
2025	3	2	0	10	12	4
2026	3	2	0	10	11	4
2027	3	2	0	10	12	4
2028	3	2	0	11	12	4
2029	3	2	0	11	13	4
2030	3	2	0	12	13	4
2031	3	2	0	12	13	4
2032	2	2	0	13	13	4
2033	2	2	0	13	14	4
2034	2	2	0	14	15	4
2035	2	2	0	14	15	4
2036	2	3	0	15	15	4
2037	2	3	0	15	16	4
2038	2	3	0	16	17	4
2039	2	3	0	16	17	4
2040	1	3	0	17	18	4
2041	1	3	0	18	18	4
2042	1	3	0	18	19	4
2043	1	3	0	19	20	4
2044	1	3	0	20	20	4
2045	1	3	0	21	21	4
2046	1	3	0	21	22	4
2047	1	3	0	22	22	4
2048	1	3	0	23	23	4
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	70	74	6	421	453	119
NPV	26	19	2	101	113	35

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	42	0	42	0	0	4	0	4	(39)	(36)
2016	0	0	0	0	0	0	1	13	0	14	14	(24)
2017	0	0	0	0	0	0	1	10	0	11	11	(15)
2018	0	0	0	0	0	0	1	13	0	14	14	(5)
2019	0	0	0	0	0	4	1	17	0	22	22	11
2020	0	0	0	0	0	4	1	16	0	21	21	24
2021	0	0	0	0	0	4	1	15	0	19	19	36
2022	0	0	50	0	50	4	1	15	0	20	(30)	19
2023	0	0	0	0	0	4	1	16	0	21	21	30
2024	0	0	0	0	0	4	1	13	0	18	18	38
2025	0	0	0	0	0	4	1	16	0	21	21	48
2026	0	0	0	0	0	4	1	13	0	18	18	56
2027	0	0	0	0	0	4	1	15	0	20	20	63
2028	0	0	0	0	0	4	1	14	1	19	19	70
2029	0	0	59	0	60	4	1	13	1	18	(42)	56
2030	0	0	0	0	0	4	1	12	1	18	18	62
2031	0	0	0	0	0	4	1	14	1	19	19	67
2032	0	0	0	0	0	4	1	10	1	15	15	71
2033	0	0	0	0	0	4	1	14	1	19	19	76
2034	0	0	0	0	0	4	1	10	1	16	16	80
2035	0	0	0	0	0	4	1	9	1	15	15	83
2036	0	0	70	0	71	4	1	11	1	16	(54)	72
2037	0	0	0	0	0	4	1	11	1	17	17	75
2038	0	0	0	0	0	4	1	11	1	17	17	78
2039	0	0	0	0	0	4	1	10	1	16	16	81
2040	0	0	0	0	0	4	1	11	1	16	16	83
2041	0	0	0	0	0	4	1	11	2	17	17	86
2042	0	0	0	0	0	4	1	12	2	19	19	88
2043	0	0	84	0	84	4	1	12	2	18	(66)	80
2044	0	0	0	0	0	4	1	13	2	19	19	82
2045	0	0	0	0	0	4	1	13	2	19	19	84
2046	0	0	0	0	0	4	0	12	2	18	18	86
2047	0	0	0	0	0	4	0	12	2	19	19	88
2048	0	0	0	0	0	4	0	14	2	21	21	90
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	305	0	307	119	21	425	30	595	288	
NPV	0	1	112	0	112	35	8	153	5	202	90	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.80

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	5	0	4	0	9	42	0	0	42	(33)	(31)
2016	9	0	0	0	9	0	0	0	0	9	(23)
2017	10	0	0	0	10	0	0	0	0	10	(15)
2018	10	0	0	0	10	0	0	0	0	10	(7)
2019	11	0	0	0	11	0	0	0	0	11	1
2020	11	0	0	0	11	0	0	0	0	11	8
2021	12	0	0	0	12	0	0	0	0	12	15
2022	12	0	4	0	16	50	0	0	50	(34)	(4)
2023	12	0	0	0	12	0	0	0	0	12	3
2024	13	0	0	0	13	0	0	0	0	13	9
2025	13	0	0	0	13	0	0	0	0	13	15
2026	13	0	0	0	13	0	0	0	0	13	20
2027	13	0	0	0	13	0	0	0	0	13	25
2028	13	0	0	0	13	0	0	0	0	13	30
2029	14	0	4	0	18	59	0	0	59	(42)	16
2030	14	0	0	0	14	0	0	0	0	14	20
2031	14	0	0	0	14	0	0	0	0	14	24
2032	15	0	0	0	15	0	0	0	0	15	28
2033	16	0	0	0	16	0	0	0	0	16	32
2034	16	0	0	0	16	0	0	0	0	16	36
2035	17	0	0	0	17	0	0	0	0	17	40
2036	17	0	4	0	21	70	0	0	70	(49)	30
2037	18	0	0	0	18	0	0	0	0	18	33
2038	18	0	0	0	18	0	0	0	0	18	36
2039	19	0	0	0	19	0	0	0	0	19	39
2040	20	0	0	0	20	0	0	0	0	20	42
2041	20	0	0	0	20	0	0	0	0	20	45
2042	21	0	0	0	21	0	0	0	0	21	48
2043	22	0	4	0	26	84	0	0	84	(58)	41
2044	23	0	0	0	23	0	0	0	0	23	43
2045	23	0	0	0	23	0	0	0	0	23	46
2046	24	0	0	0	24	0	0	0	0	24	48
2047	25	0	0	0	25	0	0	0	0	25	51
2048	26	0	0	0	26	0	0	0	0	26	53
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	540	0	20	0	560	305	0	0	305	254	
NPV	156	0	9	0	164	112	0	0	112	53	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.47

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) 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)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	4	4	0	8	4	0	0	4	(4)	(4)	(4)
2016	0	0	0	8	0	8	13	1	0	14	6	1	1
2017	0	0	0	8	0	8	10	1	0	11	3	3	3
2018	0	0	0	9	0	9	13	1	0	14	5	7	7
2019	0	0	0	9	0	9	21	1	0	22	13	16	16
2020	0	0	0	9	0	9	20	1	0	21	11	23	23
2021	0	0	0	10	0	10	19	1	0	19	10	29	29
2022	0	0	4	10	0	14	19	1	0	20	5	32	32
2023	0	0	0	10	0	10	20	1	0	21	10	38	38
2024	0	0	0	11	0	11	17	1	0	18	8	42	42
2025	0	0	0	11	0	11	20	1	0	21	10	46	46
2026	0	0	0	11	0	11	17	1	0	18	8	49	49
2027	0	0	0	11	0	11	19	1	0	20	9	53	53
2028	0	0	0	11	0	11	18	1	0	19	8	56	56
2029	0	0	4	11	0	16	16	1	0	18	2	57	57
2030	0	0	0	11	0	11	17	1	0	18	6	59	59
2031	0	0	0	12	0	12	17	1	0	19	7	61	61
2032	0	0	0	12	0	12	14	1	0	15	3	61	61
2033	0	0	0	13	0	13	17	1	0	19	6	63	63
2034	0	0	0	13	0	13	14	1	0	16	2	63	63
2035	0	0	0	14	0	14	13	1	0	15	1	64	64
2036	0	0	4	14	0	19	15	1	0	16	(2)	63	63
2037	0	0	0	15	0	15	15	1	0	17	2	64	64
2038	0	0	0	15	0	15	15	1	0	17	1	64	64
2039	0	0	0	16	0	16	14	1	0	16	1	64	64
2040	0	0	0	16	0	16	15	1	0	16	0	64	64
2041	0	0	0	17	0	17	15	1	0	17	0	64	64
2042	0	0	0	17	0	17	16	1	0	19	1	64	64
2043	0	0	4	18	0	22	16	1	0	18	(4)	64	64
2044	0	0	0	19	0	19	17	1	0	19	0	64	64
2045	0	0	0	19	0	19	17	1	0	19	(0)	64	64
2046	0	0	0	20	0	20	16	0	0	18	(2)	64	64
2047	0	0	0	21	0	21	17	0	0	19	(2)	63	63
2048	0	0	0	22	0	22	18	0	0	21	(1)	63	63
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	20	448	0	469	544	21	0	30	595	125	
NPV	0	1	9	129	0	138	188	8	0	5	202	63	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.46

INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	22.40 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	29.45727 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	102,211.60 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	*** %

IV. AVOIDED GENERATOR AND T&D COSTS

(1) BASE YEAR	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* 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

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	28	1	0	2	1	0	0	1	0	5	5	5	27
2020	27	1	0	2	1	0	0	1	0	5	4	9	28
2021	25	1	0	2	1	0	0	1	0	4	4	13	29
2022	24	0	0	2	1	0	0	1	0	4	3	16	29
2023	23	0	0	1	1	0	0	1	0	4	3	20	30
2024	22	0	0	1	1	0	0	1	0	4	3	22	31
2025	21	0	0	1	1	0	0	1	0	4	2	25	32
2026	19	0	0	1	1	0	0	1	0	4	2	27	32
2027	18	0	0	1	1	0	0	1	0	4	2	29	33
2028	17	0	0	1	1	0	0	1	0	3	2	31	34
2029	16	0	0	1	1	0	0	1	0	3	2	32	35
2030	15	0	0	1	1	0	0	1	0	3	1	34	36
2031	14	0	0	1	0	0	0	1	0	3	1	35	37
2032	13	0	0	1	0	0	0	1	0	3	1	36	37
2033	12	0	0	1	0	0	0	1	0	3	1	37	38
2034	11	0	0	1	0	0	0	1	0	3	1	38	39
2035	10	0	0	1	0	0	0	1	0	2	1	39	40
2036	9	0	0	1	0	0	0	1	0	2	1	39	41
2037	8	0	0	1	0	0	0	1	0	2	1	40	42
2038	7	0	0	0	0	0	0	1	0	2	1	41	43
2039	6	0	0	0	0	0	0	1	(0)	2	0	41	45
2040	5	0	0	0	1	0	0	1	(0)	2	0	41	46
2041	5	0	0	0	1	0	0	1	(0)	2	0	42	47
2042	4	0	0	0	1	0	0	1	(0)	2	0	42	48
2043	3	0	0	0	0	0	0	1	(0)	1	0	42	49
2044	3	0	0	0	0	0	0	1	(0)	1	0	42	50
2045	2	0	0	0	0	0	0	1	(0)	1	0	43	52
2046	2	0	0	0	0	0	0	1	(0)	1	0	43	53
2047	1	0	0	0	0	0	0	1	(0)	1	0	43	54
2048	1	0	0	0	0	0	0	1	(0)	1	0	43	56

IN SERVICE COST	(\$000)	27
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	2	3	1	2	1	2	0	1	0	0	0	0	0
2021	6.68%	2	5	1	3	1	3	0	1	0	0	0	0	0
2022	6.18%	2	6	1	4	1	3	0	1	0	0	0	0	1
2023	5.71%	2	8	1	5	1	4	0	1	0	0	0	0	1
2024	5.29%	1	9	1	5	1	5	0	1	0	0	0	0	1
2025	4.89%	1	11	1	6	1	6	0	1	0	0	0	0	1
2026	4.52%	1	12	1	7	1	7	0	1	0	0	0	0	2
2027	4.46%	1	13	1	8	1	8	0	1	0	0	0	0	2
2028	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2029	4.46%	1	15	1	10	1	9	0	1	0	0	0	0	2
2030	4.46%	1	17	1	11	1	10	0	1	0	0	0	0	2
2031	4.46%	1	18	1	12	1	11	0	1	0	0	0	0	2
2032	4.46%	1	19	1	13	1	12	0	1	0	0	0	0	2
2033	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2034	4.46%	1	21	1	15	1	14	0	1	0	0	0	0	3
2035	4.46%	1	23	1	15	1	15	0	1	0	0	0	0	3
2036	4.46%	1	24	1	16	1	15	0	1	0	0	0	0	3
2037	4.46%	1	25	1	17	1	16	0	1	0	0	0	0	3
2038	4.46%	1	26	1	18	1	17	0	1	0	0	0	0	3
2039	2.23%	1	27	1	19	1	18	(0)	1	0	0	0	(0)	3
2040	0.00%	0	27	1	20	1	19	(0)	1	0	0	0	(0)	3
2041	0.00%	0	27	1	21	1	20	(0)	1	0	0	0	(0)	2
2042	0.00%	0	27	1	22	1	21	(0)	1	0	0	0	(0)	2
2043	0.00%	0	27	1	23	1	21	(0)	1	0	0	0	(0)	2
2044	0.00%	0	27	1	24	1	22	(0)	1	0	0	0	(0)	1
2045	0.00%	0	27	1	24	1	23	(0)	1	0	0	0	(0)	1
2046	0.00%	0	27	1	25	1	24	(0)	1	0	0	0	(0)	1
2047	0.00%	0	27	1	26	1	25	(0)	1	0	0	0	(0)	0
2048	0.00%	0	27	1	27	1	26	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	26	1	(0)	28	27	27
2020	7.22%	2	0	25	2	0	27	25	26
2021	6.68%	2	0	24	3	0	25	24	25
2022	6.18%	2	0	24	4	1	24	23	23
2023	5.71%	2	0	23	5	1	23	22	22
2024	5.29%	1	0	22	5	1	22	21	21
2025	4.89%	1	0	21	6	1	21	19	20
2026	4.52%	1	0	20	7	2	19	18	19
2027	4.46%	1	0	19	8	2	18	17	18
2028	4.46%	1	0	18	9	2	17	16	17
2029	4.46%	1	0	17	10	2	16	15	16
2030	4.46%	1	0	16	11	2	15	14	15
2031	4.46%	1	0	15	12	2	14	13	14
2032	4.46%	1	0	15	13	2	13	12	13
2033	4.46%	1	0	14	14	2	12	11	12
2034	4.46%	1	0	13	15	3	11	10	11
2035	4.46%	1	0	12	15	3	10	9	10
2036	4.46%	1	0	11	16	3	9	8	9
2037	4.46%	1	0	10	17	3	8	7	8
2038	4.46%	1	0	9	18	3	7	6	6
2039	2.23%	1	(0)	8	19	3	6	5	6
2040	0.00%	0	(0)	7	20	3	5	5	5
2041	0.00%	0	(0)	6	21	2	5	4	4
2042	0.00%	0	(0)	5	22	2	4	3	4
2043	0.00%	0	(0)	5	23	2	3	3	3
2044	0.00%	0	(0)	4	24	1	3	2	3
2045	0.00%	0	(0)	3	24	1	2	2	2
2046	0.00%	0	(0)	2	25	1	2	1	1
2047	0.00%	0	(0)	1	26	0	1	1	1
2048	0.00%	0	(0)	0	27	0	1	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	25	25	25
EQUITY AFUDC	1		
DEBT AFUDC	1	1	
CPI			2
TOTAL	27	26	27

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	5	2	0	6	7	5
2020	5	2	0	10	12	4
2021	4	2	0	10	13	4
2022	4	2	0	10	12	5
2023	4	2	0	11	13	5
2024	4	2	0	11	13	4
2025	4	2	0	12	14	5
2026	4	2	0	12	13	5
2027	4	2	0	12	14	5
2028	3	2	0	13	14	5
2029	3	2	0	13	15	5
2030	3	3	0	13	15	5
2031	3	3	0	14	15	4
2032	3	3	0	15	16	5
2033	3	3	0	15	16	4
2034	3	3	0	16	17	5
2035	2	3	0	16	17	5
2036	2	3	0	17	18	5
2037	2	3	0	18	19	5
2038	2	3	0	18	19	4
2039	2	3	0	19	20	5
2040	2	3	0	20	21	5
2041	2	3	0	20	21	5
2042	2	3	0	21	22	5
2043	1	4	0	22	23	5
2044	1	4	0	23	24	5
2045	1	4	0	24	24	5
2046	1	4	0	25	25	5
2047	1	4	0	25	26	5
2048	1	4	0	27	27	5
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	81	85	7	489	525	138
NPV	30	22	2	118	131	41

AVOIDED GENERATING EMISSION IMPACT
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	1	1	1	0	0
2023	1	2	1	0	0
2024	2	2	1	0	0
2025	2	2	1	0	0
2026	2	2	1	0	0
2027	2	3	1	0	1
2028	2	3	1	0	1
2029	2	3	1	0	1
2030	3	3	2	0	1
2031	3	4	2	0	1
2032	3	4	2	0	1
2033	3	5	2	0	1
2034	4	5	2	0	1
2035	4	5	2	0	1
2036	4	6	3	0	1
2037	5	6	3	0	1
2038	5	7	3	0	1
2039	6	7	3	0	2
2040	6	8	4	0	2
2041	7	9	4	0	2
2042	7	9	4	0	2
2043	8	10	4	0	2
2044	8	11	5	0	2
2045	9	12	5	0	2
2046	9	12	5	0	3
2047	10	13	6	0	3
2048	11	14	6	0	3
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	129	169	75	0	35
NPV	23	30	13	0	6

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	50	0	50	0	0	4	0	4	(46)	(42)
2016	0	0	0	0	0	0	1	14	0	15	15	(29)
2017	0	0	0	0	0	0	1	12	0	13	13	(19)
2018	0	0	0	0	0	0	1	15	0	16	16	(7)
2019	0	0	0	0	0	5	1	22	0	28	28	13
2020	0	0	0	0	0	4	1	20	0	25	25	29
2021	0	0	0	0	0	4	1	19	0	24	24	44
2022	0	0	59	0	59	5	1	17	0	23	(36)	23
2023	0	0	0	0	0	5	1	18	0	23	23	35
2024	0	0	0	0	0	4	1	15	0	21	21	46
2025	0	0	0	0	0	5	1	19	0	25	25	57
2026	0	0	0	0	0	5	1	18	0	24	24	67
2027	0	0	0	0	0	5	1	17	1	23	23	76
2028	0	0	0	0	0	5	1	20	1	26	26	85
2029	0	0	70	0	71	5	1	15	1	21	(50)	69
2030	0	0	0	0	0	5	1	18	1	24	24	76
2031	0	0	0	0	0	4	1	18	1	24	24	83
2032	0	0	0	0	0	5	1	13	1	20	20	89
2033	0	0	0	0	0	4	1	19	1	25	25	95
2034	0	0	0	0	0	5	1	14	1	20	20	100
2035	0	0	0	0	0	5	1	12	1	18	18	104
2036	0	0	84	0	84	5	1	14	1	21	(63)	91
2037	0	0	0	0	0	5	1	15	1	21	21	95
2038	0	0	0	0	0	4	1	14	1	21	21	99
2039	0	0	0	0	0	5	1	13	2	20	20	102
2040	0	0	0	0	0	5	1	13	2	20	20	105
2041	0	0	0	0	0	5	1	14	2	21	21	108
2042	0	0	0	0	0	5	1	16	2	23	23	111
2043	0	0	100	0	100	5	1	15	2	22	(77)	101
2044	0	0	0	0	0	5	1	16	2	24	24	104
2045	0	0	0	0	0	5	1	16	2	23	23	106
2046	0	0	0	0	0	5	1	14	3	22	22	109
2047	0	0	0	0	0	5	1	14	3	22	22	111
2048	0	0	0	0	0	5	1	18	3	26	26	113
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	363	0	364	138	24	533	35	730	366	
NPV	0	1	133	0	133	41	9	190	6	246	113	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.85

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	4	0	5	0	9	50	0	0	50	(41)	(38)
2016	9	0	0	0	9	0	0	0	0	9	(30)
2017	9	0	0	0	9	0	0	0	0	9	(23)
2018	10	0	0	0	10	0	0	0	0	10	(15)
2019	11	0	0	0	11	0	0	0	0	11	(8)
2020	11	0	0	0	11	0	0	0	0	11	(0)
2021	11	0	0	0	11	0	0	0	0	11	6
2022	12	0	5	0	16	59	0	0	59	(43)	(18)
2023	12	0	0	0	12	0	0	0	0	12	(11)
2024	12	0	0	0	12	0	0	0	0	12	(5)
2025	12	0	0	0	12	0	0	0	0	12	0
2026	12	0	0	0	12	0	0	0	0	12	5
2027	13	0	0	0	13	0	0	0	0	13	10
2028	13	0	0	0	13	0	0	0	0	13	15
2029	13	0	5	0	18	70	0	0	70	(53)	(3)
2030	14	0	0	0	14	0	0	0	0	14	1
2031	14	0	0	0	14	0	0	0	0	14	5
2032	14	0	0	0	14	0	0	0	0	14	9
2033	15	0	0	0	15	0	0	0	0	15	13
2034	16	0	0	0	16	0	0	0	0	16	17
2035	16	0	0	0	16	0	0	0	0	16	21
2036	17	0	5	0	22	84	0	0	84	(62)	8
2037	18	0	0	0	18	0	0	0	0	18	11
2038	19	0	0	0	19	0	0	0	0	19	15
2039	19	0	0	0	19	0	0	0	0	19	18
2040	20	0	0	0	20	0	0	0	0	20	21
2041	21	0	0	0	21	0	0	0	0	21	24
2042	21	0	0	0	21	0	0	0	0	21	27
2043	22	0	5	0	27	100	0	0	100	(73)	18
2044	23	0	0	0	23	0	0	0	0	23	20
2045	24	0	0	0	24	0	0	0	0	24	23
2046	25	0	0	0	25	0	0	0	0	25	25
2047	26	0	0	0	26	0	0	0	0	26	28
2048	27	0	0	0	27	0	0	0	0	27	30
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	539	0	23	0	562	363	0	0	363	199	
NPV	153	0	10	0	163	133	0	0	133	30	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.23

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	39.14 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	51.47199 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	186,904.97 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

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)
2014	0	8	0	8	5	3	45	0	0	45
2015	0	0	0	0	9	5	0	0	0	0
2016	0	0	0	0	9	5	0	0	0	0
2017	0	0	0	0	9	5	0	0	0	0
2018	0	0	0	0	10	6	0	0	0	0
2019	0	0	0	0	11	6	0	0	0	0
2020	0	0	0	0	11	6	0	0	0	0
2021	0	0	0	0	12	7	0	0	0	0
2022	0	0	0	0	12	7	0	0	0	0
2023	0	0	0	0	13	6	0	0	0	0
2024	0	8	0	8	13	6	57	0	0	57
2025	0	0	0	0	13	6	0	0	0	0
2026	0	0	0	0	14	6	0	0	0	0
2027	0	0	0	0	14	6	0	0	0	0
2028	0	0	0	0	15	6	0	0	0	0
2029	0	0	0	0	15	6	0	0	0	0
2030	0	0	0	0	15	6	0	0	0	0
2031	0	0	0	0	16	6	0	0	0	0
2032	0	0	0	0	17	6	0	0	0	0
2033	0	0	0	0	18	6	0	0	0	0
2034	0	8	0	8	19	6	74	0	0	74
2035	0	0	0	0	19	6	0	0	0	0
2036	0	0	0	0	21	6	0	0	0	0
2037	0	0	0	0	22	6	0	0	0	0
2038	0	0	0	0	23	7	0	0	0	0
2039	0	0	0	0	23	7	0	0	0	0
2040	0	0	0	0	24	7	0	0	0	0
2041	0	0	0	0	25	7	0	0	0	0
2042	0	0	0	0	26	7	0	0	0	0
2043	0	0	0	0	28	7	0	0	0	0
2044	0	8	0	8	29	7	94	0	0	94
2045	0	0	0	0	31	7	0	0	0	0
2046	0	0	0	0	32	7	0	0	0	0
2047	0	0	0	0	34	7	0	0	0	0
2048	0	0	0	0	36	7	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	32	0	33	644	216	270	0	0	270
NPV	0	15	0	15	179	76	101	0	0	101

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [REDACTED]

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	48	1	0	3	2	1	0	2	0	8	8	8	48
2020	47	1	0	3	1	1	0	2	1	8	8	16	49
2021	44	1	0	3	1	1	0	2	1	8	7	23	50
2022	42	1	0	3	1	1	0	2	1	8	6	29	51
2023	40	1	0	3	1	1	0	2	0	7	5	34	53
2024	38	1	0	2	1	1	0	2	0	7	5	39	54
2025	36	1	0	2	1	1	0	2	0	7	4	44	55
2026	34	1	0	2	1	1	0	2	0	6	4	48	57
2027	32	1	0	2	1	1	0	2	0	6	3	51	58
2028	30	1	0	2	1	1	0	2	0	6	3	54	59
2029	29	1	0	2	1	1	0	2	0	6	3	57	61
2030	27	1	0	2	1	1	0	2	0	5	2	59	62
2031	25	1	0	2	1	0	0	2	0	5	2	62	64
2032	23	0	0	1	1	0	0	2	0	5	2	63	66
2033	21	0	0	1	1	0	0	2	0	5	2	65	67
2034	20	0	0	1	1	0	0	2	0	4	2	67	69
2035	18	0	0	1	1	0	0	2	0	4	1	68	71
2036	16	0	0	1	0	0	0	2	0	4	1	69	72
2037	14	0	0	1	0	0	0	2	0	4	1	70	74
2038	12	0	0	1	0	0	0	2	0	3	1	71	76
2039	10	0	0	1	1	0	0	2	(0)	3	1	72	78
2040	9	0	0	1	1	0	0	2	(1)	3	1	72	80
2041	8	0	0	1	1	0	0	2	(1)	3	1	73	82
2042	7	0	0	0	1	0	0	2	(1)	3	1	74	84
2043	6	0	0	0	1	0	0	2	(1)	3	0	74	86
2044	5	0	0	0	1	0	0	2	(1)	2	0	74	88
2045	4	0	0	0	1	0	0	2	(1)	2	0	75	90
2046	3	0	0	0	1	0	0	2	(1)	2	0	75	93
2047	2	0	0	0	1	0	0	2	(1)	2	0	75	95
2048	1	0	0	0	1	0	0	2	(1)	2	0	76	97

IN SERVICE COST (\$000)	48
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	%
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

PROGRAM METHOD SELECTED: REV_REQ
DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM NAME: ██████████

(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)
2019	3.75%	2	2	2	2	2	2	0	3	0	0	0	0	(1)
2020	7.22%	3	5	2	3	2	3	1	3	0	0	0	1	0
2021	6.68%	3	8	2	5	2	5	1	3	0	0	0	1	1
2022	6.18%	3	11	2	6	2	6	1	3	0	0	0	1	1
2023	5.71%	3	14	2	8	2	8	0	3	0	0	0	0	2
2024	5.29%	2	16	2	10	2	9	0	3	0	0	0	0	2
2025	4.89%	2	19	2	11	2	11	0	3	0	0	0	0	2
2026	4.52%	2	21	2	13	2	12	0	3	0	0	0	0	3
2027	4.46%	2	23	2	14	2	14	0	3	0	0	0	0	3
2028	4.46%	2	25	2	16	2	15	0	3	0	0	0	0	3
2029	4.46%	2	27	2	17	2	17	0	3	0	0	0	0	3
2030	4.46%	2	29	2	19	2	18	0	3	0	0	0	0	4
2031	4.46%	2	31	2	21	2	20	0	3	0	0	0	0	4
2032	4.46%	2	33	2	22	2	21	0	3	0	0	0	0	4
2033	4.46%	2	35	2	24	2	23	0	3	0	0	0	0	4
2034	4.46%	2	37	2	25	2	24	0	3	0	0	0	0	4
2035	4.46%	2	40	2	27	2	26	0	3	0	0	0	0	5
2036	4.46%	2	42	2	29	2	27	0	3	0	0	0	0	5
2037	4.46%	2	44	2	30	2	29	0	3	0	0	0	0	5
2038	4.46%	2	46	2	32	2	30	0	3	0	0	0	0	5
2039	2.23%	1	47	2	33	2	32	(0)	3	0	0	0	(0)	5
2040	0.00%	0	47	2	35	2	33	(1)	3	0	0	0	(1)	5
2041	0.00%	0	47	2	36	2	35	(1)	3	0	0	0	(1)	4
2042	0.00%	0	47	2	38	2	36	(1)	3	0	0	0	(1)	3
2043	0.00%	0	47	2	40	2	38	(1)	3	0	0	0	(1)	3
2044	0.00%	0	47	2	41	2	39	(1)	3	0	0	0	(1)	2
2045	0.00%	0	47	2	43	2	41	(1)	3	0	0	0	(1)	2
2046	0.00%	0	47	2	44	2	42	(1)	3	0	0	0	(1)	1
2047	0.00%	0	47	2	46	2	44	(1)	3	0	0	0	(1)	1
2048	0.00%	0	47	2	48	2	45	(1)	3	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	3
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	44	44	44
EQUITY AFUDC	3		
DEBT AFUDC	1	1	
CPI			3
TOTAL	48	45	47

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

(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
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	8	3	0	10	13	9
2020	8	3	0	17	22	8
2021	8	4	0	18	22	7
2022	8	4	0	18	22	8
2023	7	4	0	19	22	8
2024	7	4	0	20	23	8
2025	7	4	0	21	24	8
2026	6	4	0	21	23	8
2027	6	4	0	21	24	8
2028	6	4	0	22	24	8
2029	6	4	0	23	25	8
2030	5	4	0	24	26	8
2031	5	5	0	25	27	8
2032	5	5	0	25	27	8
2033	5	5	0	27	29	8
2034	4	5	0	28	30	8
2035	4	5	0	29	30	8
2036	4	5	0	30	31	8
2037	4	5	0	31	33	8
2038	3	5	0	32	34	8
2039	3	6	0	33	34	8
2040	3	6	0	35	36	8
2041	3	6	1	36	37	8
2042	3	6	1	37	38	8
2043	3	6	1	38	40	8
2044	2	6	1	40	42	8
2045	2	6	1	42	43	8
2046	2	7	1	43	44	8
2047	2	7	1	44	46	8
2048	2	7	1	46	47	8
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	143	149	13	854	918	242
NPV	53	38	3	205	228	71

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	2	2	1	0	0
2023	2	3	1	0	1
2024	3	4	2	0	1
2025	3	4	2	0	1
2026	3	4	2	0	1
2027	3	4	2	0	1
2028	4	5	2	0	1
2029	4	5	3	0	1
2030	5	6	3	0	1
2031	5	7	3	0	2
2032	6	7	3	0	2
2033	6	8	4	0	2
2034	7	9	4	0	2
2035	7	9	4	0	2
2036	8	10	5	0	2
2037	8	11	5	0	2
2038	9	12	6	0	3
2039	10	13	6	0	3
2040	11	14	6	0	3
2041	12	15	7	0	3
2042	12	16	8	0	4
2043	13	18	8	0	4
2044	14	19	9	0	4
2045	15	20	9	0	5
2046	16	21	10	0	5
2047	17	23	11	0	5
2048	19	24	11	0	5
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	225	295	137	0	67
NPV	40	53	25	0	12

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	45	0	45	0	0	7	0	7	(38)	(38)
2015	0	0	0	0	0	0	2	16	0	18	18	(21)
2016	0	0	0	0	0	0	2	26	0	27	27	3
2017	0	0	0	0	0	0	2	21	0	23	23	21
2018	0	0	0	0	0	0	2	28	0	30	30	44
2019	0	0	0	0	0	9	2	40	0	51	51	79
2020	0	0	0	0	0	8	2	37	0	46	46	109
2021	0	0	0	0	0	7	2	34	0	43	43	135
2022	0	0	0	0	0	8	1	32	0	42	42	158
2023	0	0	0	0	0	8	1	32	1	42	42	180
2024	0	0	57	0	58	8	1	28	1	38	(19)	171
2025	0	0	0	0	0	8	1	36	1	46	46	191
2026	0	0	0	0	0	8	1	33	1	44	44	210
2027	0	0	0	0	0	8	1	31	1	42	42	226
2028	0	0	0	0	0	8	1	36	1	47	47	243
2029	0	0	0	0	0	8	1	27	1	38	38	255
2030	0	0	0	0	0	8	1	32	1	43	43	269
2031	0	0	0	0	0	8	1	34	2	44	44	282
2032	0	0	0	0	0	8	1	24	2	35	35	291
2033	0	0	0	0	0	8	1	35	2	46	46	303
2034	0	0	74	0	74	8	1	25	2	36	(37)	294
2035	0	0	0	0	0	8	1	22	2	33	33	301
2036	0	0	0	0	0	8	1	26	2	38	38	309
2037	0	0	0	0	0	8	1	27	2	39	39	316
2038	0	0	0	0	0	8	1	26	3	37	37	323
2039	0	0	0	0	0	8	1	24	3	36	36	329
2040	0	0	0	0	0	8	1	24	3	36	36	334
2041	0	0	0	0	0	8	1	26	3	38	38	339
2042	0	0	0	0	0	8	1	29	4	42	42	345
2043	0	0	0	0	0	8	1	28	4	41	41	350
2044	0	0	94	0	94	8	1	30	4	43	(51)	344
2045	0	0	0	0	0	8	1	28	5	42	42	349
2046	0	0	0	0	0	8	1	25	5	39	39	352
2047	0	0	0	0	0	8	1	26	5	41	41	356
2048	0	0	0	0	0	8	1	32	5	47	47	360
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	270	0	271	242	42	990	67	1,341	1,071	1,071
NPV	0	0	101	0	101	71	17	361	12	461	360	360

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 4.57

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	77.60 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	102.03929 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	431,651.94 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME:

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)
2014	0	16	0	16	11	5	147	0	0	147
2015	0	0	0	0	20	11	0	0	0	0
2016	0	0	0	0	21	11	0	0	0	0
2017	0	0	0	0	22	11	0	0	0	0
2018	0	0	0	0	24	11	0	0	0	0
2019	0	0	0	0	26	12	0	0	0	0
2020	0	0	0	0	26	13	0	0	0	0
2021	0	0	0	0	27	13	0	0	0	0
2022	0	0	0	0	27	14	0	0	0	0
2023	0	0	0	0	29	13	0	0	0	0
2024	0	16	0	16	30	13	188	0	0	188
2025	0	0	0	0	30	12	0	0	0	0
2026	0	0	0	0	31	12	0	0	0	0
2027	0	0	0	0	32	12	0	0	0	0
2028	0	0	0	0	33	12	0	0	0	0
2029	0	0	0	0	34	12	0	0	0	0
2030	0	0	0	0	35	12	0	0	0	0
2031	0	0	0	0	36	12	0	0	0	0
2032	0	0	0	0	38	12	0	0	0	0
2033	0	0	0	0	41	13	0	0	0	0
2034	0	16	0	16	43	13	241	0	0	241
2035	0	0	0	0	44	13	0	0	0	0
2036	0	0	0	0	48	13	0	0	0	0
2037	0	0	0	0	49	13	0	0	0	0
2038	0	0	0	0	52	13	0	0	0	0
2039	0	0	0	0	54	13	0	0	0	0
2040	0	0	0	0	55	13	0	0	0	0
2041	0	0	0	0	58	14	0	0	0	0
2042	0	0	0	0	60	14	0	0	0	0
2043	0	0	0	0	64	14	0	0	0	0
2044	0	16	0	16	67	14	308	0	0	308
2045	0	0	0	0	70	14	0	0	0	0
2046	0	0	0	0	74	14	0	0	0	0
2047	0	0	0	0	78	14	0	0	0	0
2048	0	0	0	0	81	14	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	64	0	65	1,471	439	884	0	0	884
NPV	0	29	0	30	408	154	329	0	0	329

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

(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)
2019	3.75%	3	3	3	3	3	3	0	5	0	0	0	0	(1)
2020	7.22%	7	10	3	6	3	6	1	5	0	0	0	1	0
2021	6.68%	6	16	3	9	3	9	1	5	0	0	0	1	0
2022	6.18%	6	22	3	13	3	12	1	5	0	0	0	1	3
2023	5.71%	5	27	3	16	3	15	1	5	0	0	0	1	4
2024	5.29%	5	32	3	19	3	18	1	5	0	0	0	1	4
2025	4.89%	5	37	3	22	3	21	1	5	0	0	0	1	5
2026	4.52%	4	41	3	25	3	24	0	5	0	0	0	0	5
2027	4.46%	4	45	3	28	3	27	0	5	0	0	0	0	6
2028	4.46%	4	49	3	31	3	30	0	5	0	0	0	0	6
2029	4.46%	4	53	3	35	3	33	0	5	0	0	0	0	7
2030	4.46%	4	58	3	38	3	36	0	5	0	0	0	0	7
2031	4.46%	4	62	3	41	3	39	0	5	0	0	0	0	8
2032	4.46%	4	66	3	44	3	42	0	5	0	0	0	0	8
2033	4.46%	4	70	3	47	3	45	0	5	0	0	0	0	8
2034	4.46%	4	74	3	50	3	48	0	5	0	0	0	0	9
2035	4.46%	4	78	3	53	3	51	0	5	0	0	0	0	9
2036	4.46%	4	82	3	57	3	54	0	5	0	0	0	0	10
2037	4.46%	4	87	3	60	3	57	0	5	0	0	0	0	10
2038	4.46%	4	91	3	63	3	60	0	5	0	0	0	0	11
2039	2.23%	2	93	3	66	3	63	(0)	5	0	0	0	(0)	10
2040	0.00%	0	93	3	69	3	66	(1)	5	0	0	0	(1)	9
2041	0.00%	0	93	3	72	3	69	(1)	5	0	0	0	(1)	8
2042	0.00%	0	93	3	75	3	72	(1)	5	0	0	0	(1)	7
2043	0.00%	0	93	3	79	3	75	(1)	5	0	0	0	(1)	6
2044	0.00%	0	93	3	82	3	77	(1)	5	0	0	0	(1)	5
2045	0.00%	0	93	3	85	3	80	(1)	5	0	0	0	(1)	3
2046	0.00%	0	93	3	88	3	83	(1)	5	0	0	0	(1)	2
2047	0.00%	0	93	3	91	3	86	(1)	5	0	0	0	(1)	1
2048	0.00%	0	93	3	94	3	89	(1)	5	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	5
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(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)
2019	3.75%	3	0	91	3	(1)	96	92	94
2020	7.22%	7	1	88	6	0	92	88	90
2021	6.68%	6	1	85	9	2	88	83	86
2022	6.18%	6	1	82	13	3	83	79	81
2023	5.71%	5	1	79	16	4	79	75	77
2024	5.29%	5	1	75	19	4	75	71	73
2025	4.89%	5	1	72	22	5	71	67	69
2026	4.52%	4	0	69	25	5	67	64	66
2027	4.46%	4	0	66	28	6	64	60	62
2028	4.46%	4	0	63	31	6	60	57	58
2029	4.46%	4	0	60	35	7	57	53	55
2030	4.46%	4	0	57	38	7	53	50	51
2031	4.46%	4	0	53	41	8	50	46	48
2032	4.46%	4	0	50	44	8	46	42	44
2033	4.46%	4	0	47	47	8	42	39	41
2034	4.46%	4	0	44	50	9	39	35	37
2035	4.46%	4	0	41	53	9	35	32	33
2036	4.46%	4	0	38	57	10	32	28	30
2037	4.46%	4	0	35	60	10	28	24	26
2038	4.46%	4	0	31	63	11	24	21	23
2039	2.23%	2	(0)	28	66	10	21	18	19
2040	0.00%	0	(1)	25	69	9	18	16	17
2041	0.00%	0	(1)	22	72	8	16	14	15
2042	0.00%	0	(1)	19	75	7	14	12	13
2043	0.00%	0	(1)	16	79	6	12	10	11
2044	0.00%	0	(1)	13	82	5	10	8	9
2045	0.00%	0	(1)	9	85	3	8	6	7
2046	0.00%	0	(1)	6	88	2	6	4	5
2047	0.00%	0	(1)	3	91	1	4	2	3
2048	0.00%	0	(1)	(0)	94	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

(8) NO. YEARS BEFORE IN-SERVICE	(8a)* CUMULATIVE SPENDING WITH AFUDC (\$/kW)	(8b)* 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)	
2014	-5	0.41	0.01	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86	
2015	-4	1.99	0.04	0.13	0.10	0.12	(0.02)	(0.03)	2.39	3.24	
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	87	87	87
EQUITY AFUDC	5		
DEBT AFUDC	2	2	
CPI			6
TOTAL	94	89	93

* Column not specified in workbook

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	17	7	0	19	25	18
2020	16	7	1	34	43	15
2021	16	7	1	35	44	15
2022	15	7	1	36	43	16
2023	14	7	1	38	44	16
2024	14	8	1	40	46	16
2025	13	8	1	41	47	16
2026	13	8	1	41	46	16
2027	12	8	1	42	48	16
2028	12	8	1	44	48	17
2029	11	9	1	46	51	16
2030	11	9	1	47	51	16
2031	10	9	1	49	53	16
2032	10	9	1	50	54	16
2033	9	10	1	53	57	16
2034	9	10	1	55	59	16
2035	8	10	1	57	60	16
2036	8	10	1	59	62	16
2037	7	11	1	61	64	16
2038	7	11	1	64	67	15
2039	6	11	1	66	68	16
2040	6	11	1	69	71	16
2041	6	12	1	71	73	16
2042	5	12	1	74	76	16
2043	5	12	1	76	79	16
2044	5	12	1	80	82	16
2045	4	13	1	83	85	16
2046	4	13	1	86	88	16
2047	4	13	1	88	90	16
2048	4	14	1	92	94	17
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	283	296	26	1,694	1,819	479
NPV	104	76	7	406	453	140

AVOIDED GENERATING EMISSION IMPACT
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████████████

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	REPLACEMENT EMISSION COST \$(000)	PROGRAM EMISSION BENEFIT \$(000)	OFF-PEAK EMISSION PAYBACK COST \$(000)	NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	3	4	2	0	1
2023	5	6	3	0	2
2024	5	7	4	0	2
2025	6	8	4	0	2
2026	6	8	4	0	3
2027	7	9	5	0	3
2028	7	10	5	0	3
2029	8	11	6	0	3
2030	9	12	6	0	4
2031	10	13	7	0	4
2032	11	14	8	0	4
2033	12	16	9	0	5
2034	13	17	9	0	5
2035	14	19	10	0	6
2036	16	20	11	0	6
2037	17	22	12	0	7
2038	18	24	13	0	7
2039	20	26	14	0	8
2040	21	28	15	0	8
2041	23	30	16	0	9
2042	25	32	17	0	10
2043	27	35	19	0	10
2044	28	37	20	0	11
2045	30	40	21	0	12
2046	33	43	23	0	13
2047	35	45	24	0	14
2048	37	48	26	0	15
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	446	584	316	0	178
NPV	80	104	57	0	33

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2014	0	0	147	0	147	0	0	15	0	16	(131)	(131)
2015	0	0	0	0	0	0	4	36	0	40	40	(94)
2016	0	0	0	0	0	0	3	53	0	56	56	(45)
2017	0	0	0	0	0	0	3	44	0	48	48	(7)
2018	0	0	0	0	0	0	3	51	0	54	54	34
2019	0	0	0	0	0	18	3	72	0	93	93	98
2020	0	0	0	0	0	15	3	85	0	103	103	165
2021	0	0	0	0	0	15	3	78	0	96	96	223
2022	0	0	0	0	0	16	3	68	1	88	88	272
2023	0	0	0	0	0	16	3	61	2	82	82	315
2024	0	0	188	0	188	16	3	61	2	81	(107)	263
2025	0	0	0	0	0	16	3	76	2	97	97	307
2026	0	0	0	0	0	16	3	82	3	104	104	350
2027	0	0	0	0	0	16	3	73	3	94	94	386
2028	0	0	0	0	0	17	2	74	3	96	96	421
2029	0	0	0	0	0	16	2	56	3	78	78	448
2030	0	0	0	0	0	16	2	64	4	86	86	474
2031	0	0	0	0	0	16	2	73	4	95	95	502
2032	0	0	0	0	0	16	2	67	4	89	89	526
2033	0	0	0	0	0	16	2	69	5	92	92	549
2034	0	0	241	0	241	16	2	57	5	80	(161)	512
2035	0	0	0	0	0	16	2	52	6	76	76	528
2036	0	0	0	0	0	16	2	75	6	99	99	548
2037	0	0	0	0	0	16	2	77	7	102	102	567
2038	0	0	0	0	0	15	2	70	7	95	95	584
2039	0	0	0	0	0	16	2	59	8	85	85	598
2040	0	0	0	0	0	16	2	62	8	88	88	611
2041	0	0	0	0	0	16	2	67	9	94	94	624
2042	0	0	0	0	0	16	2	79	10	107	107	638
2043	0	0	0	0	0	16	2	73	10	101	101	651
2044	0	0	308	0	308	16	2	80	11	109	(200)	628
2045	0	0	0	0	0	16	2	73	12	103	103	639
2046	0	0	0	0	0	16	2	59	13	90	90	648
2047	0	0	0	0	0	16	2	61	14	93	93	656
2048	0	0	0	0	0	17	2	82	15	115	115	666
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	884	0	885	479	84	2,285	178	3,026	2,141	
NPV	0	0	329	0	329	140	34	788	33	995	666	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.02

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	16	16	0	32	15	0	0	0	16	(17)	(17)
2015	0	0	0	31	0	31	36	4	0	0	40	9	(8)
2016	0	0	0	32	0	32	53	3	0	0	56	25	13
2017	0	0	0	33	0	33	44	3	0	0	48	15	25
2018	0	0	0	35	0	35	51	3	0	0	54	19	39
2019	0	0	0	38	0	38	90	3	0	0	93	55	77
2020	0	0	0	39	0	39	100	3	0	0	103	64	119
2021	0	0	0	40	0	40	93	3	0	0	96	56	153
2022	0	0	0	41	0	41	84	3	0	1	88	47	179
2023	0	0	0	42	0	42	77	3	0	2	82	40	200
2024	0	0	16	42	0	59	77	3	0	2	81	23	211
2025	0	0	0	42	0	42	92	3	0	2	97	55	236
2026	0	0	0	43	0	43	99	3	0	3	104	61	261
2027	0	0	0	44	0	44	88	3	0	3	94	50	281
2028	0	0	0	45	0	45	91	2	0	3	96	51	299
2029	0	0	0	46	0	46	72	2	0	3	78	32	310
2030	0	0	0	47	0	47	80	2	0	4	86	39	322
2031	0	0	0	48	0	48	89	2	0	4	95	47	336
2032	0	0	0	50	0	50	83	2	0	4	89	39	347
2033	0	0	0	54	0	54	85	2	0	5	92	38	356
2034	0	0	16	56	0	72	73	2	0	5	80	8	358
2035	0	0	0	57	0	57	68	2	0	6	76	18	362
2036	0	0	0	61	0	61	91	2	0	6	99	38	370
2037	0	0	0	63	0	63	93	2	0	7	102	39	377
2038	0	0	0	65	0	65	86	2	0	7	95	30	383
2039	0	0	0	67	0	67	75	2	0	8	85	18	386
2040	0	0	0	69	0	69	78	2	0	8	88	19	388
2041	0	0	0	71	0	71	83	2	0	9	94	23	392
2042	0	0	0	74	0	74	95	2	0	10	107	33	396
2043	0	0	0	78	0	78	89	2	0	10	101	23	399
2044	0	0	16	81	0	98	95	2	0	11	109	11	400
2045	0	0	0	85	0	85	89	2	0	12	103	18	402
2046	0	0	0	88	0	88	76	2	0	13	90	2	402
2047	0	0	0	92	0	92	78	2	0	14	93	1	402
2048	0	0	0	96	0	96	98	2	0	15	115	19	404
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	64	1,910	0	1,975	2,764	84	0	178	3,026	1,051	
NPV	0	0	29	562	0	592	929	34	0	33	995	404	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.68

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	144.21 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	189.63004 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	873,162.25 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████

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)
2014	0	30	0	30	17	8	383	0	0	383
2015	0	0	0	0	31	16	0	0	0	0
2016	0	0	0	0	32	16	0	0	0	0
2017	0	0	0	0	33	17	0	0	0	0
2018	0	0	0	0	38	17	0	0	0	0
2019	0	0	0	0	41	18	0	0	0	0
2020	0	0	0	0	42	20	0	0	0	0
2021	0	0	0	0	43	21	0	0	0	0
2022	0	0	0	0	43	21	0	0	0	0
2023	0	0	0	0	45	17	0	0	0	0
2024	0	30	0	30	47	17	490	0	0	490
2025	0	0	0	0	48	16	0	0	0	0
2026	0	0	0	0	50	16	0	0	0	0
2027	0	0	0	0	51	16	0	0	0	0
2028	0	0	0	0	53	16	0	0	0	0
2029	0	0	0	0	55	16	0	0	0	0
2030	0	0	0	0	57	16	0	0	0	0
2031	0	0	0	0	59	16	0	0	0	0
2032	0	0	0	0	62	16	0	0	0	0
2033	0	0	0	0	68	16	0	0	0	0
2034	0	30	0	30	71	17	627	0	0	627
2035	0	0	0	0	74	17	0	0	0	0
2036	0	0	0	0	81	17	0	0	0	0
2037	0	0	0	0	84	17	0	0	0	0
2038	0	0	0	0	88	17	0	0	0	0
2039	0	0	0	0	92	17	0	0	0	0
2040	0	0	0	0	95	17	0	0	0	0
2041	0	0	0	0	100	18	0	0	0	0
2042	0	0	0	0	105	18	0	0	0	0
2043	0	0	0	0	112	18	0	0	0	0
2044	0	30	0	30	118	18	803	0	0	803
2045	0	0	0	0	124	18	0	0	0	0
2046	0	0	0	0	131	18	0	0	0	0
2047	0	0	0	0	138	18	0	0	0	0
2048	0	0	0	0	145	19	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	119	0	120	2,475	594	2,303	0	0	2,303
NPV	0	54	0	55	665	217	857	0	0	857

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	162	162	162
EQUITY AFUDC	9		
DEBT AFUDC	4	4	
CPI			10
TOTAL	175	166	173

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	31	13	1	36	47	33
2020	30	13	1	64	80	28
2021	29	13	1	65	81	27
2022	28	13	1	67	80	29
2023	27	14	1	70	82	30
2024	26	14	1	74	86	29
2025	25	15	1	76	88	29
2026	24	15	1	76	86	30
2027	23	15	1	78	89	29
2028	22	16	1	82	90	31
2029	21	16	1	85	94	29
2030	20	16	1	87	94	30
2031	19	17	1	90	99	29
2032	18	17	1	94	101	30
2033	17	18	2	98	106	29
2034	16	18	2	102	109	29
2035	16	19	2	106	112	30
2036	15	19	2	110	115	30
2037	14	20	2	114	120	29
2038	13	20	2	118	124	29
2039	12	21	2	123	127	30
2040	11	21	2	127	132	29
2041	11	22	2	131	136	30
2042	10	22	2	137	141	30
2043	9	23	2	142	146	30
2044	9	23	2	148	153	29
2045	8	24	2	153	158	30
2046	8	24	2	159	163	31
2047	7	25	2	164	168	30
2048	7	26	2	171	175	31
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	526	550	48	3,147	3,381	890
NPV	193	142	12	755	841	261

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [REDACTED]

(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)
2014	0	0	0	0	0	0	31	0
2015	5	1	6	1	0	1	73	0
2016	5	1	5	1	0	1	107	0
2017	4	1	5	1	0	1	90	0
2018	4	1	5	1	0	1	103	0
2019	4	1	5	1	0	1	145	0
2020	4	1	5	1	0	1	172	0
2021	4	1	5	1	0	1	158	0
2022	4	1	4	1	0	1	138	0
2023	4	1	4	0	0	1	124	0
2024	3	1	4	0	0	1	123	0
2025	3	1	4	0	0	1	154	0
2026	3	1	4	0	0	1	167	0
2027	3	1	4	0	0	1	147	0
2028	3	1	4	0	0	1	150	0
2029	3	1	4	0	0	1	114	0
2030	3	1	3	0	1	1	129	0
2031	2	1	3	0	1	1	148	0
2032	2	1	3	0	1	1	135	0
2033	2	1	3	0	1	1	140	0
2034	2	1	3	0	1	1	115	0
2035	2	1	3	0	1	1	105	0
2036	2	1	3	0	1	1	151	0
2037	2	1	3	0	1	1	156	0
2038	2	1	3	0	1	1	143	0
2039	2	1	3	0	1	1	119	0
2040	2	1	3	0	1	1	125	0
2041	2	1	3	0	1	1	136	0
2042	2	1	3	0	1	1	159	0
2043	2	1	3	0	1	1	147	0
2044	2	1	3	0	1	1	162	0
2045	1	1	3	0	1	1	147	0
2046	1	1	3	0	1	1	120	0
2047	1	2	3	0	1	1	124	0
2048	1	2	3	0	1	1	166	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	91	36	127	11	18	29	4,622	0
NPV	41	11	52	5	6	11	1,595	0

* 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: [REDACTED]

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)
2014	0	0	1	0	1
2015	0	0	0	0	0
2016	0	0	0	0	0
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	6	8	5	0	3
2023	9	12	7	0	4
2024	10	13	8	0	4
2025	11	14	8	0	5
2026	12	15	9	0	5
2027	13	16	10	0	6
2028	14	18	11	0	7
2029	15	20	12	0	7
2030	17	22	13	0	8
2031	18	24	14	0	9
2032	20	27	16	0	9
2033	22	29	17	0	10
2034	24	32	19	0	11
2035	26	35	20	0	12
2036	29	38	22	0	13
2037	31	41	24	0	14
2038	34	44	26	0	15
2039	36	48	28	0	17
2040	39	52	30	0	18
2041	43	56	33	0	19
2042	46	60	35	0	21
2043	49	65	38	0	23
2044	53	69	41	0	24
2045	57	74	43	0	26
2046	60	79	46	0	28
2047	64	84	49	0	29
2048	69	90	53	0	31
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	828	1,085	640	0	382
NPV	148	194	116	0	70

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	383	0	383	0	0	31	1	32	(351)	(351)
2015	0	0	0	0	0	0	7	73	0	81	81	(276)
2016	0	0	0	0	0	0	6	107	0	114	114	(178)
2017	0	0	0	0	0	0	6	90	0	96	96	(101)
2018	0	0	0	0	0	0	6	103	0	109	109	(20)
2019	0	0	0	0	0	33	6	145	0	184	184	109
2020	0	0	0	0	0	28	6	172	0	206	206	242
2021	0	0	0	0	0	27	6	158	0	191	191	357
2022	0	0	0	0	0	29	5	138	3	176	176	455
2023	0	0	0	0	0	30	5	124	4	163	163	540
2024	0	0	490	0	490	29	5	123	4	162	(328)	381
2025	0	0	0	0	0	29	5	154	5	194	194	468
2026	0	0	0	0	0	30	5	167	5	207	207	555
2027	0	0	0	0	0	29	5	147	6	187	187	627
2028	0	0	0	0	0	31	5	150	7	192	192	697
2029	0	0	0	0	0	29	4	114	7	155	155	749
2030	0	0	0	0	0	30	4	129	8	171	171	803
2031	0	0	0	0	0	29	4	148	9	190	190	858
2032	0	0	0	0	0	30	4	135	9	178	178	906
2033	0	0	0	0	0	29	4	140	10	183	183	952
2034	0	0	627	0	628	29	4	115	11	160	(468)	843
2035	0	0	0	0	0	30	4	105	12	151	151	876
2036	0	0	0	0	0	30	4	151	13	198	198	916
2037	0	0	0	0	0	29	4	156	14	204	204	954
2038	0	0	0	0	0	29	4	143	15	191	191	988
2039	0	0	0	0	0	30	4	119	17	170	170	1,015
2040	0	0	0	0	0	29	4	125	18	176	176	1,042
2041	0	0	0	0	0	30	4	136	19	188	188	1,068
2042	0	0	0	0	0	30	4	159	21	214	214	1,096
2043	0	0	0	0	0	30	4	147	23	203	203	1,121
2044	0	0	803	0	803	29	4	162	24	219	(585)	1,055
2045	0	0	0	0	0	30	4	147	26	206	206	1,077
2046	0	0	0	0	0	31	4	120	28	181	181	1,094
2047	0	0	0	0	0	30	4	124	29	187	187	1,111
2048	0	0	0	0	0	31	4	166	31	231	231	1,131
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	2,303	0	2,304	890	156	4,622	382	6,052	3,747	
NPV	0	0	857	0	858	261	63	1,595	70	1,989	1,131	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.32

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	25	0	30	0	55	383	0	0	383	(328)	(328)
2015	47	0	0	0	47	0	0	0	0	47	(284)
2016	48	0	0	0	48	0	0	0	0	48	(242)
2017	50	0	0	0	50	0	0	0	0	50	(202)
2018	54	0	0	0	54	0	0	0	0	54	(161)
2019	60	0	0	0	60	0	0	0	0	60	(119)
2020	62	0	0	0	62	0	0	0	0	62	(79)
2021	64	0	0	0	64	0	0	0	0	64	(41)
2022	64	0	0	0	64	0	0	0	0	64	(5)
2023	62	0	0	0	62	0	0	0	0	62	27
2024	64	0	30	0	94	490	0	0	490	(396)	(164)
2025	64	0	0	0	64	0	0	0	0	64	(135)
2026	65	0	0	0	65	0	0	0	0	65	(108)
2027	67	0	0	0	67	0	0	0	0	67	(82)
2028	69	0	0	0	69	0	0	0	0	69	(57)
2029	71	0	0	0	71	0	0	0	0	71	(33)
2030	73	0	0	0	73	0	0	0	0	73	(11)
2031	75	0	0	0	75	0	0	0	0	75	11
2032	78	0	0	0	78	0	0	0	0	78	32
2033	85	0	0	0	85	0	0	0	0	85	54
2034	88	0	30	0	118	627	0	0	627	(510)	(66)
2035	91	0	0	0	91	0	0	0	0	91	(46)
2036	97	0	0	0	97	0	0	0	0	97	(26)
2037	101	0	0	0	101	0	0	0	0	101	(7)
2038	105	0	0	0	105	0	0	0	0	105	11
2039	109	0	0	0	109	0	0	0	0	109	29
2040	113	0	0	0	113	0	0	0	0	113	46
2041	117	0	0	0	117	0	0	0	0	117	62
2042	122	0	0	0	122	0	0	0	0	122	79
2043	130	0	0	0	130	0	0	0	0	130	94
2044	136	0	30	0	166	803	0	0	803	(637)	22
2045	142	0	0	0	142	0	0	0	0	142	37
2046	149	0	0	0	149	0	0	0	0	149	52
2047	156	0	0	0	156	0	0	0	0	156	66
2048	164	0	0	0	164	0	0	0	0	164	80
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	3,069	0	119	0	3,187	2,303	0	0	2,303	884	
NPV	883	0	54	0	937	857	0	0	857	80	

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

2019
7.54 %
1.09

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	30	25	0	55	31	0	0	1	32	(24)	(24)
2015	0	0	0	47	0	47	73	7	0	0	81	33	7
2016	0	0	0	48	0	48	107	6	0	0	114	65	64
2017	0	0	0	50	0	50	90	6	0	0	96	46	101
2018	0	0	0	54	0	54	103	6	0	0	109	54	141
2019	0	0	0	60	0	60	178	6	0	0	184	124	228
2020	0	0	0	62	0	62	200	6	0	0	206	144	321
2021	0	0	0	64	0	64	186	6	0	0	191	128	398
2022	0	0	0	64	0	64	168	5	0	3	176	111	460
2023	0	0	0	62	0	62	154	5	0	4	163	100	512
2024	0	0	30	64	0	94	152	5	0	4	162	68	545
2025	0	0	0	64	0	64	184	5	0	5	194	130	603
2026	0	0	0	65	0	65	197	5	0	5	207	142	663
2027	0	0	0	67	0	67	176	5	0	6	187	120	709
2028	0	0	0	69	0	69	181	5	0	7	192	124	754
2029	0	0	0	71	0	71	144	4	0	7	155	85	783
2030	0	0	0	73	0	73	159	4	0	8	171	99	813
2031	0	0	0	75	0	75	177	4	0	9	190	116	847
2032	0	0	0	78	0	78	165	4	0	9	178	100	874
2033	0	0	0	85	0	85	169	4	0	10	183	99	899
2034	0	0	30	88	0	118	144	4	0	11	160	42	909
2035	0	0	0	91	0	91	134	4	0	12	151	60	922
2036	0	0	0	97	0	97	181	4	0	13	198	101	942
2037	0	0	0	101	0	101	186	4	0	14	204	103	961
2038	0	0	0	105	0	105	171	4	0	15	191	86	976
2039	0	0	0	109	0	109	149	4	0	17	170	61	986
2040	0	0	0	113	0	113	154	4	0	18	176	63	996
2041	0	0	0	117	0	117	165	4	0	19	188	71	1,006
2042	0	0	0	122	0	122	189	4	0	21	214	92	1,018
2043	0	0	0	130	0	130	177	4	0	23	203	73	1,027
2044	0	0	30	136	0	166	191	4	0	24	219	53	1,033
2045	0	0	0	142	0	142	177	4	0	26	206	64	1,039
2046	0	0	0	149	0	149	150	4	0	28	181	33	1,043
2047	0	0	0	156	0	156	154	4	0	29	187	31	1,045
2048	0	0	0	164	0	164	196	4	0	31	231	68	1,051
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	119	3,069	0	3,189	5,513	156	0	382	6,052	2,863	
NPV	0	0	54	883	0	938	1,856	63	0	70	1,989	1,051	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.12

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	5.79 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	7.60824 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	33,769.54 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

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)
2014	0	1	0	1	1	0	9	0	0	9
2015	0	0	0	0	2	1	0	0	0	0
2016	0	0	0	0	2	1	0	0	0	0
2017	0	0	0	0	2	1	0	0	0	0
2018	0	0	0	0	2	1	0	0	0	0
2019	0	0	0	0	2	1	0	0	0	0
2020	0	0	0	0	2	1	0	0	0	0
2021	0	0	0	0	2	1	0	0	0	0
2022	0	0	0	0	2	1	0	0	0	0
2023	0	0	0	0	2	1	0	0	0	0
2024	0	1	0	1	2	1	11	0	0	11
2025	0	0	0	0	2	1	0	0	0	0
2026	0	0	0	0	2	1	0	0	0	0
2027	0	0	0	0	3	1	0	0	0	0
2028	0	0	0	0	3	1	0	0	0	0
2029	0	0	0	0	3	1	0	0	0	0
2030	0	0	0	0	3	1	0	0	0	0
2031	0	0	0	0	3	1	0	0	0	0
2032	0	0	0	0	3	1	0	0	0	0
2033	0	0	0	0	3	1	0	0	0	0
2034	0	1	0	1	3	1	15	0	0	15
2035	0	0	0	0	4	1	0	0	0	0
2036	0	0	0	0	4	1	0	0	0	0
2037	0	0	0	0	4	1	0	0	0	0
2038	0	0	0	0	4	1	0	0	0	0
2039	0	0	0	0	4	1	0	0	0	0
2040	0	0	0	0	4	1	0	0	0	0
2041	0	0	0	0	5	1	0	0	0	0
2042	0	0	0	0	5	1	0	0	0	0
2043	0	0	0	0	5	1	0	0	0	0
2044	0	1	0	1	5	1	19	0	0	19
2045	0	0	0	0	6	1	0	0	0	0
2046	0	0	0	0	6	1	0	0	0	0
2047	0	0	0	0	6	1	0	0	0	0
2048	0	0	0	0	6	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	0	5	0	5	116	32	53	0	0	53
NPV	0	2	0	2	32	11	20	0	0	20

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	0	0	0	0	0	0	0	0	0	0	0	0	(0)
2020	7.22%	0	1	0	0	0	0	0	0	0	0	0	0	0
2021	6.68%	0	1	0	1	0	1	0	0	0	0	0	0	0
2022	6.18%	0	2	0	1	0	1	0	0	0	0	0	0	0
2023	5.71%	0	2	0	1	0	1	0	0	0	0	0	0	0
2024	5.29%	0	2	0	1	0	1	0	0	0	0	0	0	0
2025	4.89%	0	3	0	2	0	2	0	0	0	0	0	0	0
2026	4.52%	0	3	0	2	0	2	0	0	0	0	0	0	0
2027	4.46%	0	3	0	2	0	2	0	0	0	0	0	0	0
2028	4.46%	0	4	0	2	0	2	0	0	0	0	0	0	0
2029	4.46%	0	4	0	3	0	2	0	0	0	0	0	0	0
2030	4.46%	0	4	0	3	0	3	0	0	0	0	0	0	1
2031	4.46%	0	5	0	3	0	3	0	0	0	0	0	0	1
2032	4.46%	0	5	0	3	0	3	0	0	0	0	0	0	1
2033	4.46%	0	5	0	4	0	3	0	0	0	0	0	0	1
2034	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2035	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2036	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2037	4.46%	0	6	0	4	0	4	0	0	0	0	0	0	1
2038	4.46%	0	7	0	5	0	4	0	0	0	0	0	0	1
2039	2.23%	0	7	0	5	0	5	(0)	0	0	0	(0)	0	1
2040	0.00%	0	7	0	5	0	5	(0)	0	0	0	(0)	0	1
2041	0.00%	0	7	0	5	0	5	(0)	0	0	0	(0)	0	1
2042	0.00%	0	7	0	6	0	5	(0)	0	0	0	(0)	0	1
2043	0.00%	0	7	0	6	0	6	(0)	0	0	0	(0)	0	0
2044	0.00%	0	7	0	6	0	6	(0)	0	0	0	(0)	0	0
2045	0.00%	0	7	0	6	0	6	(0)	0	0	0	(0)	0	0
2046	0.00%	0	7	0	7	0	6	(0)	0	0	0	(0)	0	0
2047	0.00%	0	7	0	7	0	6	(0)	0	0	0	(0)	0	0
2048	0.00%	0	7	0	7	0	7	(0)	0	0	0	(0)	0	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	0
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: XX

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	0	0	7	0	(0)	7	7	7
2020	7.22%	0	0	7	0	0	7	7	7
2021	6.68%	0	0	6	1	0	7	6	6
2022	6.18%	0	0	6	1	0	6	6	6
2023	5.71%	0	0	6	1	0	6	6	6
2024	5.29%	0	0	6	1	0	6	5	5
2025	4.89%	0	0	5	2	0	5	5	5
2026	4.52%	0	0	5	2	0	5	5	5
2027	4.46%	0	0	5	2	0	5	4	5
2028	4.46%	0	0	5	2	0	4	4	4
2029	4.46%	0	0	4	3	0	4	4	4
2030	4.46%	0	0	4	3	1	4	4	4
2031	4.46%	0	0	4	3	1	4	3	4
2032	4.46%	0	0	4	3	1	3	3	3
2033	4.46%	0	0	4	4	1	3	3	3
2034	4.46%	0	0	3	4	1	3	3	3
2035	4.46%	0	0	3	4	1	3	2	2
2036	4.46%	0	0	3	4	1	2	2	2
2037	4.46%	0	0	3	4	1	2	2	2
2038	4.46%	0	0	2	5	1	2	2	2
2039	2.23%	0	(0)	2	5	1	2	1	1
2040	0.00%	0	(0)	2	5	1	1	1	1
2041	0.00%	0	(0)	2	5	1	1	1	1
2042	0.00%	0	(0)	1	6	1	1	1	1
2043	0.00%	0	(0)	1	6	0	1	1	1
2044	0.00%	0	(0)	1	6	0	1	1	1
2045	0.00%	0	(0)	1	6	0	1	0	1
2046	0.00%	0	(0)	0	7	0	0	0	0
2047	0.00%	0	(0)	0	7	0	0	0	0
2048	0.00%	0	(0)	0	7	0	0	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEFT TAX	TAX BASIS
CONSTRUCTION CASH	7	7	7
EQUITY AFUDC	0		
DEBT AFUDC	0	0	
CPI			0
TOTAL	7	7	7

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

(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
2014	1	1	3.60	5.84	3.71	0.00	1.00	1.00
2015	1	1	4.45	6.84	4.64	0.00	1.00	1.00
2016	1	1	4.92	11.05	5.15	0.00	1.00	1.00
2017	1	1	4.27	7.59	4.40	0.00	1.00	1.00
2018	1	1	5.27	10.84	5.44	0.00	1.00	1.00
2019	1	1	5.38	11.26	5.55	5.05	1.00	1.00
2020	1	1	5.65	12.44	5.83	5.04	1.00	1.00
2021	1	1	5.65	11.77	5.83	5.11	1.00	1.00
2022	1	1	5.60	10.60	5.76	5.07	1.00	1.00
2023	1	1	5.60	9.52	5.75	5.17	1.00	1.00
2024	1	1	5.81	9.46	5.96	5.46	1.00	1.00
2025	1	1	5.98	9.96	6.14	5.61	1.00	1.00
2026	1	1	5.73	8.77	5.87	5.73	1.00	1.00
2027	1	1	6.01	9.88	6.17	6.01	1.00	1.00
2028	1	1	6.07	8.87	6.22	6.10	1.00	1.00
2029	1	1	6.28	9.15	6.45	6.40	1.00	1.00
2030	1	1	6.34	8.92	6.49	6.40	1.00	1.00
2031	1	1	6.57	9.29	6.70	6.72	1.00	1.00
2032	1	1	6.62	8.36	6.72	6.79	1.00	1.00
2033	1	1	6.97	9.60	7.07	7.12	1.00	1.00
2034	1	1	7.05	8.86	7.14	7.32	1.00	1.00
2035	1	1	7.19	8.76	7.28	7.51	1.00	1.00
2036	1	1	7.47	9.31	7.55	7.70	1.00	1.00
2037	1	1	7.68	9.71	7.78	8.03	1.00	1.00
2038	1	1	7.94	9.88	8.03	8.32	1.00	1.00
2039	1	1	8.12	9.88	8.21	8.48	1.00	1.00
2040	1	1	8.35	10.20	8.44	8.85	1.00	1.00
2041	1	1	8.67	10.61	8.76	9.11	1.00	1.00
2042	1	1	8.99	11.24	9.08	9.45	1.00	1.00
2043	1	1	9.27	11.44	9.37	9.80	1.00	1.00
2044	1	1	9.60	11.96	9.70	10.24	1.00	1.00
2045	1	1	9.94	12.17	10.04	10.56	1.00	1.00
2046	1	1	10.25	12.22	10.34	10.91	1.00	1.00
2047	1	1	10.57	12.74	10.67	11.25	1.00	1.00
2048	1	1	11.00	13.60	11.11	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	1	1	0	1	2	1
2020	1	1	0	3	3	1
2021	1	1	0	3	3	1
2022	1	1	0	3	3	1
2023	1	1	0	3	3	1
2024	1	1	0	3	3	1
2025	1	1	0	3	4	1
2026	1	1	0	3	3	1
2027	1	1	0	3	4	1
2028	1	1	0	3	4	1
2029	1	1	0	3	4	1
2030	1	1	0	3	4	1
2031	1	1	0	4	4	1
2032	1	1	0	4	4	1
2033	1	1	0	4	4	1
2034	1	1	0	4	4	1
2035	1	1	0	4	4	1
2036	1	1	0	4	5	1
2037	1	1	0	5	5	1
2038	1	1	0	5	5	1
2039	0	1	0	5	5	1
2040	0	1	0	5	5	1
2041	0	1	0	5	5	1
2042	0	1	0	6	6	1
2043	0	1	0	6	6	1
2044	0	1	0	6	6	1
2045	0	1	0	6	6	1
2046	0	1	0	6	7	1
2047	0	1	0	7	7	1
2048	0	1	0	7	7	1
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	21	22	2	126	136	36
NPV	8	6	0	30	34	10

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	9	0	9	0	0	1	0	1	(8)	(8)
2015	0	0	0	0	0	0	0	2	0	3	3	(5)
2016	0	0	0	0	0	0	0	4	0	4	4	(2)
2017	0	0	0	0	0	0	0	3	0	3	3	0
2018	0	0	0	0	0	0	0	4	0	4	4	3
2019	0	0	0	0	0	1	0	4	0	5	5	7
2020	0	0	0	0	0	1	0	4	0	6	6	10
2021	0	0	0	0	0	1	0	4	0	5	5	14
2022	0	0	0	0	0	1	0	4	0	5	5	16
2023	0	0	0	0	0	1	0	3	0	5	5	19
2024	0	0	11	0	11	1	0	3	0	5	(7)	16
2025	0	0	0	0	0	1	0	3	0	5	5	18
2026	0	0	0	0	0	1	0	3	0	5	5	20
2027	0	0	0	0	0	1	0	3	0	5	5	22
2028	0	0	0	0	0	1	0	3	0	5	5	23
2029	0	0	0	0	0	1	0	3	0	5	5	25
2030	0	0	0	0	0	1	0	3	0	5	5	27
2031	0	0	0	0	0	1	0	3	0	5	5	28
2032	0	0	0	0	0	1	0	3	0	5	5	29
2033	0	0	0	0	0	1	0	3	0	5	5	30
2034	0	0	15	0	15	1	0	3	0	5	(10)	28
2035	0	0	0	0	0	1	0	3	0	5	5	29
2036	0	0	0	0	0	1	0	3	0	5	5	30
2037	0	0	0	0	0	1	0	3	1	5	5	31
2038	0	0	0	0	0	1	0	3	1	5	5	32
2039	0	0	0	0	0	1	0	3	1	5	5	33
2040	0	0	0	0	0	1	0	3	1	5	5	34
2041	0	0	0	0	0	1	0	4	1	6	6	35
2042	0	0	0	0	0	1	0	4	1	6	6	35
2043	0	0	0	0	0	1	0	4	1	6	6	36
2044	0	0	19	0	19	1	0	4	1	6	(12)	35
2045	0	0	0	0	0	1	0	4	1	6	6	35
2046	0	0	0	0	0	1	0	4	1	7	7	36
2047	0	0	0	0	0	1	0	4	1	7	7	37
2048	0	0	0	0	0	1	0	5	1	7	7	37
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	0	53	0	53	36	6	118	14	174	121	
NPV	0	0	20	0	20	10	3	42	3	57	37	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.87

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	1	0	1	0	2	9	0	0	9	(6)	(6)
2015	2	0	0	0	2	0	0	0	0	2	(4)
2016	2	0	0	0	2	0	0	0	0	2	(2)
2017	3	0	0	0	3	0	0	0	0	3	(0)
2018	3	0	0	0	3	0	0	0	0	3	2
2019	3	0	0	0	3	0	0	0	0	3	4
2020	3	0	0	0	3	0	0	0	0	3	6
2021	3	0	0	0	3	0	0	0	0	3	8
2022	3	0	0	0	3	0	0	0	0	3	10
2023	3	0	0	0	3	0	0	0	0	3	11
2024	3	0	1	0	4	11	0	0	11	(7)	8
2025	3	0	0	0	3	0	0	0	0	3	9
2026	3	0	0	0	3	0	0	0	0	3	11
2027	3	0	0	0	3	0	0	0	0	3	12
2028	3	0	0	0	3	0	0	0	0	3	13
2029	4	0	0	0	4	0	0	0	0	4	15
2030	4	0	0	0	4	0	0	0	0	4	16
2031	4	0	0	0	4	0	0	0	0	4	17
2032	4	0	0	0	4	0	0	0	0	4	18
2033	4	0	0	0	4	0	0	0	0	4	19
2034	4	0	1	0	6	15	0	0	15	(9)	17
2035	4	0	0	0	4	0	0	0	0	4	18
2036	5	0	0	0	5	0	0	0	0	5	19
2037	5	0	0	0	5	0	0	0	0	5	20
2038	5	0	0	0	5	0	0	0	0	5	20
2039	5	0	0	0	5	0	0	0	0	5	21
2040	5	0	0	0	5	0	0	0	0	5	22
2041	6	0	0	0	6	0	0	0	0	6	23
2042	6	0	0	0	6	0	0	0	0	6	24
2043	6	0	0	0	6	0	0	0	0	6	24
2044	6	0	1	0	8	19	0	0	19	(11)	23
2045	7	0	0	0	7	0	0	0	0	7	24
2046	7	0	0	0	7	0	0	0	0	7	25
2047	7	0	0	0	7	0	0	0	0	7	25
2048	7	0	0	0	7	0	0	0	0	7	26
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	148	0	5	0	153	53	0	0	53	100	
NPV	43	0	2	0	46	20	0	0	20	26	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) 2.30

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: XXXXXXXXXXXXXXXXXX

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)
2014	0	3	0	4	3	1	37	0	0	37
2015	0	0	0	0	5	3	0	0	0	0
2016	0	0	0	0	5	3	0	0	0	0
2017	0	0	0	0	5	3	0	0	0	0
2018	0	0	0	0	6	3	0	0	0	0
2019	0	0	0	0	6	3	0	0	0	0
2020	0	0	0	0	7	3	0	0	0	0
2021	0	0	0	0	7	4	0	0	0	0
2022	0	0	0	0	7	4	0	0	0	0
2023	0	0	0	0	7	4	0	0	0	0
2024	0	3	0	4	7	4	48	0	0	48
2025	0	0	0	0	8	4	0	0	0	0
2026	0	0	0	0	8	4	0	0	0	0
2027	0	0	0	0	8	4	0	0	0	0
2028	0	0	0	0	8	4	0	0	0	0
2029	0	0	0	0	9	4	0	0	0	0
2030	0	0	0	0	9	4	0	0	0	0
2031	0	0	0	0	9	4	0	0	0	0
2032	0	0	0	0	10	4	0	0	0	0
2033	0	0	0	0	10	4	0	0	0	0
2034	0	3	0	4	11	4	61	0	0	61
2035	0	0	0	0	11	4	0	0	0	0
2036	0	0	0	0	12	4	0	0	0	0
2037	0	0	0	0	13	4	0	0	0	0
2038	0	0	0	0	13	4	0	0	0	0
2039	0	0	0	0	14	4	0	0	0	0
2040	0	0	0	0	14	4	0	0	0	0
2041	0	0	0	0	15	4	0	0	0	0
2042	0	0	0	0	16	4	0	0	0	0
2043	0	0	0	0	17	4	0	0	0	0
2044	0	3	0	4	18	4	78	0	0	78
2045	0	0	0	0	19	4	0	0	0	0
2046	0	0	0	0	20	4	0	0	0	0
2047	0	0	0	0	21	4	0	0	0	0
2048	0	0	0	0	22	4	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	14	0	15	379	128	223	0	0	223
NPV	0	6	0	7	103	44	83	0	0	83

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 **NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: [REDACTED]

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	21	0	0	1	1	0	0	1	0	4	4	4	20
2020	20	0	0	1	0	0	0	1	0	4	3	7	21
2021	19	0	0	1	1	0	0	1	0	3	3	10	21
2022	18	0	0	1	1	0	0	1	0	3	3	12	22
2023	17	0	0	1	1	0	0	1	0	3	2	15	23
2024	16	0	0	1	1	0	0	1	0	3	2	17	23
2025	15	0	0	1	0	0	0	1	0	3	2	19	24
2026	15	0	0	1	0	0	0	1	0	3	2	20	24
2027	14	0	0	1	0	0	0	1	0	3	1	22	25
2028	13	0	0	1	0	0	0	1	0	3	1	23	25
2029	12	0	0	1	0	0	0	1	0	2	1	24	26
2030	11	0	0	1	0	0	0	1	0	2	1	25	27
2031	11	0	0	1	0	0	0	1	0	2	1	26	27
2032	10	0	0	1	0	0	0	1	0	2	1	27	28
2033	9	0	0	1	0	0	0	1	0	2	1	28	29
2034	8	0	0	1	0	0	0	1	0	2	1	29	30
2035	8	0	0	0	0	0	0	1	0	2	1	29	30
2036	7	0	0	0	0	0	0	1	0	2	0	30	31
2037	6	0	0	0	0	0	0	1	0	2	0	30	32
2038	5	0	0	0	0	0	0	1	0	1	0	30	33
2039	4	0	0	0	0	0	0	1	(0)	1	0	31	33
2040	4	0	0	0	0	0	0	1	(0)	1	0	31	34
2041	3	0	0	0	0	0	0	1	(0)	1	0	31	35
2042	3	0	0	0	0	0	0	1	(0)	1	0	32	36
2043	3	0	0	0	0	0	0	1	(0)	1	0	32	37
2044	2	0	0	0	0	0	0	1	(0)	1	0	32	38
2045	2	0	0	0	0	0	0	1	(0)	1	0	32	39
2046	1	0	0	0	0	0	0	1	(0)	1	0	32	40
2047	1	0	0	0	0	0	0	1	(0)	1	0	32	41
2048	0	0	0	0	0	(0)	0	1	(0)	1	0	32	42

IN SERVICE COST	(\$000)	20
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

(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)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	1	2	1	1	1	1	0	1	0	0	0	0	0
2021	6.68%	1	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	6	1	3	1	3	0	1	0	0	0	0	1
2024	5.29%	1	7	1	4	1	4	0	1	0	0	0	0	1
2025	4.89%	1	8	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	9	1	5	1	5	0	1	0	0	0	0	1
2027	4.46%	1	10	1	6	1	6	0	1	0	0	0	0	1
2028	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2029	4.46%	1	12	1	7	1	7	0	1	0	0	0	0	1
2030	4.46%	1	12	1	8	1	8	0	1	0	0	0	0	2
2031	4.46%	1	13	1	9	1	9	0	1	0	0	0	0	2
2032	4.46%	1	14	1	10	1	10	0	1	0	0	0	0	2
2033	4.46%	1	15	1	10	1	10	0	1	0	0	0	0	2
2034	4.46%	1	16	1	11	1	11	0	1	0	0	0	0	2
2035	4.46%	1	17	1	12	1	12	0	1	0	0	0	0	2
2036	4.46%	1	18	1	12	1	12	0	1	0	0	0	0	2
2037	4.46%	1	19	1	13	1	13	0	1	0	0	0	0	2
2038	4.46%	1	20	1	14	1	14	0	1	0	0	0	0	2
2039	2.23%	0	20	1	14	1	14	(0)	1	0	0	(0)	0	2
2040	0.00%	0	20	1	15	1	14	(0)	1	0	0	(0)	0	2
2041	0.00%	0	20	1	16	1	15	(0)	1	0	0	(0)	0	2
2042	0.00%	0	20	1	16	1	15	(0)	1	0	0	(0)	0	1
2043	0.00%	0	20	1	17	1	16	(0)	1	0	0	(0)	0	1
2044	0.00%	0	20	1	18	1	17	(0)	1	0	0	(0)	0	1
2045	0.00%	0	20	1	18	1	17	(0)	1	0	0	(0)	0	1
2046	0.00%	0	20	1	19	1	18	(0)	1	0	0	(0)	0	0
2047	0.00%	0	20	1	20	1	19	(0)	1	0	0	(0)	0	0
2048	0.00%	0	20	1	20	1	19	(0)	1	0	0	(0)	0	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████████████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	20	1	(0)	21	20	20
2020	7.22%	1	0	19	1	0	20	19	19
2021	6.68%	1	0	18	2	0	19	18	19
2022	6.18%	1	0	18	3	1	18	17	18
2023	5.71%	1	0	17	3	1	17	16	17
2024	5.29%	1	0	16	4	1	16	15	16
2025	4.89%	1	0	16	5	1	15	15	15
2026	4.52%	1	0	15	5	1	15	14	14
2027	4.46%	1	0	14	6	1	14	13	13
2028	4.46%	1	0	14	7	1	13	12	13
2029	4.46%	1	0	13	7	1	12	11	12
2030	4.46%	1	0	12	8	2	11	11	11
2031	4.46%	1	0	12	9	2	11	10	10
2032	4.46%	1	0	11	10	2	10	9	10
2033	4.46%	1	0	10	10	2	9	8	9
2034	4.46%	1	0	10	11	2	8	8	8
2035	4.46%	1	0	9	12	2	8	7	7
2036	4.46%	1	0	8	12	2	7	6	6
2037	4.46%	1	0	7	13	2	6	5	6
2038	4.46%	1	0	7	14	2	5	4	5
2039	2.23%	0	(0)	6	14	2	4	4	4
2040	0.00%	0	(0)	5	15	2	4	3	4
2041	0.00%	0	(0)	5	16	2	3	3	3
2042	0.00%	0	(0)	4	16	1	3	3	3
2043	0.00%	0	(0)	3	17	1	3	2	2
2044	0.00%	0	(0)	3	18	1	2	2	2
2045	0.00%	0	(0)	2	18	1	2	1	2
2046	0.00%	0	(0)	1	19	0	1	1	1
2047	0.00%	0	(0)	1	20	0	1	0	1
2048	0.00%	0	(0)	(0)	20	0	0	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	19	19	19
EQUITY AFUDC	1		
DEBT AFUDC	0	0	
CPI			1
TOTAL	20	19	20

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	6.76	3.65	0.00	1.00	1.00
2015	1	1	4.45	7.10	4.53	0.00	1.00	1.00
2016	1	1	4.92	11.88	5.02	0.00	1.00	1.00
2017	1	1	4.27	9.26	4.33	0.00	1.00	1.00
2018	1	1	5.27	13.39	5.35	0.00	1.00	1.00
2019	1	1	5.38	14.85	5.46	5.05	1.00	1.00
2020	1	1	5.65	14.17	5.73	5.04	1.00	1.00
2021	1	1	5.65	13.92	5.73	5.11	1.00	1.00
2022	1	1	5.60	13.97	5.67	5.07	1.00	1.00
2023	1	1	5.60	12.60	5.67	5.17	1.00	1.00
2024	1	1	5.81	12.22	5.88	5.46	1.00	1.00
2025	1	1	5.98	13.12	6.05	5.61	1.00	1.00
2026	1	1	5.73	10.77	5.79	5.73	1.00	1.00
2027	1	1	6.01	13.04	6.09	6.01	1.00	1.00
2028	1	1	6.07	11.21	6.15	6.10	1.00	1.00
2029	1	1	6.28	10.94	6.36	6.40	1.00	1.00
2030	1	1	6.34	10.60	6.41	6.40	1.00	1.00
2031	1	1	6.57	11.39	6.63	6.72	1.00	1.00
2032	1	1	6.62	9.45	6.67	6.79	1.00	1.00
2033	1	1	6.97	11.59	7.01	7.12	1.00	1.00
2034	1	1	7.05	9.87	7.09	7.32	1.00	1.00
2035	1	1	7.19	9.46	7.23	7.51	1.00	1.00
2036	1	1	7.47	10.30	7.51	7.70	1.00	1.00
2037	1	1	7.68	10.79	7.72	8.03	1.00	1.00
2038	1	1	7.94	10.77	7.98	8.32	1.00	1.00
2039	1	1	8.12	10.50	8.16	8.48	1.00	1.00
2040	1	1	8.35	10.78	8.38	8.85	1.00	1.00
2041	1	1	8.67	11.26	8.70	9.11	1.00	1.00
2042	1	1	8.99	12.15	9.03	9.45	1.00	1.00
2043	1	1	9.27	12.18	9.31	9.80	1.00	1.00
2044	1	1	9.60	12.81	9.64	10.24	1.00	1.00
2045	1	1	9.94	12.82	9.99	10.56	1.00	1.00
2046	1	1	10.25	12.54	10.29	10.91	1.00	1.00
2047	1	1	10.57	13.13	10.61	11.25	1.00	1.00
2048	1	1	11.00	14.36	11.05	11.71	1.00	1.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
0	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	1	0	4	5	4
2020	4	1	0	7	9	3
2021	3	2	0	8	9	3
2022	3	2	0	8	9	3
2023	3	2	0	8	10	4
2024	3	2	0	9	10	3
2025	3	2	0	9	10	3
2026	3	2	0	9	10	4
2027	3	2	0	9	10	3
2028	3	2	0	10	10	4
2029	2	2	0	10	11	3
2030	2	2	0	10	11	4
2031	2	2	0	11	12	3
2032	2	2	0	11	12	4
2033	2	2	0	11	12	3
2034	2	2	0	12	13	3
2035	2	2	0	12	13	3
2036	2	2	0	13	13	3
2037	2	2	0	13	14	3
2038	1	2	0	14	14	3
2039	1	2	0	14	15	4
2040	1	2	0	15	15	3
2041	1	3	0	15	16	3
2042	1	3	0	16	16	4
2043	1	3	0	16	17	3
2044	1	3	0	17	18	3
2045	1	3	0	18	18	3
2046	1	3	0	19	19	4
2047	1	3	0	19	20	4
2048	1	3	0	20	20	4
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	61	64	6	366	393	104
NPV	23	17	1	88	98	30

PARTICIPANT COSTS AND BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	4	0	3	0	8	37	0	0	37	(29)	(29)
2015	8	0	0	0	8	0	0	0	0	8	(22)
2016	8	0	0	0	8	0	0	0	0	8	(15)
2017	8	0	0	0	8	0	0	0	0	8	(8)
2018	9	0	0	0	9	0	0	0	0	9	(1)
2019	10	0	0	0	10	0	0	0	0	10	5
2020	10	0	0	0	10	0	0	0	0	10	12
2021	10	0	0	0	10	0	0	0	0	10	18
2022	11	0	0	0	11	0	0	0	0	11	24
2023	11	0	0	0	11	0	0	0	0	11	29
2024	11	0	3	0	14	48	0	0	48	(33)	13
2025	11	0	0	0	11	0	0	0	0	11	18
2026	11	0	0	0	11	0	0	0	0	11	23
2027	12	0	0	0	12	0	0	0	0	12	28
2028	12	0	0	0	12	0	0	0	0	12	32
2029	12	0	0	0	12	0	0	0	0	12	36
2030	12	0	0	0	12	0	0	0	0	12	40
2031	13	0	0	0	13	0	0	0	0	13	44
2032	13	0	0	0	13	0	0	0	0	13	47
2033	14	0	0	0	14	0	0	0	0	14	51
2034	15	0	3	0	18	61	0	0	61	(43)	41
2035	15	0	0	0	15	0	0	0	0	15	44
2036	16	0	0	0	16	0	0	0	0	16	47
2037	17	0	0	0	17	0	0	0	0	17	51
2038	17	0	0	0	17	0	0	0	0	17	54
2039	18	0	0	0	18	0	0	0	0	18	57
2040	18	0	0	0	18	0	0	0	0	18	59
2041	19	0	0	0	19	0	0	0	0	19	62
2042	20	0	0	0	20	0	0	0	0	20	65
2043	21	0	0	0	21	0	0	0	0	21	67
2044	22	0	3	0	25	78	0	0	78	(53)	61
2045	23	0	0	0	23	0	0	0	0	23	64
2046	24	0	0	0	24	0	0	0	0	24	66
2047	25	0	0	0	25	0	0	0	0	25	68
2048	26	0	0	0	26	0	0	0	0	26	70
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	507	0	14	0	521	223	0	0	223	297	
NPV	147	0	6	0	154	83	0	0	83	70	

In Service of Gen Unit: 2019
 Discount Rate : 7.54 %
 Benefit/Cost Ratio (Col(6) / Col(10)) 1.85

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	36.55 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	48.05972 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	183,511.68 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	45	1	0	3	2	1	0	1	0	8	8	8	44
2020	43	1	0	3	1	1	0	1	1	8	7	15	45
2021	41	1	0	3	1	1	0	1	1	7	6	21	47
2022	39	1	0	2	1	1	0	1	1	7	6	27	48
2023	37	1	0	2	1	1	0	1	0	7	5	32	49
2024	35	1	0	2	1	1	0	1	0	7	5	37	50
2025	33	1	0	2	1	1	0	1	0	6	4	41	51
2026	32	1	0	2	1	1	0	1	0	6	4	44	53
2027	30	1	0	2	1	1	0	1	0	6	3	47	54
2028	28	1	0	2	1	1	0	1	0	6	3	50	55
2029	27	1	0	2	1	1	0	1	0	5	3	53	57
2030	25	1	0	2	1	0	0	1	0	5	2	55	58
2031	23	0	0	1	1	0	0	1	0	5	2	57	60
2032	22	0	0	1	1	0	0	1	0	5	2	59	61
2033	20	0	0	1	1	0	0	1	0	4	2	61	63
2034	18	0	0	1	1	0	0	1	0	4	1	62	64
2035	17	0	0	1	0	0	0	1	0	4	1	63	66
2036	15	0	0	1	0	0	0	1	0	4	1	64	68
2037	13	0	0	1	0	0	0	1	0	3	1	65	69
2038	11	0	0	1	0	0	0	1	0	3	1	66	71
2039	10	0	0	1	1	0	0	1	(0)	3	1	67	73
2040	8	0	0	1	1	0	0	1	(1)	3	1	67	75
2041	8	0	0	0	1	0	0	1	(1)	3	1	68	76
2042	7	0	0	0	1	0	0	1	(1)	3	0	68	78
2043	6	0	0	0	1	0	0	1	(1)	2	0	69	80
2044	5	0	0	0	1	0	0	1	(1)	2	0	69	82
2045	4	0	0	0	1	0	0	1	(1)	2	0	70	84
2046	3	0	0	0	1	0	0	1	(1)	2	0	70	86
2047	2	0	0	0	1	0	0	1	(1)	2	0	70	89
2048	1	0	0	0	1	0	0	1	(1)	2	0	70	91

IN SERVICE COST	(\$000)	44
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	2	2	1	1	1	1	0	2	0	0	0	0	(1)
2020	7.22%	3	5	1	3	1	3	1	2	0	0	0	1	0
2021	6.68%	3	8	1	4	1	4	1	2	0	0	0	1	1
2022	6.18%	3	10	1	6	1	6	1	2	0	0	0	1	1
2023	5.71%	2	13	1	7	1	7	0	2	0	0	0	0	2
2024	5.29%	2	15	1	9	1	8	0	2	0	0	0	0	2
2025	4.89%	2	17	1	10	1	10	0	2	0	0	0	0	2
2026	4.52%	2	19	1	12	1	11	0	2	0	0	0	0	3
2027	4.46%	2	21	1	13	1	13	0	2	0	0	0	0	3
2028	4.46%	2	23	1	15	1	14	0	2	0	0	0	0	3
2029	4.46%	2	25	1	16	1	15	0	2	0	0	0	0	3
2030	4.46%	2	27	1	18	1	17	0	2	0	0	0	0	3
2031	4.46%	2	29	1	19	1	18	0	2	0	0	0	0	4
2032	4.46%	2	31	1	21	1	20	0	2	0	0	0	0	4
2033	4.46%	2	33	1	22	1	21	0	2	0	0	0	0	4
2034	4.46%	2	35	1	24	1	22	0	2	0	0	0	0	4
2035	4.46%	2	37	1	25	1	24	0	2	0	0	0	0	4
2036	4.46%	2	39	1	27	1	25	0	2	0	0	0	0	5
2037	4.46%	2	41	1	28	1	27	0	2	0	0	0	0	5
2038	4.46%	2	43	1	30	1	28	0	2	0	0	0	0	5
2039	2.23%	1	44	1	31	1	29	(0)	2	0	0	0	(0)	5
2040	0.00%	0	44	1	33	1	31	(1)	2	0	0	0	(1)	4
2041	0.00%	0	44	1	34	1	32	(1)	2	0	0	0	(1)	4
2042	0.00%	0	44	1	35	1	34	(1)	2	0	0	0	(1)	3
2043	0.00%	0	44	1	37	1	35	(1)	2	0	0	0	(1)	3
2044	0.00%	0	44	1	38	1	36	(1)	2	0	0	0	(1)	2
2045	0.00%	0	44	1	40	1	38	(1)	2	0	0	0	(1)	2
2046	0.00%	0	44	1	41	1	39	(1)	2	0	0	0	(1)	1
2047	0.00%	0	44	1	43	1	41	(1)	2	0	0	0	(1)	1
2048	0.00%	0	44	1	44	1	42	(1)	2	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	2	0	43	1	(1)	45	43	44
2020	7.22%	3	1	41	3	0	43	41	42
2021	6.68%	3	1	40	4	1	41	39	40
2022	6.18%	3	1	38	6	1	39	37	38
2023	5.71%	2	0	37	7	2	37	35	36
2024	5.29%	2	0	35	9	2	35	33	34
2025	4.89%	2	0	34	10	2	33	32	33
2026	4.52%	2	0	33	12	3	32	30	31
2027	4.46%	2	0	31	13	3	30	28	29
2028	4.46%	2	0	30	15	3	28	27	27
2029	4.46%	2	0	28	16	3	27	25	26
2030	4.46%	2	0	27	18	3	25	23	24
2031	4.46%	2	0	25	19	4	23	22	22
2032	4.46%	2	0	24	21	4	22	20	21
2033	4.46%	2	0	22	22	4	20	18	19
2034	4.46%	2	0	21	24	4	18	17	17
2035	4.46%	2	0	19	25	4	17	15	16
2036	4.46%	2	0	18	27	5	15	13	14
2037	4.46%	2	0	16	28	5	13	11	12
2038	4.46%	2	0	15	30	5	11	10	11
2039	2.23%	1	(0)	13	31	5	10	8	9
2040	0.00%	0	(1)	12	33	4	8	8	8
2041	0.00%	0	(1)	10	34	4	8	7	7
2042	0.00%	0	(1)	9	35	3	7	6	6
2043	0.00%	0	(1)	7	37	3	6	5	5
2044	0.00%	0	(1)	6	38	2	5	4	4
2045	0.00%	0	(1)	4	40	2	4	3	3
2046	0.00%	0	(1)	3	41	1	3	2	2
2047	0.00%	0	(1)	1	43	1	2	1	1
2048	0.00%	0	(1)	0	44	0	1	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	41	41	41
EQUITY AFUDC	2		
DEBT AFUDC	1	1	
CPI			3
TOTAL	44	42	44

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	8	3	0	9	12	8
2020	8	3	0	16	20	7
2021	7	3	0	16	21	7
2022	7	3	0	17	20	7
2023	7	4	0	18	21	8
2024	7	4	0	19	22	7
2025	6	4	0	19	22	7
2026	6	4	0	19	22	8
2027	6	4	0	20	22	7
2028	6	4	0	21	23	8
2029	5	4	0	22	24	7
2030	5	4	0	22	24	8
2031	5	4	0	23	25	7
2032	5	4	0	24	26	8
2033	4	4	0	25	27	7
2034	4	5	0	26	28	7
2035	4	5	0	27	28	7
2036	4	5	0	28	29	8
2037	3	5	0	29	30	7
2038	3	5	0	30	31	7
2039	3	5	0	31	32	8
2040	3	5	0	32	33	7
2041	3	5	0	33	34	7
2042	3	6	0	35	36	8
2043	2	6	0	36	37	8
2044	2	6	1	37	39	7
2045	2	6	1	39	40	8
2046	2	6	1	40	41	8
2047	2	6	1	42	43	8
2048	2	6	1	43	44	8
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	133	139	12	798	857	225
NPV	49	36	3	192	214	66

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	54	0	54	0	0	8	0	8	(46)	(43)
2016	0	0	0	0	0	0	2	25	0	27	27	(20)
2017	0	0	0	0	0	0	2	21	0	23	23	(2)
2018	0	0	0	0	0	0	2	28	0	29	29	20
2019	0	0	0	0	0	8	2	39	0	49	49	55
2020	0	0	0	0	0	7	2	36	0	45	45	84
2021	0	0	0	0	0	7	1	34	0	42	42	109
2022	0	0	0	0	0	7	1	31	0	41	41	132
2023	0	0	0	0	0	8	1	32	1	41	41	153
2024	0	0	0	0	0	7	1	28	1	37	37	171
2025	0	0	69	0	69	7	1	35	1	45	(25)	160
2026	0	0	0	0	0	8	1	33	1	43	43	178
2027	0	0	0	0	0	7	1	31	1	40	40	194
2028	0	0	0	0	0	8	1	35	1	45	45	210
2029	0	0	0	0	0	7	1	27	1	37	37	223
2030	0	0	0	0	0	8	1	32	1	42	42	236
2031	0	0	0	0	0	7	1	33	2	43	43	249
2032	0	0	0	0	0	8	1	24	2	34	34	258
2033	0	0	0	0	0	7	1	34	2	44	44	269
2034	0	0	0	0	0	7	1	25	2	35	35	277
2035	0	0	88	0	89	7	1	22	2	33	(56)	265
2036	0	0	0	0	0	8	1	26	2	37	37	273
2037	0	0	0	0	0	7	1	27	3	38	38	280
2038	0	0	0	0	0	7	1	25	3	36	36	286
2039	0	0	0	0	0	8	1	24	3	35	35	292
2040	0	0	0	0	0	7	1	24	3	35	35	297
2041	0	0	0	0	0	7	1	25	4	37	37	303
2042	0	0	0	0	0	8	1	29	4	41	41	308
2043	0	0	0	0	0	8	1	27	4	40	40	313
2044	0	0	0	0	0	7	1	29	4	42	42	318
2045	0	1	113	0	114	8	1	28	5	41	(73)	310
2046	0	0	0	0	0	8	1	25	5	39	39	314
2047	0	0	0	0	0	8	1	26	5	40	40	317
2048	0	0	0	0	0	8	1	32	6	46	46	321
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	325	0	326	225	40	958	69	1,291	965	
NPV	0	1	113	0	113	66	15	341	12	434	321	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.84

PARTICIPANT COSTS AND BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	8	0	8	0	15	54	0	0	54	(39)	(36)
2016	16	0	0	0	16	0	0	0	0	16	(22)
2017	16	0	0	0	16	0	0	0	0	16	(9)
2018	18	0	0	0	18	0	0	0	0	18	4
2019	19	0	0	0	19	0	0	0	0	19	17
2020	19	0	0	0	19	0	0	0	0	19	29
2021	20	0	0	0	20	0	0	0	0	20	41
2022	20	0	0	0	20	0	0	0	0	20	53
2023	21	0	0	0	21	0	0	0	0	21	64
2024	21	0	0	0	21	0	0	0	0	21	74
2025	21	0	8	0	29	69	0	0	69	(40)	56
2026	22	0	0	0	22	0	0	0	0	22	65
2027	22	0	0	0	22	0	0	0	0	22	74
2028	23	0	0	0	23	0	0	0	0	23	82
2029	23	0	0	0	23	0	0	0	0	23	90
2030	24	0	0	0	24	0	0	0	0	24	97
2031	24	0	0	0	24	0	0	0	0	24	104
2032	25	0	0	0	25	0	0	0	0	25	111
2033	27	0	0	0	27	0	0	0	0	27	118
2034	28	0	0	0	28	0	0	0	0	28	124
2035	29	0	8	0	36	88	0	0	88	(52)	113
2036	31	0	0	0	31	0	0	0	0	31	119
2037	32	0	0	0	32	0	0	0	0	32	125
2038	33	0	0	0	33	0	0	0	0	33	131
2039	34	0	0	0	34	0	0	0	0	34	137
2040	35	0	0	0	35	0	0	0	0	35	142
2041	36	0	0	0	36	0	0	0	0	36	147
2042	38	0	0	0	38	0	0	0	0	38	152
2043	40	0	0	0	40	0	0	0	0	40	157
2044	41	0	0	0	41	0	0	0	0	41	161
2045	43	0	8	0	50	113	0	0	113	(63)	155
2046	45	0	0	0	45	0	0	0	0	45	159
2047	47	0	0	0	47	0	0	0	0	47	164
2048	49	0	0	0	49	0	0	0	0	49	168
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	948	0	30	0	978	325	0	0	325	653	
NPV	268	0	13	0	280	113	0	0	113	168	

In Service of Gen Unit: 2019
 Discount Rate : 7.51 %
 Benefit/Cost Ratio (Col(6) / Col(10)) **2.49**

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1) YEAR	(2) INCREASED SUPPLY COSTS \$(000)	(3) UTILITY PROGRAM COSTS \$(000)	(4) INCENTIVES \$(000)	(5) REVENUE LOSSES \$(000)	(6) 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)
2014	0	0	0	0	0	0	0	0	0	0	0	0	
2015	0	0	8	7	0	15	8	0	0	8	(7)	(6)	
2016	0	0	0	14	0	14	25	2	0	27	13	5	
2017	0	0	0	14	0	14	21	2	0	23	8	12	
2018	0	0	0	15	0	15	28	2	0	29	14	22	
2019	0	0	0	17	0	17	48	2	0	49	33	45	
2020	0	0	0	17	0	17	43	2	0	45	28	63	
2021	0	0	0	17	0	17	41	1	0	42	25	78	
2022	0	0	0	18	0	18	39	1	0	41	23	90	
2023	0	0	0	18	0	18	39	1	0	41	23	102	
2024	0	0	0	19	0	19	35	1	0	37	19	112	
2025	0	0	8	19	0	27	42	1	0	45	18	120	
2026	0	0	0	19	0	19	40	1	0	43	24	130	
2027	0	0	0	19	0	19	38	1	0	40	21	138	
2028	0	0	0	20	0	20	43	1	0	45	26	147	
2029	0	0	0	20	0	20	34	1	0	37	17	153	
2030	0	0	0	21	0	21	40	1	0	42	21	159	
2031	0	0	0	21	0	21	40	1	0	43	22	166	
2032	0	0	0	22	0	22	31	1	0	34	12	169	
2033	0	0	0	24	0	24	41	1	0	44	21	174	
2034	0	0	0	24	0	24	32	1	0	35	11	177	
2035	0	0	8	25	0	33	29	0	0	33	(0)	177	
2036	0	0	0	26	0	26	33	1	0	37	10	179	
2037	0	0	0	27	0	27	34	1	0	38	10	181	
2038	0	0	0	28	0	28	33	1	0	36	8	182	
2039	0	0	0	29	0	29	31	1	0	35	6	183	
2040	0	0	0	30	0	30	31	1	0	35	5	184	
2041	0	0	0	31	0	31	33	1	0	37	6	185	
2042	0	0	0	32	0	32	36	1	0	41	9	186	
2043	0	0	0	34	0	34	35	1	0	40	6	187	
2044	0	0	0	35	0	35	37	1	0	42	7	188	
2045	0	1	8	37	0	45	36	1	0	41	(4)	187	
2046	0	0	0	38	0	38	33	1	0	39	0	187	
2047	0	0	0	40	0	40	34	1	0	40	(0)	187	
2048	0	0	0	42	0	42	39	1	0	46	4	188	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	2	30	820	0	852	1,183	40	0	69	1,291	440	
NPV	0	1	13	233	0	247	407	15	0	12	434	188	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.76

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	70.71 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	92.98331 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	657,274.21 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST	0.00 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0	0	0	0	
2015	0	15	0	15	12	4	150	0	150	
2016	0	0	0	0	24	8	0	0	0	
2017	0	0	0	0	25	8	0	0	0	
2018	0	0	0	0	28	8	0	0	0	
2019	0	0	0	0	31	9	0	0	0	
2020	0	0	0	0	32	10	0	0	0	
2021	0	15	0	15	32	10	174	0	174	
2022	0	0	0	0	32	10	0	0	0	
2023	0	0	0	0	34	8	0	0	0	
2024	0	0	0	0	35	8	0	0	0	
2025	0	0	0	0	36	8	0	0	0	
2026	0	0	0	0	38	8	0	0	0	
2027	0	15	0	15	39	8	201	0	201	
2028	0	0	0	0	40	8	0	0	0	
2029	0	0	0	0	41	8	0	0	0	
2030	0	0	0	0	43	8	0	0	0	
2031	0	0	0	0	44	8	0	0	0	
2032	0	0	0	0	47	8	0	0	0	
2033	0	15	0	15	51	8	233	0	233	
2034	0	0	0	0	54	8	0	0	0	
2035	0	0	0	0	56	8	0	0	0	
2036	0	0	0	0	61	8	0	0	0	
2037	0	0	0	0	63	8	0	0	0	
2038	0	0	0	0	66	8	0	0	0	
2039	1	15	0	15	69	8	271	0	271	
2040	0	0	0	0	72	9	0	0	0	
2041	0	0	0	0	75	9	0	0	0	
2042	0	0	0	0	79	9	0	0	0	
2043	0	0	0	0	84	9	0	0	0	
2044	0	0	0	0	89	9	0	0	0	
2045	1	15	0	15	93	9	314	0	314	
2046	0	0	0	0	98	9	0	0	0	
2047	0	0	0	0	104	9	0	0	0	
2048	0	0	0	0	109	9	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
NOM	3	87	0	90	1,838	283	1,342	0	1,342	
NPV	1	36	0	37	478	99	459	0	459	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK

** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	87	2	0	5	3	2	0	3	0	15	15	15	86
2020	84	2	0	5	2	1	0	3	1	15	14	29	88
2021	80	2	0	5	2	1	0	3	1	14	12	41	90
2022	76	2	0	5	2	1	0	3	1	14	11	52	92
2023	72	1	0	5	2	1	0	3	1	13	10	62	95
2024	68	1	0	4	2	1	0	3	1	13	9	71	97
2025	65	1	0	4	2	1	0	3	1	12	8	79	100
2026	61	1	0	4	2	1	0	3	0	12	7	86	102
2027	58	1	0	4	2	1	0	3	0	11	6	92	105
2028	55	1	0	3	2	1	0	3	0	11	6	97	107
2029	52	1	0	3	2	1	0	3	0	10	5	102	110
2030	48	1	0	3	2	1	0	3	0	10	4	107	113
2031	45	1	0	3	1	1	0	3	0	9	4	111	115
2032	42	1	0	3	1	1	0	3	0	9	3	114	118
2033	38	1	0	2	1	1	0	3	0	9	3	117	121
2034	35	1	0	2	1	1	0	3	0	8	3	120	124
2035	32	1	0	2	1	1	0	3	0	8	2	122	127
2036	29	1	0	2	1	1	0	3	0	7	2	125	131
2037	25	1	0	2	1	1	0	3	0	7	2	126	134
2038	22	0	0	1	1	1	0	3	0	6	2	128	137
2039	19	0	0	1	1	0	0	3	(0)	6	1	129	141
2040	16	0	0	1	2	0	0	3	(1)	5	1	131	144
2041	15	0	0	1	2	0	0	3	(1)	5	1	132	148
2042	13	0	0	1	2	0	0	3	(1)	5	1	133	151
2043	11	0	0	1	2	0	0	3	(1)	5	1	133	155
2044	9	0	0	1	1	0	0	3	(1)	4	1	134	159
2045	7	0	0	0	1	0	0	3	(1)	4	1	135	163
2046	5	0	0	0	1	0	0	3	(1)	4	1	135	167
2047	4	0	0	0	1	0	0	3	(1)	4	0	136	171
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	136	176

IN SERVICE COST	(\$000)	86
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	6	3	5	1	4	0	0	0	1	0
2021	6.68%	6	15	3	9	3	8	1	4	0	0	0	1	1
2022	6.18%	5	20	3	11	3	11	1	4	0	0	0	1	2
2023	5.71%	5	25	3	14	3	14	1	4	0	0	0	1	3
2024	5.29%	4	29	3	17	3	16	1	4	0	0	0	1	4
2025	4.89%	4	34	3	20	3	19	1	4	0	0	0	1	4
2026	4.52%	4	37	3	23	3	22	0	4	0	0	0	0	5
2027	4.46%	4	41	3	26	3	24	0	4	0	0	0	0	5
2028	4.46%	4	45	3	29	3	27	0	4	0	0	0	0	6
2029	4.46%	4	49	3	31	3	30	0	4	0	0	0	0	6
2030	4.46%	4	52	3	34	3	33	0	4	0	0	0	0	6
2031	4.46%	4	56	3	37	3	35	0	4	0	0	0	0	7
2032	4.46%	4	60	3	40	3	38	0	4	0	0	0	0	7
2033	4.46%	4	64	3	43	3	41	0	4	0	0	0	0	8
2034	4.46%	4	68	3	46	3	43	0	4	0	0	0	0	8
2035	4.46%	4	71	3	49	3	46	0	4	0	0	0	0	9
2036	4.46%	4	75	3	51	3	49	0	4	0	0	0	0	9
2037	4.46%	4	79	3	54	3	52	0	4	0	0	0	0	9
2038	4.46%	4	83	3	57	3	54	0	4	0	0	0	0	10
2039	2.23%	2	85	3	60	3	57	(0)	4	0	0	0	(0)	9
2040	0.00%	0	85	3	63	3	60	(1)	4	0	0	0	(1)	8
2041	0.00%	0	85	3	66	3	62	(1)	4	0	0	0	(1)	7
2042	0.00%	0	85	3	69	3	65	(1)	4	0	0	0	(1)	6
2043	0.00%	0	85	3	72	3	68	(1)	4	0	0	0	(1)	5
2044	0.00%	0	85	3	74	3	71	(1)	4	0	0	0	(1)	4
2045	0.00%	0	85	3	77	3	73	(1)	4	0	0	0	(1)	3
2046	0.00%	0	85	3	80	3	76	(1)	4	0	0	0	(1)	2
2047	0.00%	0	85	3	83	3	79	(1)	4	0	0	0	(1)	1
2048	0.00%	0	85	3	86	3	81	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(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)
2019	3.75%	3	0	83	3	(1)	87	84	86
2020	7.22%	6	1	80	6	0	84	80	82
2021	6.68%	6	1	77	9	1	80	76	78
2022	6.18%	5	1	74	11	2	76	72	74
2023	5.71%	5	1	72	14	3	72	68	70
2024	5.29%	4	1	69	17	4	68	65	67
2025	4.89%	4	1	66	20	4	65	61	63
2026	4.52%	4	0	63	23	5	61	58	60
2027	4.46%	4	0	60	26	5	58	55	56
2028	4.46%	4	0	57	29	6	55	52	53
2029	4.46%	4	0	54	31	6	52	48	50
2030	4.46%	4	0	51	34	6	48	45	47
2031	4.46%	4	0	49	37	7	45	42	43
2032	4.46%	4	0	46	40	7	42	38	40
2033	4.46%	4	0	43	43	8	38	35	37
2034	4.46%	4	0	40	46	8	35	32	34
2035	4.46%	4	0	37	49	9	32	29	30
2036	4.46%	4	0	34	51	9	29	25	27
2037	4.46%	4	0	31	54	9	25	22	24
2038	4.46%	4	0	29	57	10	22	19	21
2039	2.23%	2	(0)	26	60	9	19	16	18
2040	0.00%	0	(1)	23	63	8	16	15	15
2041	0.00%	0	(1)	20	66	7	15	13	14
2042	0.00%	0	(1)	17	69	6	13	11	12
2043	0.00%	0	(1)	14	72	5	11	9	10
2044	0.00%	0	(1)	11	74	4	9	7	8
2045	0.00%	0	(1)	9	77	3	7	5	6
2046	0.00%	0	(1)	6	80	2	5	4	5
2047	0.00%	0	(1)	3	83	1	4	2	3
2048	0.00%	0	(1)	(0)	86	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	80	80	80
EQUITY AFUDC	4		
DEBT AFUDC	2	2	
CPI			5
TOTAL	86	81	85

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	15	6	0	18	23	16
2020	15	6	1	31	39	14
2021	14	6	1	32	40	13
2022	14	7	1	33	39	14
2023	13	7	1	34	40	15
2024	13	7	1	36	42	14
2025	12	7	1	37	43	14
2026	12	7	1	37	42	15
2027	11	7	1	38	43	14
2028	11	8	1	40	44	15
2029	10	8	1	42	46	14
2030	10	8	1	42	46	15
2031	9	8	1	44	49	14
2032	9	8	1	46	49	15
2033	9	9	1	48	52	14
2034	8	9	1	50	54	14
2035	8	9	1	52	55	14
2036	7	9	1	54	57	15
2037	7	10	1	56	59	14
2038	6	10	1	58	61	14
2039	6	10	1	60	62	15
2040	5	10	1	62	65	14
2041	5	11	1	64	67	14
2042	5	11	1	67	69	15
2043	5	11	1	70	72	15
2044	4	11	1	72	75	14
2045	4	12	1	75	77	15
2046	4	12	1	78	80	15
2047	4	12	1	80	82	15
2048	3	13	1	84	86	15
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	257	270	23	1,543	1,658	436
NPV	95	70	6	371	414	128

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	3	4	3	0	2
2023	5	6	5	0	4
2024	5	6	6	0	4
2025	5	7	6	0	4
2026	6	7	7	0	5
2027	6	8	7	0	6
2028	7	9	8	0	6
2029	7	10	9	0	7
2030	8	11	10	0	7
2031	9	12	11	0	8
2032	10	13	12	0	9
2033	11	14	13	0	10
2034	12	16	14	0	10
2035	13	17	15	0	11
2036	14	19	17	0	12
2037	15	20	18	0	13
2038	17	22	20	0	14
2039	18	23	21	0	15
2040	19	25	23	0	17
2041	21	27	25	0	18
2042	22	29	26	0	19
2043	24	32	28	0	21
2044	26	34	31	0	22
2045	28	36	33	0	24
2046	30	39	35	0	26
2047	32	41	37	0	27
2048	34	44	40	0	29
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	406	532	479	0	353
NPV	73	96	87	0	64

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	150	0	150	0	0	28	0	28	(122)	(113)
2016	0	0	0	0	0	0	0	90	0	90	90	(35)
2017	0	0	0	0	0	0	0	76	0	76	76	25
2018	0	0	0	0	0	0	0	99	0	99	99	100
2019	0	0	0	0	0	16	0	141	0	157	157	209
2020	0	0	0	0	0	14	0	130	0	143	143	302
2021	0	0	174	0	174	13	0	121	0	134	(40)	278
2022	0	0	0	0	0	14	0	112	2	129	129	351
2023	0	0	0	0	0	15	0	113	4	131	131	419
2024	0	0	0	0	0	14	0	100	4	118	118	476
2025	0	0	0	0	0	14	0	125	4	144	144	541
2026	0	0	0	0	0	15	0	117	5	137	137	599
2027	0	0	201	0	202	14	0	110	6	130	(72)	571
2028	0	0	0	0	0	15	0	126	6	147	147	624
2029	0	0	0	0	0	14	0	96	7	117	117	663
2030	0	0	0	0	0	15	0	114	7	136	136	706
2031	0	0	0	0	0	14	0	119	8	141	141	747
2032	0	0	0	0	0	15	0	86	9	109	109	777
2033	0	0	233	0	234	14	0	122	10	146	(88)	755
2034	0	0	0	0	0	14	0	89	10	114	114	782
2035	0	0	0	0	0	14	0	78	11	104	104	804
2036	0	0	0	0	0	15	0	92	12	119	119	828
2037	0	0	0	0	0	14	0	96	13	123	123	852
2038	0	0	0	0	0	14	0	91	14	119	119	873
2039	0	1	271	0	271	15	0	84	15	115	(157)	847
2040	0	0	0	0	0	14	0	84	17	116	116	865
2041	0	0	0	0	0	14	0	90	18	123	123	882
2042	0	0	0	0	0	15	0	102	19	136	136	900
2043	0	0	0	0	0	15	0	98	21	133	133	916
2044	0	0	0	0	0	14	0	106	22	142	142	932
2045	0	1	314	0	315	15	0	100	24	139	(176)	914
2046	0	0	0	0	0	15	0	89	26	130	130	927
2047	0	0	0	0	0	15	0	92	27	135	135	939
2048	0	0	0	0	0	15	0	113	29	157	157	952
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	3	1,342	0	1,345	436	0	3,430	353	4,218	2,873	
NPV	0	1	459	0	460	128	0	1,220	64	1,412	952	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.07

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	18	0	15	0	33	150	0	0	150	(117)	(109)
2016	37	0	0	0	37	0	0	0	0	37	(77)
2017	38	0	0	0	38	0	0	0	0	38	(46)
2018	42	0	0	0	42	0	0	0	0	42	(14)
2019	47	0	0	0	47	0	0	0	0	47	18
2020	48	0	0	0	48	0	0	0	0	48	49
2021	49	0	15	0	64	174	0	0	174	(110)	(17)
2022	50	0	0	0	50	0	0	0	0	50	11
2023	50	0	0	0	50	0	0	0	0	50	37
2024	51	0	0	0	51	0	0	0	0	51	61
2025	51	0	0	0	51	0	0	0	0	51	85
2026	53	0	0	0	53	0	0	0	0	53	107
2027	54	0	15	0	69	201	0	0	201	(132)	55
2028	56	0	0	0	56	0	0	0	0	56	75
2029	58	0	0	0	58	0	0	0	0	58	95
2030	59	0	0	0	59	0	0	0	0	59	113
2031	61	0	0	0	61	0	0	0	0	61	131
2032	64	0	0	0	64	0	0	0	0	64	149
2033	70	0	15	0	84	233	0	0	233	(149)	111
2034	73	0	0	0	73	0	0	0	0	73	128
2035	76	0	0	0	76	0	0	0	0	76	145
2036	81	0	0	0	81	0	0	0	0	81	161
2037	85	0	0	0	85	0	0	0	0	85	177
2038	88	0	0	0	88	0	0	0	0	88	193
2039	92	0	15	0	106	271	0	0	271	(164)	166
2040	95	0	0	0	95	0	0	0	0	95	180
2041	99	0	0	0	99	0	0	0	0	99	194
2042	104	0	0	0	104	0	0	0	0	104	208
2043	110	0	0	0	110	0	0	0	0	110	221
2044	116	0	0	0	116	0	0	0	0	116	235
2045	121	0	15	0	136	314	0	0	314	(178)	216
2046	128	0	0	0	128	0	0	0	0	128	228
2047	134	0	0	0	134	0	0	0	0	134	241
2048	141	0	0	0	141	0	0	0	0	141	253
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	2,498	0	87	0	2,585	1,342	0	0	1,342	1,243	
NPV	676	0	36	0	711	459	0	0	459	253	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.55

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	15	16	0	31	28	(2)	0	0	28	(2)	(2)
2016	0	0	0	32	0	32	90	0	0	0	90	58	48
2017	0	0	0	33	0	33	76	0	0	0	76	42	82
2018	0	0	0	37	0	37	99	0	0	0	99	63	129
2019	0	0	0	40	0	40	157	0	0	0	157	117	210
2020	0	0	0	41	0	41	143	0	0	0	143	102	276
2021	0	0	15	42	0	57	134	0	0	0	134	77	323
2022	0	0	0	43	0	43	126	0	0	2	129	86	371
2023	0	0	0	43	0	43	128	0	0	4	131	89	417
2024	0	0	0	44	0	44	114	0	0	4	118	74	453
2025	0	0	0	44	0	44	140	0	0	4	144	100	498
2026	0	0	0	45	0	45	132	0	0	5	137	92	537
2027	0	0	15	46	0	61	124	0	0	6	130	68	564
2028	0	0	0	48	0	48	141	0	0	6	147	99	600
2029	0	0	0	49	0	49	111	0	0	7	117	68	623
2030	0	0	0	51	0	51	129	0	0	7	136	86	650
2031	0	0	0	52	0	52	133	0	0	8	141	89	675
2032	0	0	0	55	0	55	100	0	0	9	109	54	690
2033	0	0	15	59	0	74	136	0	0	10	146	72	708
2034	0	0	0	62	0	62	104	0	0	10	114	52	721
2035	0	0	0	64	0	64	92	0	0	11	104	40	729
2036	0	0	0	69	0	69	107	0	0	12	119	50	739
2037	0	0	0	72	0	72	110	0	0	13	123	52	749
2038	0	0	0	75	0	75	105	0	0	14	119	44	757
2039	0	1	15	78	0	93	99	0	0	15	115	22	761
2040	0	0	0	80	0	80	99	0	0	17	116	35	766
2041	0	0	0	84	0	84	105	0	0	18	123	39	771
2042	0	0	0	88	0	88	117	0	0	19	136	49	778
2043	0	0	0	93	0	93	112	0	0	21	133	40	783
2044	0	0	0	98	0	98	120	0	0	22	142	45	788
2045	0	1	15	102	0	118	115	0	0	24	139	21	790
2046	0	0	0	107	0	107	104	0	0	26	130	23	792
2047	0	0	0	113	0	113	107	0	0	27	135	22	794
2048	0	0	0	118	0	118	128	0	0	29	157	39	798
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	3	87	2,121	0	2,211	3,865	0	0	353	4,218	2,007	
NPV	0	1	36	578	0	614	1,348	0	0	64	1,412	798	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.30

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	128.57 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	169.05912 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	468,190.87 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
YEAR													
2019	158	3	0	10	6	3	0	5	0	28	28	28	156
2020	153	3	0	10	4	3	0	5	2	27	25	52	160
2021	145	3	0	9	4	3	0	5	2	26	22	75	164
2022	138	3	0	9	4	2	0	5	2	25	20	95	168
2023	131	3	0	8	4	2	0	5	1	24	18	113	172
2024	124	3	0	8	4	2	0	5	1	23	16	128	177
2025	118	2	0	7	4	2	0	5	1	22	14	143	181
2026	112	2	0	7	4	2	0	5	1	21	13	156	185
2027	106	2	0	7	4	2	0	5	1	20	11	167	190
2028	100	2	0	6	3	2	0	5	1	20	10	177	195
2029	94	2	0	6	3	2	0	5	1	19	9	186	200
2030	88	2	0	5	3	2	0	5	1	18	8	194	205
2031	82	2	0	5	3	2	0	5	1	17	7	201	210
2032	76	2	0	5	2	2	0	5	1	16	6	208	215
2033	70	1	0	4	2	1	0	5	1	15	6	213	220
2034	64	1	0	4	2	1	0	5	1	15	5	218	226
2035	58	1	0	4	2	1	0	5	1	14	4	223	232
2036	52	1	0	3	1	1	0	5	1	13	4	227	237
2037	46	1	0	3	1	1	0	5	1	12	3	230	243
2038	40	1	0	3	1	1	0	5	1	11	3	233	249
2039	34	1	0	2	2	1	0	5	(1)	11	2	235	256
2040	30	1	0	2	3	1	0	5	(2)	10	2	237	262
2041	26	1	0	2	3	1	0	5	(2)	9	2	239	269
2042	23	0	0	1	3	1	0	5	(2)	9	2	241	275
2043	20	0	0	1	3	0	0	5	(2)	8	1	242	282
2044	16	0	0	1	3	0	0	5	(2)	8	1	244	289
2045	13	0	0	1	3	0	0	5	(2)	7	1	245	297
2046	10	0	0	1	2	0	0	5	(2)	7	1	246	304
2047	7	0	0	0	2	0	0	5	(2)	6	1	247	312
2048	3	0	0	0	2	(0)	0	5	(2)	6	1	247	319

IN SERVICE COST	(\$000)	156
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	6	6	5	5	5	5	0	8	0	0	0	0	(2)
2020	7.22%	11	17	5	10	5	10	2	8	0	0	0	2	1
2021	6.68%	10	27	5	16	5	15	2	8	0	0	0	2	3
2022	6.18%	9	37	5	21	5	20	2	8	0	0	0	2	4
2023	5.71%	9	45	5	26	5	25	1	8	0	0	0	1	6
2024	5.29%	8	54	5	31	5	30	1	8	0	0	0	1	7
2025	4.89%	8	61	5	36	5	35	1	8	0	0	0	1	8
2026	4.52%	7	68	5	42	5	39	1	8	0	0	0	1	9
2027	4.46%	7	75	5	47	5	44	1	8	0	0	0	1	10
2028	4.46%	7	82	5	52	5	49	1	8	0	0	0	1	10
2029	4.46%	7	89	5	57	5	54	1	8	0	0	0	1	11
2030	4.46%	7	95	5	62	5	59	1	8	0	0	0	1	12
2031	4.46%	7	102	5	68	5	64	1	8	0	0	0	1	13
2032	4.46%	7	109	5	73	5	69	1	8	0	0	0	1	13
2033	4.46%	7	116	5	78	5	74	1	8	0	0	0	1	14
2034	4.46%	7	123	5	83	5	79	1	8	0	0	0	1	15
2035	4.46%	7	130	5	88	5	84	1	8	0	0	0	1	15
2036	4.46%	7	137	5	94	5	89	1	8	0	0	0	1	16
2037	4.46%	7	143	5	99	5	94	1	8	0	0	0	1	17
2038	4.46%	7	150	5	104	5	99	1	8	0	0	0	1	18
2039	2.23%	3	154	5	109	5	104	(1)	8	0	0	0	(1)	17
2040	0.00%	0	154	5	114	5	109	(2)	8	0	0	0	(2)	15
2041	0.00%	0	154	5	120	5	113	(2)	8	0	0	0	(2)	13
2042	0.00%	0	154	5	125	5	118	(2)	8	0	0	0	(2)	11
2043	0.00%	0	154	5	130	5	123	(2)	8	0	0	0	(2)	10
2044	0.00%	0	154	5	135	5	128	(2)	8	0	0	0	(2)	8
2045	0.00%	0	154	5	140	5	133	(2)	8	0	0	0	(2)	6
2046	0.00%	0	154	5	146	5	138	(2)	8	0	0	0	(2)	4
2047	0.00%	0	154	5	151	5	143	(2)	8	0	0	0	(2)	2
2048	0.00%	0	154	5	156	5	148	(2)	8	0	0	0	(2)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(2)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	8
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	6	0	151	5	(2)	158	153	155
2020	7.22%	11	2	146	10	1	153	145	149
2021	6.68%	10	2	140	16	3	145	138	141
2022	6.18%	9	2	135	21	4	138	131	134
2023	5.71%	9	1	130	26	6	131	124	128
2024	5.29%	8	1	125	31	7	124	118	121
2025	4.89%	8	1	120	36	8	118	112	115
2026	4.52%	7	1	114	42	9	112	106	109
2027	4.46%	7	1	109	47	10	106	100	103
2028	4.46%	7	1	104	52	10	100	94	97
2029	4.46%	7	1	99	57	11	94	88	91
2030	4.46%	7	1	94	62	12	88	82	85
2031	4.46%	7	1	88	68	13	82	76	79
2032	4.46%	7	1	83	73	13	76	70	73
2033	4.46%	7	1	78	78	14	70	64	67
2034	4.46%	7	1	73	83	15	64	58	61
2035	4.46%	7	1	68	88	15	58	52	55
2036	4.46%	7	1	62	94	16	52	46	49
2037	4.46%	7	1	57	99	17	46	40	43
2038	4.46%	7	1	52	104	18	40	34	37
2039	2.23%	3	(1)	47	109	17	34	30	32
2040	0.00%	0	(2)	42	114	15	30	26	28
2041	0.00%	0	(2)	36	120	13	26	23	25
2042	0.00%	0	(2)	31	125	11	23	20	21
2043	0.00%	0	(2)	26	130	10	20	16	18
2044	0.00%	0	(2)	21	135	8	16	13	15
2045	0.00%	0	(2)	16	140	6	13	10	12
2046	0.00%	0	(2)	10	146	4	10	7	8
2047	0.00%	0	(2)	5	151	2	7	3	5
2048	0.00%	0	(2)	(0)	156	0	3	0	2

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04	67.66	53.39	(12.87)	923.05
	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS	
CONSTRUCTION CASH	145	145	145	
EQUITY AFUDC	8			
DEBT AFUDC	3	3		
CPI			9	
TOTAL	156	148	154	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ████████████████

(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
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	28	11	1	32	42	29
2020	27	11	1	57	71	25
2021	26	12	1	58	72	24
2022	25	12	1	60	72	26
2023	24	12	1	62	73	27
2024	23	13	1	66	77	26
2025	22	13	1	68	78	26
2026	21	13	1	67	76	27
2027	20	14	1	70	79	26
2028	20	14	1	73	80	28
2029	19	14	1	76	84	26
2030	18	15	1	77	84	27
2031	17	15	1	81	88	26
2032	16	15	1	84	90	27
2033	15	16	1	88	95	26
2034	15	16	1	91	97	26
2035	14	17	1	94	100	26
2036	13	17	1	98	103	26
2037	12	17	2	102	107	26
2038	11	18	2	106	111	26
2039	11	18	2	109	113	27
2040	10	19	2	114	118	26
2041	9	19	2	117	121	26
2042	9	20	2	122	126	27
2043	8	20	2	126	130	26
2044	8	21	2	132	136	26
2045	7	21	2	137	141	27
2046	7	22	2	142	145	27
2047	6	22	2	146	150	27
2048	6	23	2	153	156	27
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	467	490	43	2,806	3,014	792
NPV	172	127	11	675	753	233

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	5	7	2	0	1
2023	8	11	4	0	1
2024	9	12	4	0	1
2025	10	13	4	0	1
2026	10	14	5	0	2
2027	11	15	5	0	2
2028	12	16	6	0	2
2029	13	18	6	0	2
2030	15	20	7	0	2
2031	16	22	8	0	3
2032	18	24	8	0	3
2033	20	26	9	0	3
2034	22	29	10	0	3
2035	24	31	11	0	4
2036	26	34	12	0	4
2037	28	36	13	0	4
2038	30	39	14	0	5
2039	32	43	15	0	5
2040	35	46	16	0	5
2041	38	50	18	0	6
2042	41	54	19	0	6
2043	44	58	20	0	7
2044	47	62	22	0	7
2045	50	66	23	0	8
2046	54	71	25	0	8
2047	57	75	26	0	9
2048	61	80	28	0	9
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	738	968	342	0	113
NPV	133	174	62	0	21

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	236	0	236	0	0	22	0	22	(215)	(200)
2016	0	0	0	0	0	0	6	64	0	71	71	(139)
2017	0	0	0	0	0	0	6	54	0	60	60	(90)
2018	0	0	0	0	0	0	6	61	0	67	67	(40)
2019	0	0	0	0	0	29	6	89	0	124	124	46
2020	0	0	0	0	0	25	5	105	0	136	136	134
2021	0	0	0	0	0	24	5	97	0	126	126	210
2022	0	0	0	0	0	26	5	84	1	116	116	275
2023	0	0	0	0	0	27	5	74	1	107	107	331
2024	0	0	0	0	0	26	5	74	1	106	106	382
2025	0	0	302	0	303	26	5	94	1	126	(176)	303
2026	0	0	0	0	0	27	5	102	2	135	135	359
2027	0	0	0	0	0	26	4	89	2	121	121	407
2028	0	0	0	0	0	28	4	91	2	125	125	452
2029	0	0	0	0	0	26	4	68	2	100	100	486
2030	0	0	0	0	0	27	4	77	2	111	111	521
2031	0	0	0	0	0	26	4	90	3	122	122	556
2032	0	0	0	0	0	27	4	81	3	114	114	587
2033	0	0	0	0	0	26	4	84	3	116	116	617
2034	0	0	0	0	0	26	4	68	3	101	101	640
2035	0	0	387	0	387	26	4	61	4	94	(293)	576
2036	0	0	0	0	0	26	4	91	4	125	125	602
2037	0	0	0	0	0	26	4	94	4	128	128	626
2038	0	0	0	0	0	26	4	84	5	118	118	647
2039	0	0	0	0	0	27	4	69	5	105	105	664
2040	0	0	0	0	0	26	4	73	5	108	108	680
2041	0	0	0	0	0	26	4	79	6	115	115	696
2042	0	0	0	0	0	27	4	94	6	131	131	713
2043	0	0	0	0	0	26	4	86	7	123	123	728
2044	0	0	0	0	0	26	3	95	7	132	132	743
2045	0	1	495	0	496	27	3	85	8	123	(373)	704
2046	0	0	0	0	0	27	3	68	8	106	106	714
2047	0	0	0	0	0	27	3	70	9	109	109	724
2048	0	0	0	0	0	27	3	97	9	136	136	736
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	1,420	0	1,422	792	140	2,713	113	3,758	2,337	
NPV	0	1	493	0	493	233	54	922	21	1,229	736	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.49

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	26	20	0	47	22	0	0	0	22	(25)	(23)
2016	0	0	0	40	0	40	64	6	0	0	71	30	3
2017	0	0	0	42	0	42	54	6	0	0	60	18	18
2018	0	0	0	44	0	44	61	6	0	0	67	23	35
2019	0	0	0	48	0	48	118	6	0	0	124	76	88
2020	0	0	0	49	0	49	131	5	0	0	136	87	144
2021	0	0	0	50	0	50	121	5	0	0	126	76	190
2022	0	0	0	52	0	52	110	5	0	1	116	64	225
2023	0	0	0	52	0	52	101	5	0	1	107	55	254
2024	0	0	0	53	0	53	100	5	0	1	106	53	280
2025	0	0	26	53	0	80	120	5	0	1	126	46	301
2026	0	0	0	54	0	54	129	5	0	2	135	82	335
2027	0	0	0	55	0	55	115	4	0	2	121	67	361
2028	0	0	0	56	0	56	119	4	0	2	125	69	386
2029	0	0	0	57	0	57	94	4	0	2	100	44	401
2030	0	0	0	58	0	58	104	4	0	2	111	53	417
2031	0	0	0	59	0	59	115	4	0	3	122	63	436
2032	0	0	0	62	0	62	107	4	0	3	114	52	450
2033	0	0	0	66	0	66	109	4	0	3	116	51	463
2034	0	0	0	68	0	68	94	4	0	3	101	33	470
2035	0	0	26	70	0	96	87	4	0	4	94	(2)	470
2036	0	0	0	73	0	73	117	4	0	4	125	51	480
2037	0	0	0	76	0	76	120	4	0	4	128	52	490
2038	0	0	0	78	0	78	110	4	0	5	118	40	497
2039	0	0	0	80	0	80	96	4	0	5	105	24	501
2040	0	0	0	83	0	83	99	4	0	5	108	25	505
2041	0	0	0	85	0	85	106	4	0	6	115	29	509
2042	0	0	0	88	0	88	121	4	0	6	131	43	515
2043	0	0	0	93	0	93	113	4	0	7	123	30	519
2044	0	0	0	96	0	96	121	3	0	7	132	35	523
2045	0	1	26	100	0	127	112	3	0	8	123	(4)	522
2046	0	0	0	104	0	104	95	3	0	8	106	2	522
2047	0	0	0	108	0	108	97	3	0	9	109	1	523
2048	0	0	0	112	0	112	124	3	0	9	136	24	525
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	106	2,282	0	2,390	3,505	140	0	113	3,758	1,369	
NPV	0	1	45	659	0	705	1,155	54	0	21	1,229	525	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.74

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	17.50 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	23.01144 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	77,988.48 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME:

Table with columns: YEAR, (1) UTILITY PROGRAM COSTS WITHOUT INCENTIVES, (2) UTILITY INCENTIVES, (3) OTHER UTILITY COSTS, (4) TOTAL UTILITY PROGRAM COSTS, (5) ENERGY CHARGE REVENUE LOSSES, (6) DEMAND CHARGE REVENUE LOSSES, (7) PARTICIPANT EQUIPMENT COSTS, (8) PARTICIPANT O&M COSTS, (9) OTHER PARTICIPANT COSTS, (10) TOTAL PARTICIPANT COSTS. Rows include years 2014-2048 and summary rows NOM and NPV.

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	22	0	0	1	1	0	0	1	0	4	4	4	21
2020	21	0	0	1	1	0	0	1	0	4	3	7	22
2021	20	0	0	1	1	0	0	1	0	4	3	10	22
2022	19	0	0	1	1	0	0	1	0	3	3	13	23
2023	18	0	0	1	1	0	0	1	0	3	2	15	23
2024	17	0	0	1	1	0	0	1	0	3	2	17	24
2025	16	0	0	1	1	0	0	1	0	3	2	19	25
2026	15	0	0	1	1	0	0	1	0	3	2	21	25
2027	14	0	0	1	0	0	0	1	0	3	2	23	26
2028	14	0	0	1	0	0	0	1	0	3	1	24	27
2029	13	0	0	1	0	0	0	1	0	3	1	25	27
2030	12	0	0	1	0	0	0	1	0	2	1	26	28
2031	11	0	0	1	0	0	0	1	0	2	1	27	29
2032	10	0	0	1	0	0	0	1	0	2	1	28	29
2033	10	0	0	1	0	0	0	1	0	2	1	29	30
2034	9	0	0	1	0	0	0	1	0	2	1	30	31
2035	8	0	0	0	0	0	0	1	0	2	1	30	32
2036	7	0	0	0	0	0	0	1	0	2	1	31	32
2037	6	0	0	0	0	0	0	1	0	2	0	31	33
2038	5	0	0	0	0	0	0	1	0	2	0	32	34
2039	5	0	0	0	0	0	0	1	(0)	1	0	32	35
2040	4	0	0	0	0	0	0	1	(0)	1	0	32	36
2041	4	0	0	0	0	0	0	1	(0)	1	0	33	37
2042	3	0	0	0	0	0	0	1	(0)	1	0	33	37
2043	3	0	0	0	0	0	0	1	(0)	1	0	33	38
2044	2	0	0	0	0	0	0	1	(0)	1	0	33	39
2045	2	0	0	0	0	0	0	1	(0)	1	0	33	40
2046	1	0	0	0	0	0	0	1	(0)	1	0	33	41
2047	1	0	0	0	0	0	0	1	(0)	1	0	34	42
2048	0	0	0	0	0	(0)	0	1	(0)	1	0	34	43

IN SERVICE COST	(\$000)	21
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	1	1	1	1	1	1	0	1	0	0	0	0	(0)
2020	7.22%	2	2	1	1	1	1	0	1	0	0	0	0	0
2021	6.68%	1	4	1	2	1	2	0	1	0	0	0	0	0
2022	6.18%	1	5	1	3	1	3	0	1	0	0	0	0	1
2023	5.71%	1	6	1	4	1	4	0	1	0	0	0	0	1
2024	5.29%	1	7	1	4	1	4	0	1	0	0	0	0	1
2025	4.89%	1	8	1	5	1	5	0	1	0	0	0	0	1
2026	4.52%	1	9	1	6	1	6	0	1	0	0	0	0	1
2027	4.46%	1	10	1	6	1	6	0	1	0	0	0	0	1
2028	4.46%	1	11	1	7	1	7	0	1	0	0	0	0	1
2029	4.46%	1	12	1	8	1	8	0	1	0	0	0	0	2
2030	4.46%	1	13	1	8	1	8	0	1	0	0	0	0	2
2031	4.46%	1	14	1	9	1	9	0	1	0	0	0	0	2
2032	4.46%	1	15	1	10	1	9	0	1	0	0	0	0	2
2033	4.46%	1	16	1	11	1	10	0	1	0	0	0	0	2
2034	4.46%	1	17	1	11	1	11	0	1	0	0	0	0	2
2035	4.46%	1	18	1	12	1	11	0	1	0	0	0	0	2
2036	4.46%	1	19	1	13	1	12	0	1	0	0	0	0	2
2037	4.46%	1	20	1	13	1	13	0	1	0	0	0	0	2
2038	4.46%	1	20	1	14	1	13	0	1	0	0	0	0	2
2039	2.23%	0	21	1	15	1	14	(0)	1	0	0	0	(0)	2
2040	0.00%	0	21	1	16	1	15	(0)	1	0	0	0	(0)	2
2041	0.00%	0	21	1	16	1	15	(0)	1	0	0	0	(0)	2
2042	0.00%	0	21	1	17	1	16	(0)	1	0	0	0	(0)	2
2043	0.00%	0	21	1	18	1	17	(0)	1	0	0	0	(0)	1
2044	0.00%	0	21	1	18	1	17	(0)	1	0	0	0	(0)	1
2045	0.00%	0	21	1	19	1	18	(0)	1	0	0	0	(0)	1
2046	0.00%	0	21	1	20	1	19	(0)	1	0	0	0	(0)	1
2047	0.00%	0	21	1	21	1	19	(0)	1	0	0	0	(0)	0
2048	0.00%	0	21	1	21	1	20	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ████████████████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	21	1	(0)	22	21	21
2020	7.22%	2	0	20	1	0	21	20	20
2021	6.68%	1	0	19	2	0	20	19	19
2022	6.18%	1	0	18	3	1	19	18	18
2023	5.71%	1	0	18	4	1	18	17	17
2024	5.29%	1	0	17	4	1	17	16	16
2025	4.89%	1	0	16	5	1	16	15	16
2026	4.52%	1	0	16	6	1	15	14	15
2027	4.46%	1	0	15	6	1	14	14	14
2028	4.46%	1	0	14	7	1	14	13	13
2029	4.46%	1	0	13	8	2	13	12	12
2030	4.46%	1	0	13	8	2	12	11	12
2031	4.46%	1	0	12	9	2	11	10	11
2032	4.46%	1	0	11	10	2	10	10	10
2033	4.46%	1	0	11	11	2	10	9	9
2034	4.46%	1	0	10	11	2	9	8	8
2035	4.46%	1	0	9	12	2	8	7	8
2036	4.46%	1	0	8	13	2	7	6	7
2037	4.46%	1	0	8	13	2	6	5	6
2038	4.46%	1	0	7	14	2	5	5	5
2039	2.23%	0	(0)	6	15	2	5	4	4
2040	0.00%	0	(0)	6	16	2	4	4	4
2041	0.00%	0	(0)	5	16	2	4	3	3
2042	0.00%	0	(0)	4	17	2	3	3	3
2043	0.00%	0	(0)	4	18	1	3	2	2
2044	0.00%	0	(0)	3	18	1	2	2	2
2045	0.00%	0	(0)	2	19	1	2	1	2
2046	0.00%	0	(0)	1	20	1	1	1	1
2047	0.00%	0	(0)	1	21	0	1	0	1
2048	0.00%	0	(0)	(0)	21	0	0	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04	67.66	53.39	(12.87)	923.05
	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS	
CONSTRUCTION CASH	20	20	20	
EQUITY AFUDC	1			
DEBT AFUDC	0	0		
CPI			1	
TOTAL	21	20	21	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(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
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	4	2	0	4	6	4
2020	4	2	0	8	10	3
2021	4	2	0	8	10	3
2022	3	2	0	8	10	4
2023	3	2	0	8	10	4
2024	3	2	0	9	10	4
2025	3	2	0	9	11	4
2026	3	2	0	9	10	4
2027	3	2	0	9	11	4
2028	3	2	0	10	11	4
2029	3	2	0	10	11	4
2030	2	2	0	11	11	4
2031	2	2	0	11	12	3
2032	2	2	0	11	12	4
2033	2	2	0	12	13	3
2034	2	2	0	12	13	4
2035	2	2	0	13	14	4
2036	2	2	0	13	14	4
2037	2	2	0	14	15	4
2038	2	2	0	14	15	3
2039	1	2	0	15	15	4
2040	1	3	0	15	16	4
2041	1	3	0	16	16	4
2042	1	3	0	17	17	4
2043	1	3	0	17	18	4
2044	1	3	0	18	19	4
2045	1	3	0	19	19	4
2046	1	3	0	19	20	4
2047	1	3	0	20	20	4
2048	1	3	0	21	21	4
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	64	67	6	382	410	108
NPV	23	17	1	92	102	32

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	17	0	17	0	0	3	0	3	(14)	(13)
2016	0	0	0	0	0	0	1	12	0	13	13	(2)
2017	0	0	0	0	0	0	1	9	0	9	9	6
2018	0	0	0	0	0	0	1	11	0	12	12	15
2019	0	0	0	0	0	4	1	15	0	20	20	29
2020	0	0	0	0	0	3	1	14	0	18	18	41
2021	0	0	19	0	20	3	1	13	0	17	(2)	39
2022	0	0	0	0	0	4	1	13	0	18	18	49
2023	0	0	0	0	0	4	1	14	0	18	18	59
2024	0	0	0	0	0	4	1	12	0	16	16	67
2025	0	0	0	0	0	4	1	14	0	18	18	75
2026	0	0	0	0	0	4	1	12	0	16	16	82
2027	0	0	22	0	23	4	1	13	0	18	(5)	80
2028	0	0	0	0	0	4	1	12	0	17	17	86
2029	0	0	0	0	0	4	1	11	0	16	16	91
2030	0	0	0	0	0	4	1	11	1	16	16	96
2031	0	0	0	0	0	3	1	12	1	17	17	101
2032	0	0	0	0	0	4	1	9	1	14	14	105
2033	0	0	26	0	26	3	1	12	1	17	(10)	102
2034	0	0	0	0	0	4	1	9	1	14	14	106
2035	0	0	0	0	0	4	1	8	1	13	13	109
2036	0	0	0	0	0	4	1	10	1	15	15	112
2037	0	0	0	0	0	4	1	10	1	15	15	114
2038	0	0	0	0	0	3	0	10	1	15	15	117
2039	0	0	30	0	30	4	0	9	1	15	(16)	114
2040	0	0	0	0	0	4	0	9	1	15	15	117
2041	0	0	0	0	0	4	0	10	1	15	15	119
2042	0	0	0	0	0	4	0	11	1	17	17	121
2043	0	0	0	0	0	4	0	11	2	16	16	123
2044	0	0	0	0	0	4	0	11	2	17	17	125
2045	0	0	35	0	35	4	0	11	2	17	(18)	123
2046	0	0	0	0	0	4	0	10	2	16	16	125
2047	0	0	0	0	0	4	0	11	2	17	17	126
2048	0	0	0	0	0	4	0	13	2	19	19	128
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	149	0	151	108	19	376	26	529	378	
NPV	0	1	51	0	52	32	7	136	5	179	128	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.47

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	3	0	4	0	7	17	0	0	17	(10)	(9)
2016	7	0	0	0	7	0	0	0	0	7	(3)
2017	7	0	0	0	7	0	0	0	0	7	3
2018	8	0	0	0	8	0	0	0	0	8	9
2019	8	0	0	0	8	0	0	0	0	8	14
2020	8	0	0	0	8	0	0	0	0	8	20
2021	9	0	4	0	12	19	0	0	19	(7)	16
2022	9	0	0	0	9	0	0	0	0	9	21
2023	9	0	0	0	9	0	0	0	0	9	26
2024	9	0	0	0	9	0	0	0	0	9	30
2025	9	0	0	0	9	0	0	0	0	9	34
2026	10	0	0	0	10	0	0	0	0	10	38
2027	10	0	4	0	13	22	0	0	22	(9)	35
2028	10	0	0	0	10	0	0	0	0	10	38
2029	10	0	0	0	10	0	0	0	0	10	42
2030	10	0	0	0	10	0	0	0	0	10	45
2031	11	0	0	0	11	0	0	0	0	11	48
2032	11	0	0	0	11	0	0	0	0	11	51
2033	12	0	4	0	15	26	0	0	26	(11)	48
2034	12	0	0	0	12	0	0	0	0	12	51
2035	13	0	0	0	13	0	0	0	0	13	54
2036	13	0	0	0	13	0	0	0	0	13	57
2037	14	0	0	0	14	0	0	0	0	14	59
2038	14	0	0	0	14	0	0	0	0	14	62
2039	15	0	4	0	18	30	0	0	30	(12)	60
2040	15	0	0	0	15	0	0	0	0	15	62
2041	16	0	0	0	16	0	0	0	0	16	65
2042	16	0	0	0	16	0	0	0	0	16	67
2043	17	0	0	0	17	0	0	0	0	17	69
2044	18	0	0	0	18	0	0	0	0	18	71
2045	19	0	4	0	22	35	0	0	35	(13)	69
2046	19	0	0	0	19	0	0	0	0	19	71
2047	20	0	0	0	20	0	0	0	0	20	73
2048	21	0	0	0	21	0	0	0	0	21	75
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	413	0	22	0	435	149	0	0	149	286	
NPV	117	0	9	0	126	51	0	0	51	75	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) **2.47**

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	10.15 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	13.34137 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	45,215.28 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	12	0	0	1	0	0	0	0	0	2	2	2	12
2020	12	0	0	1	0	0	0	0	0	2	2	4	13
2021	11	0	0	1	0	0	0	0	0	2	2	6	13
2022	11	0	0	1	0	0	0	0	0	2	2	7	13
2023	10	0	0	1	0	0	0	0	0	2	1	9	14
2024	10	0	0	1	0	0	0	0	0	2	1	10	14
2025	9	0	0	1	0	0	0	0	0	2	1	11	14
2026	9	0	0	1	0	0	0	0	0	2	1	12	15
2027	8	0	0	1	0	0	0	0	0	2	1	13	15
2028	8	0	0	0	0	0	0	0	0	2	1	14	15
2029	7	0	0	0	0	0	0	0	0	1	1	15	16
2030	7	0	0	0	0	0	0	0	0	1	1	15	16
2031	6	0	0	0	0	0	0	0	0	1	1	16	17
2032	6	0	0	0	0	0	0	0	0	1	1	16	17
2033	6	0	0	0	0	0	0	0	0	1	0	17	17
2034	5	0	0	0	0	0	0	0	0	1	0	17	18
2035	5	0	0	0	0	0	0	0	0	1	0	18	18
2036	4	0	0	0	0	0	0	0	0	1	0	18	19
2037	4	0	0	0	0	0	0	0	0	1	0	18	19
2038	3	0	0	0	0	0	0	0	0	1	0	18	20
2039	3	0	0	0	0	0	0	0	(0)	1	0	19	20
2040	2	0	0	0	0	0	0	0	(0)	1	0	19	21
2041	2	0	0	0	0	0	0	0	(0)	1	0	19	21
2042	2	0	0	0	0	0	0	0	(0)	1	0	19	22
2043	2	0	0	0	0	0	0	0	(0)	1	0	19	22
2044	1	0	0	0	0	0	0	0	(0)	1	0	19	23
2045	1	0	0	0	0	0	0	0	(0)	1	0	19	23
2046	1	0	0	0	0	0	0	0	(0)	1	0	19	24
2047	1	0	0	0	0	0	0	0	(0)	1	0	19	25
2048	0	0	0	0	0	(0)	0	0	(0)	0	0	20	25

IN SERVICE COST	(\$000)	12
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	0	0	0	0	0	0	0	1	0	0	0	0	(0)
2020	7.22%	1	1	0	1	0	1	0	1	0	0	0	0	0
2021	6.68%	1	2	0	1	0	1	0	1	0	0	0	0	0
2022	6.18%	1	3	0	2	0	2	0	1	0	0	0	0	0
2023	5.71%	1	4	0	2	0	2	0	1	0	0	0	0	0
2024	5.29%	1	4	0	2	0	2	0	1	0	0	0	0	1
2025	4.89%	1	5	0	3	0	3	0	1	0	0	0	0	1
2026	4.52%	1	5	0	3	0	3	0	1	0	0	0	0	1
2027	4.46%	1	6	0	4	0	4	0	1	0	0	0	0	1
2028	4.46%	1	6	0	4	0	4	0	1	0	0	0	0	1
2029	4.46%	1	7	0	5	0	4	0	1	0	0	0	0	1
2030	4.46%	1	8	0	5	0	5	0	1	0	0	0	0	1
2031	4.46%	1	8	0	5	0	5	0	1	0	0	0	0	1
2032	4.46%	1	9	0	6	0	5	0	1	0	0	0	0	1
2033	4.46%	1	9	0	6	0	6	0	1	0	0	0	0	1
2034	4.46%	1	10	0	7	0	6	0	1	0	0	0	0	1
2035	4.46%	1	10	0	7	0	7	0	1	0	0	0	0	1
2036	4.46%	1	11	0	7	0	7	0	1	0	0	0	0	1
2037	4.46%	1	11	0	8	0	7	0	1	0	0	0	0	1
2038	4.46%	1	12	0	8	0	8	0	1	0	0	0	0	1
2039	2.23%	0	12	0	9	0	8	(0)	1	0	0	0	(0)	1
2040	0.00%	0	12	0	9	0	9	(0)	1	0	0	0	(0)	1
2041	0.00%	0	12	0	9	0	9	(0)	1	0	0	0	(0)	1
2042	0.00%	0	12	0	10	0	9	(0)	1	0	0	0	(0)	1
2043	0.00%	0	12	0	10	0	10	(0)	1	0	0	0	(0)	1
2044	0.00%	0	12	0	11	0	10	(0)	1	0	0	0	(0)	1
2045	0.00%	0	12	0	11	0	11	(0)	1	0	0	0	(0)	0
2046	0.00%	0	12	0	11	0	11	(0)	1	0	0	0	(0)	0
2047	0.00%	0	12	0	12	0	11	(0)	1	0	0	0	(0)	0
2048	0.00%	0	12	0	12	0	12	(0)	1	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(0)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	1
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	0	0	12	0	(0)	12	12	12
2020	7.22%	1	0	11	1	0	12	11	12
2021	6.68%	1	0	11	1	0	11	11	11
2022	6.18%	1	0	11	2	0	11	10	11
2023	5.71%	1	0	10	2	0	10	10	10
2024	5.29%	1	0	10	2	1	10	9	10
2025	4.89%	1	0	9	3	1	9	9	9
2026	4.52%	1	0	9	3	1	9	8	9
2027	4.46%	1	0	9	4	1	8	8	8
2028	4.46%	1	0	8	4	1	8	7	8
2029	4.46%	1	0	8	5	1	7	7	7
2030	4.46%	1	0	7	5	1	7	6	7
2031	4.46%	1	0	7	5	1	6	6	6
2032	4.46%	1	0	7	6	1	6	6	6
2033	4.46%	1	0	6	6	1	6	5	5
2034	4.46%	1	0	6	7	1	5	5	5
2035	4.46%	1	0	5	7	1	5	4	4
2036	4.46%	1	0	5	7	1	4	4	4
2037	4.46%	1	0	5	8	1	4	3	3
2038	4.46%	1	0	4	8	1	3	3	3
2039	2.23%	0	(0)	4	9	1	3	2	3
2040	0.00%	0	(0)	3	9	1	2	2	2
2041	0.00%	0	(0)	3	9	1	2	2	2
2042	0.00%	0	(0)	2	10	1	2	2	2
2043	0.00%	0	(0)	2	10	1	2	1	1
2044	0.00%	0	(0)	2	11	1	1	1	1
2045	0.00%	0	(0)	1	11	0	1	1	1
2046	0.00%	0	(0)	1	11	0	1	1	1
2047	0.00%	0	(0)	0	12	0	1	0	0
2048	0.00%	0	(0)	(0)	12	0	0	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	11	11	11
EQUITY AFUDC	1		
DEBT AFUDC	0	0	
CPI			1
TOTAL	12	12	12

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.10	4.53	0.00	1.00	1.00
2016	1	1	4.92	11.88	5.02	0.00	1.00	1.00
2017	1	1	4.27	9.26	4.33	0.00	1.00	1.00
2018	1	1	5.27	13.39	5.35	0.00	1.00	1.00
2019	1	1	5.38	14.85	5.46	5.05	1.00	1.00
2020	1	1	5.65	14.17	5.73	5.04	1.00	1.00
2021	1	1	5.65	13.92	5.73	5.11	1.00	1.00
2022	1	1	5.60	13.97	5.67	5.07	1.00	1.00
2023	1	1	5.60	12.60	5.67	5.17	1.00	1.00
2024	1	1	5.81	12.22	5.88	5.46	1.00	1.00
2025	1	1	5.98	13.12	6.05	5.61	1.00	1.00
2026	1	1	5.73	10.77	5.79	5.73	1.00	1.00
2027	1	1	6.01	13.04	6.09	6.01	1.00	1.00
2028	1	1	6.07	11.21	6.15	6.10	1.00	1.00
2029	1	1	6.28	10.94	6.36	6.40	1.00	1.00
2030	1	1	6.34	10.60	6.41	6.40	1.00	1.00
2031	1	1	6.57	11.39	6.63	6.72	1.00	1.00
2032	1	1	6.62	9.45	6.67	6.79	1.00	1.00
2033	1	1	6.97	11.59	7.01	7.12	1.00	1.00
2034	1	1	7.05	9.87	7.09	7.32	1.00	1.00
2035	1	1	7.19	9.46	7.23	7.51	1.00	1.00
2036	1	1	7.47	10.30	7.51	7.70	1.00	1.00
2037	1	1	7.68	10.79	7.72	8.03	1.00	1.00
2038	1	1	7.94	10.77	7.98	8.32	1.00	1.00
2039	1	1	8.12	10.50	8.16	8.48	1.00	1.00
2040	1	1	8.35	10.78	8.38	8.85	1.00	1.00
2041	1	1	8.67	11.26	8.70	9.11	1.00	1.00
2042	1	1	8.99	12.15	9.03	9.45	1.00	1.00
2043	1	1	9.27	12.18	9.31	9.80	1.00	1.00
2044	1	1	9.60	12.81	9.64	10.24	1.00	1.00
2045	1	1	9.94	12.82	9.99	10.56	1.00	1.00
2046	1	1	10.25	12.54	10.29	10.91	1.00	1.00
2047	1	1	10.57	13.13	10.61	11.25	1.00	1.00
2048	1	1	11.00	14.36	11.05	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	2	1	0	3	3	2
2020	2	1	0	4	6	2
2021	2	1	0	5	6	2
2022	2	1	0	5	6	2
2023	2	1	0	5	6	2
2024	2	1	0	5	6	2
2025	2	1	0	5	6	2
2026	2	1	0	5	6	2
2027	2	1	0	6	6	2
2028	2	1	0	6	6	2
2029	1	1	0	6	7	2
2030	1	1	0	6	7	2
2031	1	1	0	6	7	2
2032	1	1	0	7	7	2
2033	1	1	0	7	7	2
2034	1	1	0	7	8	2
2035	1	1	0	7	8	2
2036	1	1	0	8	8	2
2037	1	1	0	8	8	2
2038	1	1	0	8	9	2
2039	1	1	0	9	9	2
2040	1	1	0	9	9	2
2041	1	2	0	9	10	2
2042	1	2	0	10	10	2
2043	1	2	0	10	10	2
2044	1	2	0	10	11	2
2045	1	2	0	11	11	2
2046	1	2	0	11	11	2
2047	1	2	0	12	12	2
2048	0	2	0	12	12	2
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	37	39	3	221	238	62
NPV	14	10	1	53	59	18

AVOIDED GENERATING EMISSION IMPACT
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	1	0	0	0
2023	1	1	0	0	0
2024	1	1	0	0	0
2025	1	1	0	0	0
2026	1	1	0	0	0
2027	1	1	1	0	0
2028	1	1	1	0	0
2029	1	1	1	0	0
2030	1	2	1	0	0
2031	1	2	1	0	0
2032	1	2	1	0	0
2033	2	2	1	0	0
2034	2	2	1	0	0
2035	2	2	1	0	0
2036	2	3	1	0	1
2037	2	3	1	0	1
2038	2	3	1	0	1
2039	3	3	1	0	1
2040	3	4	2	0	1
2041	3	4	2	0	1
2042	3	4	2	0	1
2043	3	5	2	0	1
2044	4	5	2	0	1
2045	4	5	2	0	1
2046	4	6	2	0	1
2047	5	6	3	0	1
2048	5	6	3	0	1
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
NOM	58	76	33	0	15
NPV	10	14	6	0	3

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(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)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	21	0	21	0	0	2	0	2	(19)	(18)
2016	0	0	0	0	0	0	0	6	0	7	7	(12)
2017	0	0	0	0	0	0	0	5	0	5	5	(8)
2018	0	0	0	0	0	0	0	7	0	8	8	(2)
2019	0	0	0	0	0	2	0	8	0	11	11	5
2020	0	0	0	0	0	2	0	8	0	10	10	12
2021	0	0	24	0	25	2	0	7	0	10	(15)	3
2022	0	0	0	0	0	2	0	8	0	10	10	9
2023	0	0	0	0	0	2	0	7	0	9	9	14
2024	0	0	0	0	0	2	0	6	0	9	9	18
2025	0	0	0	0	0	2	0	7	0	10	10	22
2026	0	0	0	0	0	2	0	6	0	8	8	26
2027	0	0	28	0	29	2	0	7	0	10	(19)	18
2028	0	0	0	0	0	2	0	6	0	9	9	21
2029	0	0	0	0	0	2	0	6	0	8	8	24
2030	0	0	0	0	0	2	0	5	0	8	8	27
2031	0	0	0	0	0	2	0	6	0	9	9	29
2032	0	0	0	0	0	2	0	5	0	7	7	31
2033	0	0	33	0	33	2	0	6	0	9	(24)	25
2034	0	0	0	0	0	2	0	5	0	8	8	27
2035	0	0	0	0	0	2	0	5	0	7	7	28
2036	0	0	0	0	0	2	0	5	1	8	8	30
2037	0	0	0	0	0	2	0	5	1	8	8	32
2038	0	0	0	0	0	2	0	5	1	8	8	33
2039	0	0	38	0	38	2	0	5	1	8	(30)	28
2040	0	0	0	0	0	2	0	5	1	8	8	29
2041	0	0	0	0	0	2	0	5	1	9	9	31
2042	0	0	0	0	0	2	0	6	1	9	9	32
2043	0	0	0	0	0	2	0	6	1	9	9	33
2044	0	0	0	0	0	2	0	6	1	10	10	34
2045	0	0	44	0	45	2	0	6	1	10	(35)	30
2046	0	0	0	0	0	2	0	6	1	9	9	31
2047	0	0	0	0	0	2	0	6	1	10	10	32
2048	0	0	0	0	0	2	0	7	1	11	11	33
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	189	0	190	62	11	201	15	290	99	
NPV	0	1	64	0	65	18	4	73	3	98	33	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 1.51

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	2	0	2	0	4	21	0	0	21	(17)	(16)
2016	4	0	0	0	4	0	0	0	0	4	(12)
2017	4	0	0	0	4	0	0	0	0	4	(9)
2018	5	0	0	0	5	0	0	0	0	5	(5)
2019	5	0	0	0	5	0	0	0	0	5	(2)
2020	5	0	0	0	5	0	0	0	0	5	2
2021	5	0	2	0	7	24	0	0	24	(17)	(9)
2022	5	0	0	0	5	0	0	0	0	5	(5)
2023	5	0	0	0	5	0	0	0	0	5	(3)
2024	6	0	0	0	6	0	0	0	0	6	0
2025	6	0	0	0	6	0	0	0	0	6	3
2026	6	0	0	0	6	0	0	0	0	6	5
2027	6	0	2	0	8	28	0	0	28	(20)	(3)
2028	6	0	0	0	6	0	0	0	0	6	(1)
2029	6	0	0	0	6	0	0	0	0	6	1
2030	6	0	0	0	6	0	0	0	0	6	3
2031	6	0	0	0	6	0	0	0	0	6	5
2032	7	0	0	0	7	0	0	0	0	7	7
2033	7	0	2	0	9	33	0	0	33	(24)	1
2034	7	0	0	0	7	0	0	0	0	7	3
2035	8	0	0	0	8	0	0	0	0	8	4
2036	8	0	0	0	8	0	0	0	0	8	6
2037	8	0	0	0	8	0	0	0	0	8	8
2038	9	0	0	0	9	0	0	0	0	9	9
2039	9	0	2	0	11	38	0	0	38	(27)	5
2040	9	0	0	0	9	0	0	0	0	9	6
2041	10	0	0	0	10	0	0	0	0	10	8
2042	10	0	0	0	10	0	0	0	0	10	9
2043	10	0	0	0	10	0	0	0	0	10	10
2044	11	0	0	0	11	0	0	0	0	11	11
2045	11	0	2	0	13	44	0	0	44	(31)	8
2046	12	0	0	0	12	0	0	0	0	12	9
2047	12	0	0	0	12	0	0	0	0	12	10
2048	13	0	0	0	13	0	0	0	0	13	11
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	251	0	13	0	263	189	0	0	189	75	
NPV	71	0	5	0	76	64	0	0	64	11	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.18

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	2	2	0	4	2	0	0	0	2	(2)	(2)
2016	0	0	0	4	0	4	6	0	0	0	7	3	1
2017	0	0	0	4	0	4	5	0	0	0	5	2	2
2018	0	0	0	4	0	4	7	0	0	0	8	4	5
2019	0	0	0	4	0	4	10	0	0	0	11	7	10
2020	0	0	0	4	0	4	10	0	0	0	10	6	13
2021	0	0	2	4	0	7	9	0	0	0	10	3	15
2022	0	0	0	5	0	5	10	0	0	0	10	5	18
2023	0	0	0	5	0	5	9	0	0	0	9	5	21
2024	0	0	0	5	0	5	8	0	0	0	9	4	23
2025	0	0	0	5	0	5	9	0	0	0	10	5	25
2026	0	0	0	5	0	5	8	0	0	0	8	4	26
2027	0	0	2	5	0	7	9	0	0	0	10	2	27
2028	0	0	0	5	0	5	8	0	0	0	9	4	28
2029	0	0	0	5	0	5	8	0	0	0	8	3	30
2030	0	0	0	5	0	5	8	0	0	0	8	3	31
2031	0	0	0	5	0	5	8	0	0	0	9	3	31
2032	0	0	0	6	0	6	7	0	0	0	7	2	32
2033	0	0	2	6	0	8	8	0	0	0	9	0	32
2034	0	0	0	6	0	6	7	0	0	0	8	2	32
2035	0	0	0	6	0	6	7	0	0	0	7	1	33
2036	0	0	0	7	0	7	7	0	0	1	8	1	33
2037	0	0	0	7	0	7	7	0	0	1	8	1	33
2038	0	0	0	7	0	7	7	0	0	1	8	1	33
2039	0	0	2	7	0	10	7	0	0	1	8	(2)	33
2040	0	0	0	7	0	7	7	0	0	1	8	1	33
2041	0	0	0	8	0	8	8	0	0	1	9	1	33
2042	0	0	0	8	0	8	8	0	0	1	9	1	34
2043	0	0	0	8	0	8	8	0	0	1	9	1	34
2044	0	0	0	9	0	9	8	0	0	1	10	1	34
2045	0	0	2	9	0	12	8	0	0	1	10	(2)	34
2046	0	0	0	10	0	10	8	0	0	1	9	(0)	34
2047	0	0	0	10	0	10	8	0	0	1	10	(0)	34
2048	0	0	0	10	0	10	9	0	0	1	11	0	34
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	13	205	0	220	264	11	0	15	290	70	
NPV	0	1	5	59	0	65	91	4	0	3	98	34	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.52

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME:

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)
2014	0	0	0	0	0	0	0	0	0	
2015	0	11	0	11	18	4	160	0	160	
2016	0	0	0	0	36	8	0	0	0	
2017	0	0	0	0	37	9	0	0	0	
2018	0	0	0	0	41	9	0	0	0	
2019	0	0	0	0	45	9	0	0	0	
2020	0	0	0	0	46	10	0	0	0	
2021	0	0	0	0	46	10	0	0	0	
2022	0	0	0	0	47	11	0	0	0	
2023	0	0	0	0	50	10	0	0	0	
2024	0	0	0	0	52	10	0	0	0	
2025	0	0	0	0	53	9	0	0	0	
2026	0	0	0	0	55	9	0	0	0	
2027	0	0	0	0	56	9	0	0	0	
2028	0	11	0	12	58	9	221	0	221	
2029	0	0	0	0	60	9	0	0	0	
2030	0	0	0	0	62	9	0	0	0	
2031	0	0	0	0	64	9	0	0	0	
2032	0	0	0	0	67	10	0	0	0	
2033	0	0	0	0	73	10	0	0	0	
2034	0	0	0	0	76	10	0	0	0	
2035	0	0	0	0	79	10	0	0	0	
2036	0	0	0	0	85	10	0	0	0	
2037	0	0	0	0	89	10	0	0	0	
2038	0	0	0	0	93	10	0	0	0	
2039	0	0	0	0	96	10	0	0	0	
2040	0	0	0	0	100	10	0	0	0	
2041	1	11	0	12	104	11	304	0	304	
2042	0	0	0	0	109	11	0	0	0	
2043	0	0	0	0	116	11	0	0	0	
2044	0	0	0	0	122	11	0	0	0	
2045	0	0	0	0	128	11	0	0	0	
2046	0	0	0	0	135	11	0	0	0	
2047	0	0	0	0	142	11	0	0	0	
2048	0	0	0	0	149	11	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	1	33	0	35	2,590	331	685	0	685	
NPV	1	16	0	16	686	111	272	0	272	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
**NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
 PROGRAM METHOD SELECTED REV_REQ
 PROGRAM NAME: XX

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$ (000)	DEBT \$ (000)	PREFERRED STOCK \$ (000)	COMMON EQUITY \$ (000)	INCOME TAXES \$ (000)	PROPERTY TAX \$ (000)	PROPERTY INSURANCE \$ (000)	DEPREC. \$ (000)	DEFERRED TAXES \$ (000)	TOTAL FIXED CHARGES \$ (000)	PRESENT WORTH FIXED CHARGES \$ (000)	CUMULATIVE PW FIXED CHARGES \$ (000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$ (000)
YEAR												
2019	72	1	0	4	3	1	0	2	0	13	13	71
2020	69	1	0	4	2	1	0	2	1	12	11	73
2021	66	1	0	4	2	1	0	2	1	12	10	74
2022	63	1	0	4	2	1	0	2	1	11	9	76
2023	59	1	0	4	2	1	0	2	1	11	8	78
2024	56	1	0	4	2	1	0	2	1	10	7	80
2025	53	1	0	3	2	1	0	2	0	10	6	82
2026	51	1	0	3	2	1	0	2	0	10	6	84
2027	48	1	0	3	2	1	0	2	0	9	5	86
2028	45	1	0	3	2	1	0	2	0	9	5	89
2029	43	1	0	3	1	1	0	2	0	9	4	91
2030	40	1	0	2	1	1	0	2	0	8	4	93
2031	37	1	0	2	1	1	0	2	0	8	3	95
2032	34	1	0	2	1	1	0	2	0	7	3	98
2033	32	1	0	2	1	1	0	2	0	7	3	100
2034	29	1	0	2	1	1	0	2	0	7	2	103
2035	26	1	0	2	1	1	0	2	0	6	2	105
2036	24	0	0	1	1	1	0	2	0	6	2	108
2037	21	0	0	1	1	0	0	2	0	6	2	111
2038	18	0	0	1	0	0	0	2	0	5	1	113
2039	16	0	0	1	1	0	0	2	(0)	5	1	116
2040	13	0	0	1	1	0	0	2	(1)	4	1	119
2041	12	0	0	1	1	0	0	2	(1)	4	1	122
2042	10	0	0	1	1	0	0	2	(1)	4	1	125
2043	9	0	0	1	1	0	0	2	(1)	4	1	128
2044	7	0	0	0	1	0	0	2	(1)	4	1	131
2045	6	0	0	0	1	0	0	2	(1)	3	1	135
2046	4	0	0	0	1	0	0	2	(1)	3	0	138
2047	3	0	0	0	1	0	0	2	(1)	3	0	141
2048	1	0	0	0	1	0	0	2	(1)	3	0	145

IN SERVICE COST	(S000)	71
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

(1) YEAR	(2) TAX DEPRECIATION SCHEDULE	(3) TAX DEPRECIATION \$(000)	(4) ACCUMULATED TAX DEPRECIATION \$(000)	(5) BOOK DEPRECIATION \$(000)	(6) ACCUMULATED BOOK DEPRECIATION \$(000)	(7) BOOK DEPRECIATION FOR DEFERRED TAX \$(000)	(8) ACCUMULATED BOOK DEPR FOR DEFERRED TAX \$(000)	(9) DEFERRED TAX DUE TO DEPRECIATION \$(000)	(10) TOTAL EQUITY AFUDC \$(000)	(11) BOOK DEPR RATE MINUS 1/LIFE	(12) (10)*(11) TAX RATE \$(000)	(13) SALVAGE TAX RATE \$(000)	(14) ANNUAL DEFERRED TAX (9)-(12)+(13) \$(000)	(15) ACCUMULATED DEFERRED TAX \$(000)
2019	3.75%	3	3	2	2	2	2	0	4	0	0	0	0	(1)
2020	7.22%	5	8	2	5	2	4	1	4	0	0	0	1	0
2021	6.68%	5	12	2	7	2	7	1	4	0	0	0	1	1
2022	6.18%	4	17	2	9	2	9	1	4	0	0	0	1	2
2023	5.71%	4	21	2	12	2	11	1	4	0	0	0	1	3
2024	5.29%	4	24	2	14	2	13	1	4	0	0	0	1	3
2025	4.89%	3	28	2	17	2	16	0	4	0	0	0	0	4
2026	4.52%	3	31	2	19	2	18	0	4	0	0	0	0	4
2027	4.46%	3	34	2	21	2	20	0	4	0	0	0	0	4
2028	4.46%	3	37	2	24	2	22	0	4	0	0	0	0	5
2029	4.46%	3	40	2	26	2	25	0	4	0	0	0	0	5
2030	4.46%	3	43	2	28	2	27	0	4	0	0	0	0	5
2031	4.46%	3	46	2	31	2	29	0	4	0	0	0	0	6
2032	4.46%	3	50	2	33	2	31	0	4	0	0	0	0	6
2033	4.46%	3	53	2	35	2	34	0	4	0	0	0	0	6
2034	4.46%	3	56	2	38	2	36	0	4	0	0	0	0	7
2035	4.46%	3	59	2	40	2	38	0	4	0	0	0	0	7
2036	4.46%	3	62	2	43	2	40	0	4	0	0	0	0	7
2037	4.46%	3	65	2	45	2	43	0	4	0	0	0	0	8
2038	4.46%	3	68	2	47	2	45	0	4	0	0	0	0	8
2039	2.23%	2	70	2	50	2	47	(0)	4	0	0	0	(0)	8
2040	0.00%	0	70	2	52	2	49	(1)	4	0	0	0	(1)	7
2041	0.00%	0	70	2	54	2	52	(1)	4	0	0	0	(1)	6
2042	0.00%	0	70	2	57	2	54	(1)	4	0	0	0	(1)	5
2043	0.00%	0	70	2	59	2	56	(1)	4	0	0	0	(1)	4
2044	0.00%	0	70	2	61	2	58	(1)	4	0	0	0	(1)	3
2045	0.00%	0	70	2	64	2	60	(1)	4	0	0	0	(1)	3
2046	0.00%	0	70	2	66	2	63	(1)	4	0	0	0	(1)	2
2047	0.00%	0	70	2	69	2	65	(1)	4	0	0	0	(1)	1
2048	0.00%	0	70	2	71	2	67	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2019	3.75%	3	0	69	2	(1)	72	69	71
2020	7.22%	5	1	66	5	0	69	66	68
2021	6.68%	5	1	64	7	1	66	63	64
2022	6.18%	4	1	61	9	2	63	59	61
2023	5.71%	4	1	59	12	3	59	56	58
2024	5.29%	4	1	57	14	3	56	53	55
2025	4.89%	3	0	54	17	4	53	51	52
2026	4.52%	3	0	52	19	4	51	48	49
2027	4.46%	3	0	50	21	4	48	45	47
2028	4.46%	3	0	47	24	5	45	43	44
2029	4.46%	3	0	45	26	5	43	40	41
2030	4.46%	3	0	43	28	5	40	37	39
2031	4.46%	3	0	40	31	6	37	34	36
2032	4.46%	3	0	38	33	6	34	32	33
2033	4.46%	3	0	35	35	6	32	29	30
2034	4.46%	3	0	33	38	7	29	26	28
2035	4.46%	3	0	31	40	7	26	24	25
2036	4.46%	3	0	28	43	7	24	21	22
2037	4.46%	3	0	26	45	8	21	18	20
2038	4.46%	3	0	24	47	8	18	16	17
2039	2.23%	2	(0)	21	50	8	16	13	15
2040	0.00%	0	(1)	19	52	7	13	12	13
2041	0.00%	0	(1)	17	54	6	12	10	11
2042	0.00%	0	(1)	14	57	5	10	9	10
2043	0.00%	0	(1)	12	59	4	9	7	8
2044	0.00%	0	(1)	9	61	3	7	6	7
2045	0.00%	0	(1)	7	64	3	6	4	5
2046	0.00%	0	(1)	5	66	2	4	3	4
2047	0.00%	0	(1)	2	69	1	3	1	2
2048	0.00%	0	(1)	0	71	0	1	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04	67.66	53.39	(12.87)	923.05
		BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	66	66	66	
EQUITY AFUDC	4			
DEBT AFUDC	2	2		
CPI			4	
TOTAL	71	67	70	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME:

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	2	3	4	0	4
2023	4	5	6	0	5
2024	4	5	7	0	6
2025	4	6	8	0	6
2026	5	6	9	0	7
2027	5	7	9	0	8
2028	6	7	10	0	9
2029	6	8	11	0	10
2030	7	9	13	0	10
2031	7	10	14	0	12
2032	8	11	15	0	13
2033	9	12	17	0	14
2034	10	13	18	0	15
2035	11	14	20	0	16
2036	12	15	21	0	18
2037	13	17	23	0	19
2038	14	18	25	0	21
2039	15	19	27	0	22
2040	16	21	29	0	24
2041	17	23	31	0	26
2042	19	24	34	0	28
2043	20	26	36	0	30
2044	21	28	39	0	32
2045	23	30	42	0	35
2046	24	32	45	0	37
2047	26	34	48	0	39
2048	28	36	51	0	42
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	335	439	613	0	509
NPV	60	79	110	0	92

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	160	0	160	0	0	35	0	35	(126)	(117)
2016	0	0	0	0	0	0	3	127	0	130	130	(4)
2017	0	0	0	0	0	0	3	94	0	97	97	74
2018	0	0	0	0	0	0	3	124	0	126	126	168
2019	0	0	0	0	0	13	3	160	0	176	176	291
2020	0	0	0	0	0	11	2	154	0	168	168	399
2021	0	0	0	0	0	11	2	143	0	156	156	494
2022	0	0	0	0	0	12	2	142	4	160	160	583
2023	0	0	0	0	0	12	2	150	5	170	170	672
2024	0	0	0	0	0	12	2	128	6	147	147	743
2025	0	0	0	0	0	12	2	149	6	170	170	820
2026	0	0	0	0	0	12	2	127	7	149	149	882
2027	0	0	0	0	0	12	2	144	8	166	166	947
2028	0	0	221	0	221	13	2	132	9	155	(66)	923
2029	0	0	0	0	0	12	2	119	10	143	143	971
2030	0	0	0	0	0	12	2	119	10	144	144	1,016
2031	0	0	0	0	0	12	2	130	12	155	155	1,061
2032	0	0	0	0	0	12	2	94	13	121	121	1,094
2033	0	0	0	0	0	12	2	130	14	157	157	1,134
2034	0	0	0	0	0	12	2	100	15	128	128	1,164
2035	0	0	0	0	0	12	2	91	16	121	121	1,190
2036	0	0	0	0	0	12	2	104	18	135	135	1,218
2037	0	0	0	0	0	12	2	108	19	141	141	1,244
2038	0	0	0	0	0	12	2	105	21	139	139	1,269
2039	0	0	0	0	0	12	2	100	22	136	136	1,291
2040	0	0	0	0	0	12	2	101	24	139	139	1,312
2041	0	1	304	0	305	12	2	107	26	146	(158)	1,290
2042	0	0	0	0	0	12	2	119	28	161	161	1,311
2043	0	0	0	0	0	12	2	116	30	160	160	1,330
2044	0	0	0	0	0	12	2	123	32	169	169	1,350
2045	0	0	0	0	0	12	2	120	35	169	169	1,367
2046	0	0	0	0	0	12	2	112	37	163	163	1,383
2047	0	0	0	0	0	12	1	119	39	173	173	1,399
2048	0	0	0	0	0	12	1	135	42	191	191	1,416
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	1	685	0	686	360	64	4,061	509	4,993	4,308	
NPV	0	1	272	0	272	106	24	1,466	92	1,688	1,416	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 6.20

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	30.05 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	39.51261 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	207,246.70 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0	0	0	0	0
2015	0	6	0	6	4	2	62	0	0	62
2016	0	0	0	0	9	5	0	0	0	0
2017	0	0	0	0	9	5	0	0	0	0
2018	0	0	0	0	11	5	0	0	0	0
2019	0	0	0	0	11	5	0	0	0	0
2020	0	0	0	0	12	5	0	0	0	0
2021	0	0	0	0	12	6	0	0	0	0
2022	0	0	0	0	12	6	0	0	0	0
2023	0	0	0	0	13	5	0	0	0	0
2024	0	0	0	0	13	5	0	0	0	0
2025	0	0	0	0	13	5	0	0	0	0
2026	0	0	0	0	14	5	0	0	0	0
2027	0	0	0	0	14	5	0	0	0	0
2028	0	0	0	0	15	5	0	0	0	0
2029	0	0	0	0	15	5	0	0	0	0
2030	0	0	0	0	16	5	0	0	0	0
2031	0	6	0	7	16	5	92	7	0	92
2032	0	0	0	0	17	5	0	0	0	0
2033	0	0	0	0	18	5	0	0	0	0
2034	0	0	0	0	19	6	0	0	0	0
2035	0	0	0	0	20	6	0	0	0	0
2036	0	0	0	0	22	6	0	0	0	0
2037	0	0	0	0	22	6	0	0	0	0
2038	0	0	0	0	23	6	0	0	0	0
2039	0	0	0	0	24	6	0	0	0	0
2040	0	0	0	0	25	6	0	0	0	0
2041	0	0	0	0	26	6	0	0	0	0
2042	0	0	0	0	28	6	0	0	0	0
2043	0	0	0	0	29	6	0	0	0	0
2044	0	0	0	0	31	6	0	0	0	0
2045	0	0	0	0	32	6	0	0	0	0
2046	0	0	0	0	34	6	0	0	0	0
2047	1	6	0	7	36	6	136	0	0	136
2048	0	0	0	0	38	6	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
NOM	1	19	0	20	656	184	289	0	0	289
NPV	0	8	0	9	174	62	97	0	0	97

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	BEG-YEAR RATE BASE \$(000)	DEBT \$(000)	PREFERRED STOCK \$(000)	COMMON EQUITY \$(000)	INCOME TAXES \$(000)	PROPERTY TAX \$(000)	PROPERTY INSURANCE \$(000)	DEPREC. \$(000)	DEFERRED TAXES \$(000)	TOTAL FIXED CHARGES \$(000)	PRESENT WORTH FIXED CHARGES \$(000)	CUMULATIVE PW FIXED CHARGES \$(000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	37	1	0	2	1	1	0	1	0	6	6	6	36
2020	36	1	0	2	1	1	0	1	1	6	6	12	37
2021	34	1	0	2	1	1	0	1	0	6	5	17	38
2022	32	1	0	2	1	1	0	1	0	6	5	22	39
2023	31	1	0	2	1	1	0	1	0	6	4	26	40
2024	29	1	0	2	1	1	0	1	0	5	4	30	41
2025	28	1	0	2	1	1	0	1	0	5	3	33	42
2026	26	1	0	2	1	0	0	1	0	5	3	36	43
2027	25	1	0	2	1	0	0	1	0	5	3	39	44
2028	23	0	0	1	1	0	0	1	0	5	2	41	46
2029	22	0	0	1	1	0	0	1	0	4	2	44	47
2030	21	0	0	1	1	0	0	1	0	4	2	45	48
2031	19	0	0	1	1	0	0	1	0	4	2	47	49
2032	18	0	0	1	1	0	0	1	0	4	1	49	50
2033	16	0	0	1	1	0	0	1	0	4	1	50	52
2034	15	0	0	1	0	0	0	1	0	3	1	51	53
2035	14	0	0	1	0	0	0	1	0	3	1	52	54
2036	12	0	0	1	0	0	0	1	0	3	1	53	55
2037	11	0	0	1	0	0	0	1	0	3	1	54	57
2038	9	0	0	1	0	0	0	1	0	3	1	54	58
2039	8	0	0	1	0	0	0	1	(0)	2	1	55	60
2040	7	0	0	0	1	0	0	1	(0)	2	1	55	61
2041	6	0	0	0	1	0	0	1	(0)	2	0	56	63
2042	5	0	0	0	1	0	0	1	(0)	2	0	56	64
2043	5	0	0	0	1	0	0	1	(0)	2	0	57	66
2044	4	0	0	0	1	0	0	1	(0)	2	0	57	68
2045	3	0	0	0	1	0	0	1	(0)	2	0	57	69
2046	2	0	0	0	1	0	0	1	(0)	2	0	57	71
2047	2	0	0	0	1	0	0	1	(0)	2	0	58	73
2048	1	0	0	0	1	0	0	1	(0)	1	0	58	75

IN SERVICE COST (\$000)	36
IN SERVICE YEAR	2019
BOOK LIFE (YRS)	30
EFFEC. TAX RATE	38.575
DISCOUNT RATE	7.5%
PROPERTY TAX	1.82%
PROPERTY INSURANCE	0.05%

SOURCE	WEIGHT	COST
DEBT	40%	5.05
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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 DEPR \$(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)
2019	3.75%	1	1	1	1	1	1	0	2	0	0	0	0	(0)
2020	7.22%	3	4	1	2	1	2	1	2	0	0	0	1	0
2021	6.68%	2	6	1	4	1	3	0	2	0	0	0	0	1
2022	6.18%	2	9	1	5	1	5	0	2	0	0	0	0	1
2023	5.71%	2	11	1	6	1	6	0	2	0	0	0	0	1
2024	5.29%	2	13	1	7	1	7	0	2	0	0	0	0	2
2025	4.89%	2	14	1	9	1	8	0	2	0	0	0	0	2
2026	4.52%	2	16	1	10	1	9	0	2	0	0	0	0	2
2027	4.46%	2	17	1	11	1	10	0	2	0	0	0	0	2
2028	4.46%	2	19	1	12	1	12	0	2	0	0	0	0	2
2029	4.46%	2	21	1	13	1	13	0	2	0	0	0	0	3
2030	4.46%	2	22	1	15	1	14	0	2	0	0	0	0	3
2031	4.46%	2	24	1	16	1	15	0	2	0	0	0	0	3
2032	4.46%	2	25	1	17	1	16	0	2	0	0	0	0	3
2033	4.46%	2	27	1	18	1	17	0	2	0	0	0	0	3
2034	4.46%	2	29	1	19	1	18	0	2	0	0	0	0	3
2035	4.46%	2	30	1	21	1	20	0	2	0	0	0	0	4
2036	4.46%	2	32	1	22	1	21	0	2	0	0	0	0	4
2037	4.46%	2	34	1	23	1	22	0	2	0	0	0	0	4
2038	4.46%	2	35	1	24	1	23	0	2	0	0	0	0	4
2039	2.23%	1	36	1	26	1	24	(0)	2	0	0	0	(0)	4
2040	0.00%	0	36	1	27	1	25	(0)	2	0	0	0	(0)	4
2041	0.00%	0	36	1	28	1	27	(0)	2	0	0	0	(0)	3
2042	0.00%	0	36	1	29	1	28	(0)	2	0	0	0	(0)	3
2043	0.00%	0	36	1	30	1	29	(0)	2	0	0	0	(0)	2
2044	0.00%	0	36	1	32	1	30	(0)	2	0	0	0	(0)	2
2045	0.00%	0	36	1	33	1	31	(0)	2	0	0	0	(0)	1
2046	0.00%	0	36	1	34	1	32	(0)	2	0	0	0	(0)	1
2047	0.00%	0	36	1	35	1	33	(0)	2	0	0	0	(0)	0
2048	0.00%	0	36	1	36	1	35	(0)	2	0	0	0	(0)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	2
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	1	0	35	1	(0)	37	36	36
2020	7.22%	3	1	34	2	0	36	34	35
2021	6.68%	2	0	33	4	1	34	32	33
2022	6.18%	2	0	32	5	1	32	31	31
2023	5.71%	2	0	30	6	1	31	29	30
2024	5.29%	2	0	29	7	2	29	28	28
2025	4.89%	2	0	28	9	2	28	26	27
2026	4.52%	2	0	27	10	2	26	25	25
2027	4.46%	2	0	26	11	2	25	23	24
2028	4.46%	2	0	24	12	2	23	22	23
2029	4.46%	2	0	23	13	3	22	21	21
2030	4.46%	2	0	22	15	3	21	19	20
2031	4.46%	2	0	21	16	3	19	18	18
2032	4.46%	2	0	19	17	3	18	16	17
2033	4.46%	2	0	18	18	3	16	15	16
2034	4.46%	2	0	17	19	3	15	14	14
2035	4.46%	2	0	16	21	4	14	12	13
2036	4.46%	2	0	15	22	4	12	11	11
2037	4.46%	2	0	13	23	4	11	9	10
2038	4.46%	2	0	12	24	4	9	8	9
2039	2.23%	1	(0)	11	26	4	8	7	7
2040	0.00%	0	(0)	10	27	4	7	6	7
2041	0.00%	0	(0)	9	28	3	6	5	6
2042	0.00%	0	(0)	7	29	3	5	5	5
2043	0.00%	0	(0)	6	30	2	5	4	4
2044	0.00%	0	(0)	5	32	2	4	3	3
2045	0.00%	0	(0)	4	33	1	3	2	3
2046	0.00%	0	(0)	2	34	1	2	2	2
2047	0.00%	0	(0)	1	35	0	2	1	1
2048	0.00%	0	(0)	0	36	0	1	0	0

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

(8)	(8a)*	(8b)*	(9)	(9a)*	(9b)*	(9c)*	(9d)*	(9e)*	(10)	(11)	
NO. YEARS BEFORE IN-SERVICE	CUMULATIVE SPENDING WITH AFUDC (\$/kW)	DEBT AFUDC (\$/kW)	CUMULATIVE DEBT AFUDC (\$/kW)	YEARLY TOTAL AFUDC (\$/kW)	CUMULATIVE TOTAL AFUDC (\$/kW)	CONSTRUCTION PERIOD INTEREST (\$/kW)	CUMULATIVE CPI	DEFERRED TAXES (\$/kW)	CUMULATIVE DEFERRED TAXES (\$/kW)	INCREMENTAL YEAR-END BOOK VALUE (\$/kW)	CUMULATIVE YEAR-END BOOK VALUE (\$/kW)
2014	-5	0.41	0.01	0.01	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04	67.66	53.39	(12.87)	923.05
	BOOK BASIS	BOOK BASIS FOR DEFT AX	TAX BASIS	
CONSTRUCTION CASH	34	34	34	
EQUITY AFUDC	2			
DEBT AFUDC	1	1		
CPI			2	
TOTAL	36	35	36	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,2845
AFUDC RATE	6.34%

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.58	4.49	0.00	1.00	1.00
2016	1	1	4.92	13.40	4.97	0.00	1.00	1.00
2017	1	1	4.27	9.98	4.30	0.00	1.00	1.00
2018	1	1	5.27	13.10	5.31	0.00	1.00	1.00
2019	1	1	5.38	16.69	5.42	5.05	1.00	1.00
2020	1	1	5.65	16.15	5.69	5.04	1.00	1.00
2021	1	1	5.65	15.04	5.69	5.11	1.00	1.00
2022	1	1	5.60	14.99	5.63	5.07	1.00	1.00
2023	1	1	5.60	15.75	5.63	5.17	1.00	1.00
2024	1	1	5.81	13.56	5.84	5.46	1.00	1.00
2025	1	1	5.98	15.76	6.01	5.61	1.00	1.00
2026	1	1	5.73	13.51	5.76	5.73	1.00	1.00
2027	1	1	6.01	15.25	6.05	6.01	1.00	1.00
2028	1	1	6.07	14.05	6.11	6.10	1.00	1.00
2029	1	1	6.28	12.85	6.32	6.40	1.00	1.00
2030	1	1	6.34	12.83	6.38	6.40	1.00	1.00
2031	1	1	6.57	13.93	6.60	6.72	1.00	1.00
2032	1	1	6.62	10.43	6.65	6.79	1.00	1.00
2033	1	1	6.97	13.98	6.99	7.12	1.00	1.00
2034	1	1	7.05	11.02	7.07	7.32	1.00	1.00
2035	1	1	7.19	10.16	7.21	7.51	1.00	1.00
2036	1	1	7.47	11.48	7.48	7.70	1.00	1.00
2037	1	1	7.68	11.95	7.70	8.03	1.00	1.00
2038	1	1	7.94	11.69	7.96	8.32	1.00	1.00
2039	1	1	8.12	11.20	8.14	8.48	1.00	1.00
2040	1	1	8.35	11.41	8.36	8.85	1.00	1.00
2041	1	1	8.67	12.00	8.68	9.11	1.00	1.00
2042	1	1	8.99	13.22	9.00	9.45	1.00	1.00
2043	1	1	9.27	13.00	9.29	9.80	1.00	1.00
2044	1	1	9.60	13.80	9.62	10.24	1.00	1.00
2045	1	1	9.94	13.55	9.96	10.56	1.00	1.00
2046	1	1	10.25	12.80	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.55	10.59	11.25	1.00	1.00
2048	1	1	11.00	15.19	11.02	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	6	3	0	7	10	7
2020	6	3	0	13	17	6
2021	6	3	0	14	17	6
2022	6	3	0	14	17	6
2023	6	3	0	15	17	6
2024	5	3	0	15	18	6
2025	5	3	0	16	18	6
2026	5	3	0	16	18	6
2027	5	3	0	16	18	6
2028	5	3	0	17	19	6
2029	4	3	0	18	20	6
2030	4	3	0	18	20	6
2031	4	4	0	19	21	6
2032	4	4	0	20	21	6
2033	4	4	0	20	22	6
2034	3	4	0	21	23	6
2035	3	4	0	22	23	6
2036	3	4	0	23	24	6
2037	3	4	0	24	25	6
2038	3	4	0	25	26	6
2039	2	4	0	26	26	6
2040	2	4	0	27	28	6
2041	2	4	0	27	28	6
2042	2	5	0	29	29	6
2043	2	5	0	30	30	6
2044	2	5	0	31	32	6
2045	2	5	0	32	33	6
2046	2	5	0	33	34	6
2047	2	5	0	34	35	6
2048	1	5	0	36	36	6
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	109	115	10	656	704	185
NPV	40	30	3	158	176	54

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	9	0
2016	1	0	1	0	0	0	31	0
2017	1	0	1	0	0	0	23	0
2018	1	0	1	0	0	0	30	0
2019	1	0	1	0	0	0	39	0
2020	1	0	1	0	0	0	38	0
2021	1	0	1	0	0	0	35	0
2022	1	0	1	0	0	0	35	0
2023	1	0	1	0	0	0	37	0
2024	1	0	1	0	0	0	31	0
2025	1	0	1	0	0	0	37	0
2026	1	0	1	0	0	0	31	0
2027	1	0	1	0	0	0	36	0
2028	1	0	1	0	0	0	32	0
2029	1	0	1	0	0	0	29	0
2030	1	0	1	0	0	0	29	0
2031	1	0	1	0	0	0	32	0
2032	1	0	1	0	0	0	23	0
2033	1	0	1	0	0	0	32	0
2034	0	0	1	0	0	0	25	0
2035	0	0	1	0	0	0	22	0
2036	0	0	1	0	0	0	25	0
2037	0	0	1	0	0	0	27	0
2038	0	0	1	0	0	0	26	0
2039	0	0	1	0	0	0	25	0
2040	0	0	1	0	0	0	25	0
2041	0	0	1	0	0	0	26	0
2042	0	0	1	0	0	0	29	0
2043	0	0	1	0	0	0	29	0
2044	0	0	1	0	0	0	30	0
2045	0	0	1	0	0	0	30	0
2046	0	0	1	0	0	0	28	0
2047	0	0	1	0	0	0	29	0
2048	0	0	1	0	0	0	33	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	19	7	27	2	4	6	1,000	0
NPV	8	2	10	1	1	2	361	0

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

TOTAL RESOURCE COST TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	62	0	62	0	0	9	0	9	(53)	(50)
2016	0	0	0	0	0	0	1	31	0	33	33	(21)
2017	0	0	0	0	0	0	1	23	0	24	24	(2)
2018	0	0	0	0	0	0	1	30	0	32	32	22
2019	0	0	0	0	0	7	1	39	0	48	48	55
2020	0	0	0	0	0	6	1	38	0	45	45	85
2021	0	0	0	0	0	6	1	35	0	42	42	110
2022	0	0	0	0	0	6	1	35	1	43	43	134
2023	0	0	0	0	0	6	1	37	1	45	45	158
2024	0	0	0	0	0	6	1	31	1	40	40	177
2025	0	0	0	0	0	6	1	37	1	45	45	197
2026	0	0	0	0	0	6	1	31	1	40	40	214
2027	0	0	0	0	0	6	1	36	2	44	44	231
2028	0	0	0	0	0	6	1	32	2	42	42	246
2029	0	0	0	0	0	6	1	29	2	38	38	259
2030	0	0	0	0	0	6	1	29	2	39	39	271
2031	0	0	92	0	92	6	1	32	2	41	(51)	256
2032	0	0	0	0	0	6	1	23	2	33	33	265
2033	0	0	0	0	0	6	1	32	3	42	42	276
2034	0	0	0	0	0	6	1	25	3	34	34	284
2035	0	0	0	0	0	6	1	22	3	32	32	291
2036	0	0	0	0	0	6	1	25	3	36	36	298
2037	0	0	0	0	0	6	1	27	4	37	37	305
2038	0	0	0	0	0	6	1	26	4	37	37	312
2039	0	0	0	0	0	6	1	25	4	36	36	318
2040	0	0	0	0	0	6	1	25	5	37	37	323
2041	0	0	0	0	0	6	1	26	5	38	38	329
2042	0	0	0	0	0	6	1	29	5	42	42	334
2043	0	0	0	0	0	6	1	29	6	41	41	339
2044	0	0	0	0	0	6	1	30	6	43	43	344
2045	0	0	0	0	0	6	1	30	7	43	43	349
2046	0	0	0	0	0	6	1	28	7	42	42	353
2047	0	1	136	0	137	6	1	29	8	44	(93)	344
2048	0	0	0	0	0	6	1	33	8	48	48	348
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	289	0	291	185	33	1,000	97	1,315	1,025	
NPV	0	0	97	0	97	54	13	361	18	445	348	

Discount Rate: 7.51 %
 Benefit/Cost Ratio (Col(11) / Col(6)) : 4.59

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	8	0	6	0	14	62	0	0	62	(48)	(45)
2016	16	0	0	0	16	0	0	0	0	16	(31)
2017	16	0	0	0	16	0	0	0	0	16	(18)
2018	18	0	0	0	18	0	0	0	0	18	(5)
2019	19	0	0	0	19	0	0	0	0	19	8
2020	19	0	0	0	19	0	0	0	0	19	21
2021	20	0	0	0	20	0	0	0	0	20	33
2022	20	0	0	0	20	0	0	0	0	20	44
2023	21	0	0	0	21	0	0	0	0	21	55
2024	21	0	0	0	21	0	0	0	0	21	65
2025	21	0	0	0	21	0	0	0	0	21	75
2026	22	0	0	0	22	0	0	0	0	22	84
2027	22	0	0	0	22	0	0	0	0	22	93
2028	23	0	0	0	23	0	0	0	0	23	101
2029	23	0	0	0	23	0	0	0	0	23	109
2030	24	0	0	0	24	0	0	0	0	24	117
2031	25	0	6	0	31	92	0	0	92	(61)	99
2032	26	0	0	0	26	0	0	0	0	26	106
2033	28	0	0	0	28	0	0	0	0	28	113
2034	29	0	0	0	29	0	0	0	0	29	120
2035	30	0	0	0	30	0	0	0	0	30	126
2036	32	0	0	0	32	0	0	0	0	32	133
2037	33	0	0	0	33	0	0	0	0	33	139
2038	34	0	0	0	34	0	0	0	0	34	145
2039	35	0	0	0	35	0	0	0	0	35	150
2040	36	0	0	0	36	0	0	0	0	36	156
2041	38	0	0	0	38	0	0	0	0	38	161
2042	39	0	0	0	39	0	0	0	0	39	167
2043	41	0	0	0	41	0	0	0	0	41	172
2044	43	0	0	0	43	0	0	0	0	43	177
2045	45	0	0	0	45	0	0	0	0	45	181
2046	47	0	0	0	47	0	0	0	0	47	186
2047	49	0	6	0	56	136	0	0	136	(80)	179
2048	52	0	0	0	52	0	0	0	0	52	183
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	975	0	19	0	994	289	0	0	289	704	
NPV	271	0	8	0	280	97	0	0	97	183	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) **2.89**

RATE IMPACT TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	6	7	0	13	9	0	0	0	0	(5)	(4)
2016	0	0	0	14	0	14	31	1	0	0	33	19	12
2017	0	0	0	14	0	14	23	1	0	0	24	10	20
2018	0	0	0	15	0	15	30	1	0	0	32	16	33
2019	0	0	0	17	0	17	46	1	0	0	48	31	54
2020	0	0	0	17	0	17	44	1	0	0	45	28	72
2021	0	0	0	17	0	17	41	1	0	0	42	25	87
2022	0	0	0	18	0	18	41	1	0	1	43	25	101
2023	0	0	0	18	0	18	43	1	0	1	45	27	116
2024	0	0	0	19	0	19	37	1	0	1	40	21	126
2025	0	0	0	19	0	19	43	1	0	1	45	27	138
2026	0	0	0	19	0	19	38	1	0	1	40	21	147
2027	0	0	0	19	0	19	42	1	0	2	44	25	156
2028	0	0	0	20	0	20	39	1	0	2	42	22	164
2029	0	0	0	20	0	20	36	1	0	2	38	18	170
2030	0	0	0	21	0	21	36	1	0	2	39	18	176
2031	0	0	6	21	0	28	38	1	0	2	41	13	180
2032	0	0	0	22	0	22	29	1	0	2	33	10	182
2033	0	0	0	24	0	24	38	1	0	3	42	18	187
2034	0	0	0	25	0	25	31	1	0	3	34	10	189
2035	0	0	0	26	0	26	28	1	0	3	32	7	191
2036	0	0	0	27	0	27	32	1	0	3	36	9	192
2037	0	0	0	28	0	28	33	1	0	4	37	9	194
2038	0	0	0	29	0	29	32	1	0	4	37	7	195
2039	0	0	0	30	0	30	31	1	0	4	36	6	196
2040	0	0	0	31	0	31	31	1	0	5	37	5	197
2041	0	0	0	32	0	32	32	1	0	5	38	6	198
2042	0	0	0	34	0	34	35	1	0	5	42	8	199
2043	0	0	0	35	0	35	35	1	0	6	41	6	200
2044	0	0	0	37	0	37	36	1	0	6	43	7	200
2045	0	0	0	39	0	39	36	1	0	7	43	5	201
2046	0	0	0	40	0	40	34	1	0	7	42	2	201
2047	0	1	6	42	0	49	36	1	0	8	44	(5)	201
2048	0	0	0	44	0	44	40	1	0	8	48	5	201
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
NOM.	0	1	19	841	0	860	1,185	33	0	97	1,315	-455	
NPV	0	0	8	236	0	244	415	13	0	18	445	201	

Discount Rate 7.51 %
 Benefit/Cost Ratio (Col(12) / Col(7)) : 1.82

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	149.00 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	195.92597 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	1,384,948.15 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	0.00 \$/kW
(6) BASE YEAR DISTRIBUTION COST	0.00 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	0.00 \$/kW
(11) DISTRIBUTION FIXED O & M COST	0.00 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0	0	0	0	
2015	1	31	0	31	24	5	530	0	530	
2016	0	0	0	0	49	10	0	0	0	
2017	0	0	0	0	50	11	0	0	0	
2018	0	0	0	0	57	11	0	0	0	
2019	0	0	0	0	63	12	0	0	0	
2020	0	0	0	0	64	14	0	0	0	
2021	0	0	0	0	65	15	0	0	0	
2022	0	0	0	0	66	14	0	0	0	
2023	0	0	0	0	69	9	0	0	0	
2024	0	0	0	0	71	9	0	0	0	
2025	0	0	0	0	73	8	0	0	0	
2026	0	0	0	0	76	7	0	0	0	
2027	0	0	0	0	78	7	0	0	0	
2028	0	0	0	0	81	7	0	0	0	
2029	0	0	0	0	84	8	0	0	0	
2030	1	31	0	31	87	8	768	0	768	
2031	0	0	0	0	90	8	0	0	0	
2032	0	0	0	0	95	8	0	0	0	
2033	0	0	0	0	104	8	0	0	0	
2034	0	0	0	0	109	8	0	0	0	
2035	0	0	0	0	113	8	0	0	0	
2036	0	0	0	0	123	8	0	0	0	
2037	0	0	0	0	128	8	0	0	0	
2038	0	0	0	0	134	8	0	0	0	
2039	0	0	0	0	140	8	0	0	0	
2040	0	0	0	0	146	8	0	0	0	
2041	0	0	0	0	153	8	0	0	0	
2042	0	0	0	0	160	8	0	0	0	
2043	0	0	0	0	171	8	0	0	0	
2044	0	0	0	0	180	8	0	0	0	
2045	1	31	0	32	190	8	1,112	0	1,112	
2046	0	0	0	0	200	8	0	0	0	
2047	0	0	0	0	211	8	0	0	0	
2048	0	0	0	0	222	8	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
NOM	2	92	0	94	3,724	300	2,409	0	2,409	
NPV	1	41	0	42	966	115	852	0	852	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	BEG-YEAR	DEBT	PREFERRED	COMMON	INCOME	PROPERTY	PROPERTY	DEPREC.	DEFERRED	TOTAL	PRESENT	CUMULATIVE	REPLACEMENT
YEAR	RATE BASE	\$ (000)	STOCK	EQUITY	TAXES	TAX	INSURANCE	\$ (000)	TAXES	FIXED	WORTH	PW FIXED	COST BASIS
	\$ (000)		\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	\$ (000)	CHARGES	FIXED	CHARGES	FOR
										\$ (000)	\$ (000)	\$ (000)	PROPERTY
													INSURANCE
													\$ (000)
2019	183	4	0	11	7	3	0	6	0	32	32	32	181
2020	177	4	0	11	4	3	0	6	3	31	29	61	185
2021	168	3	0	11	4	3	0	6	2	30	26	87	190
2022	160	3	0	10	4	3	0	6	2	29	23	110	195
2023	152	3	0	9	4	3	0	6	2	28	21	130	200
2024	144	3	0	9	4	3	0	6	1	27	18	149	205
2025	137	3	0	9	4	3	0	6	1	26	17	165	210
2026	129	3	0	8	4	2	0	6	1	25	15	180	215
2027	122	2	0	8	4	2	0	6	1	24	13	193	220
2028	116	2	0	7	4	2	0	6	1	23	12	205	226
2029	109	2	0	7	4	2	0	6	1	22	11	216	232
2030	102	2	0	6	3	2	0	6	1	21	9	225	237
2031	95	2	0	6	3	2	0	6	1	20	8	233	243
2032	88	2	0	6	3	2	0	6	1	19	7	241	249
2033	81	2	0	5	3	2	0	6	1	18	7	247	256
2034	74	2	0	5	2	2	0	6	1	17	6	253	262
2035	67	1	0	4	2	1	0	6	1	16	5	258	268
2036	60	1	0	4	2	1	0	6	1	15	4	263	275
2037	54	1	0	3	1	1	0	6	1	14	4	266	282
2038	47	1	0	3	1	1	0	6	1	13	3	270	289
2039	40	1	0	2	2	1	0	6	(1)	12	3	273	296
2040	34	1	0	2	4	1	0	6	(2)	11	3	275	304
2041	31	1	0	2	4	1	0	6	(2)	11	2	277	311
2042	27	1	0	2	3	1	0	6	(2)	10	2	279	319
2043	23	0	0	1	3	1	0	6	(2)	10	2	281	327
2044	19	0	0	1	3	0	0	6	(2)	9	2	282	335
2045	15	0	0	1	3	0	0	6	(2)	9	1	284	344
2046	11	0	0	1	3	0	0	6	(2)	8	1	285	352
2047	8	0	0	0	3	0	0	6	(2)	7	1	286	361
2048	4	0	0	0	3	(0)	0	6	(2)	7	1	287	370

IN SERVICE COST	(S000)	181
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	7	7	6	6	6	6	0	9	0	0	0	0	(2)
2020	7.22%	13	20	6	12	6	11	3	9	0	0	0	3	1
2021	6.68%	12	31	6	18	6	17	2	9	0	0	0	2	3
2022	6.18%	11	42	6	24	6	23	2	9	0	0	0	2	5
2023	5.71%	10	53	6	30	6	29	2	9	0	0	0	2	7
2024	5.29%	9	62	6	36	6	34	1	9	0	0	0	1	8
2025	4.89%	9	71	6	42	6	40	1	9	0	0	0	1	9
2026	4.52%	8	79	6	48	6	46	1	9	0	0	0	1	10
2027	4.46%	8	87	6	54	6	51	1	9	0	0	0	1	11
2028	4.46%	8	95	6	60	6	57	1	9	0	0	0	1	12
2029	4.46%	8	103	6	66	6	63	1	9	0	0	0	1	13
2030	4.46%	8	111	6	72	6	69	1	9	0	0	0	1	14
2031	4.46%	8	118	6	78	6	74	1	9	0	0	0	1	15
2032	4.46%	8	126	6	84	6	80	1	9	0	0	0	1	15
2033	4.46%	8	134	6	90	6	86	1	9	0	0	0	1	16
2034	4.46%	8	142	6	96	6	91	1	9	0	0	0	1	17
2035	4.46%	8	150	6	102	6	97	1	9	0	0	0	1	18
2036	4.46%	8	158	6	109	6	103	1	9	0	0	0	1	19
2037	4.46%	8	166	6	115	6	109	1	9	0	0	0	1	20
2038	4.46%	8	174	6	121	6	114	1	9	0	0	0	1	21
2039	2.23%	4	178	6	127	6	120	(1)	9	0	0	0	(1)	20
2040	0.00%	0	178	6	133	6	126	(2)	9	0	0	0	(2)	18
2041	0.00%	0	178	6	139	6	131	(2)	9	0	0	0	(2)	15
2042	0.00%	0	178	6	145	6	137	(2)	9	0	0	0	(2)	13
2043	0.00%	0	178	6	151	6	143	(2)	9	0	0	0	(2)	11
2044	0.00%	0	178	6	157	6	149	(2)	9	0	0	0	(2)	9
2045	0.00%	0	178	6	163	6	154	(2)	9	0	0	0	(2)	7
2046	0.00%	0	178	6	169	6	160	(2)	9	0	0	0	(2)	4
2047	0.00%	0	178	6	175	6	166	(2)	9	0	0	0	(2)	2
2048	0.00%	0	178	6	181	6	172	(2)	9	0	0	0	(2)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(3)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	9
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	7	0	175	6	(2)	183	177	180
2020	7.22%	13	3	169	12	1	177	168	173
2021	6.68%	12	2	163	18	3	168	160	164
2022	6.18%	11	2	157	24	5	160	152	156
2023	5.71%	10	2	151	30	7	152	144	148
2024	5.29%	9	1	145	36	8	144	137	140
2025	4.89%	9	1	139	42	9	137	129	133
2026	4.52%	8	1	133	48	10	129	122	126
2027	4.46%	8	1	127	54	11	122	116	119
2028	4.46%	8	1	121	60	12	116	109	112
2029	4.46%	8	1	115	66	13	109	102	105
2030	4.46%	8	1	109	72	14	102	95	98
2031	4.46%	8	1	102	78	15	95	88	91
2032	4.46%	8	1	96	84	15	88	81	85
2033	4.46%	8	1	90	90	16	81	74	78
2034	4.46%	8	1	84	96	17	74	67	71
2035	4.46%	8	1	78	102	18	67	60	64
2036	4.46%	8	1	72	109	19	60	54	57
2037	4.46%	8	1	66	115	20	54	47	50
2038	4.46%	8	1	60	121	21	47	40	43
2039	2.23%	4	(1)	54	127	20	40	34	37
2040	0.00%	0	(2)	48	133	18	34	31	32
2041	0.00%	0	(2)	42	139	15	31	27	29
2042	0.00%	0	(2)	36	145	13	27	23	25
2043	0.00%	0	(2)	30	151	11	23	19	21
2044	0.00%	0	(2)	24	157	9	19	15	17
2045	0.00%	0	(2)	18	163	7	15	11	13
2046	0.00%	0	(2)	12	169	4	11	8	10
2047	0.00%	0	(2)	6	175	2	8	4	6
2048	0.00%	0	(2)	(0)	181	0	4	0	2

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	168	168	168
EQUITY AFUDC	9		
DEBT AFUDC	4	4	
CPI			10
TOTAL	181	172	178

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: ████████████████████

(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
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	32	13	1	37	48	34
2020	31	13	1	66	82	29
2021	30	14	1	67	84	28
2022	29	14	1	69	83	30
2023	28	14	1	72	85	31
2024	27	15	1	76	89	30
2025	26	15	1	79	91	30
2026	25	15	1	78	88	31
2027	24	16	1	81	92	30
2028	23	16	1	85	93	32
2029	22	17	1	88	97	30
2030	21	17	1	89	97	31
2031	20	17	1	93	102	30
2032	19	18	2	97	104	31
2033	18	18	2	102	110	30
2034	17	19	2	106	113	30
2035	16	19	2	109	116	31
2036	15	20	2	113	119	31
2037	14	20	2	118	124	30
2038	13	21	2	122	128	30
2039	12	21	2	127	131	31
2040	11	22	2	132	137	30
2041	11	22	2	136	140	30
2042	10	23	2	142	146	31
2043	10	23	2	146	151	31
2044	9	24	2	153	158	30
2045	9	25	2	158	163	31
2046	8	25	2	164	168	31
2047	7	26	2	169	173	31
2048	7	26	2	177	181	32
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	541	568	49	3,252	3,493	918
NPV	200	147	13	783	872	270

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)
YEAR	AVOIDED GEN UNIT EMISSION BENEFIT \$(000)	REPLACEMENT EMISSION COST \$(000)	PROGRAM EMISSION BENEFIT \$(000)	OFF-PEAK EMISSION PAYBACK COST \$(000)	NET EMISSION BENEFIT \$(000)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	1	0	1
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	6	8	7	0	5
2023	10	12	11	0	8
2024	10	14	12	0	9
2025	11	15	13	0	10
2026	12	16	14	0	11
2027	13	17	16	0	12
2028	14	19	17	0	13
2029	16	20	19	0	14
2030	17	23	21	0	15
2031	19	25	23	0	17
2032	21	28	25	0	18
2033	23	30	28	0	20
2034	25	33	30	0	22
2035	27	36	32	0	24
2036	30	39	35	0	26
2037	32	42	38	0	28
2038	35	46	41	0	30
2039	38	49	44	0	33
2040	41	53	48	0	35
2041	44	58	52	0	38
2042	47	62	56	0	41
2043	51	67	60	0	44
2044	55	72	64	0	47
2045	58	77	69	0	51
2046	62	82	73	0	54
2047	66	87	78	0	58
2048	71	93	83	0	61
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	856	1,121	1,013	0	747
NPV	154	201	183	0	136

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	530	0	531	0	0	64	0	64	(466)	(434)
2016	0	0	0	0	0	0	0	190	1	191	191	(268)
2017	0	0	0	0	0	0	0	160	0	160	160	(140)
2018	0	0	0	0	0	0	0	181	0	181	181	(4)
2019	0	0	0	0	0	34	0	262	0	296	296	202
2020	0	0	0	0	0	29	0	312	0	341	341	423
2021	0	0	0	0	0	28	0	287	0	315	315	613
2022	0	0	0	0	0	30	0	248	5	284	284	772
2023	0	0	0	0	0	31	0	220	8	259	259	907
2024	0	0	0	0	0	30	0	219	9	258	258	1,032
2025	0	0	0	0	0	30	0	278	10	318	318	1,175
2026	0	0	0	0	0	31	0	302	11	344	344	1,319
2027	0	0	0	0	0	30	0	264	12	306	306	1,439
2028	0	0	0	0	0	32	0	269	13	314	314	1,553
2029	0	0	0	0	0	30	0	200	14	245	245	1,635
2030	0	1	768	0	768	31	0	228	15	275	(493)	1,480
2031	0	0	0	0	0	30	0	265	17	312	312	1,571
2032	0	0	0	0	0	31	0	239	18	288	288	1,650
2033	0	0	0	0	0	30	0	247	20	298	298	1,725
2034	0	0	0	0	0	30	0	200	22	252	252	1,784
2035	0	0	0	0	0	31	0	180	24	234	234	1,835
2036	0	0	0	0	0	31	0	268	26	324	324	1,901
2037	0	0	0	0	0	30	0	277	28	335	335	1,964
2038	0	0	0	0	0	30	0	250	30	310	310	2,019
2039	0	0	0	0	0	31	0	205	33	269	269	2,063
2040	0	0	0	0	0	30	0	215	35	281	281	2,105
2041	0	0	0	0	0	30	0	234	38	303	303	2,148
2042	0	0	0	0	0	31	0	278	41	351	351	2,194
2043	0	0	0	0	0	31	0	255	44	330	330	2,235
2044	0	0	0	0	0	30	0	281	47	359	359	2,276
2045	0	1	1,112	0	1,113	31	0	253	51	334	(779)	2,193
2046	0	0	0	0	0	31	0	200	54	285	285	2,221
2047	0	0	0	0	0	31	0	207	58	296	296	2,248
2048	0	0	0	0	0	32	0	286	61	379	379	2,281
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	2	2,409	0	2,412	918	0	8,026	747	9,691	7,279	
NPV	0	1	852	0	852	270	0	2,728	136	3,133	2,281	

Discount Rate:

7.51 %

Benefit/Cost Ratio (Col(11) / Col(6)) :

3.68

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	34	0	31	0	64	530	0	0	530	(466)	(433)
2016	69	0	0	0	69	0	0	0	0	69	(374)
2017	71	0	0	0	71	0	0	0	0	71	(316)
2018	79	0	0	0	79	0	0	0	0	79	(257)
2019	88	0	0	0	88	0	0	0	0	88	(196)
2020	91	0	0	0	91	0	0	0	0	91	(137)
2021	93	0	0	0	93	0	0	0	0	93	(81)
2022	93	0	0	0	93	0	0	0	0	93	(29)
2023	92	0	0	0	92	0	0	0	0	92	19
2024	95	0	0	0	95	0	0	0	0	95	65
2025	96	0	0	0	96	0	0	0	0	96	108
2026	99	0	0	0	99	0	0	0	0	99	150
2027	102	0	0	0	102	0	0	0	0	102	189
2028	105	0	0	0	105	0	0	0	0	105	227
2029	108	0	0	0	108	0	0	0	0	108	264
2030	112	0	31	0	143	768	0	0	768	(625)	68
2031	116	0	0	0	116	0	0	0	0	116	101
2032	122	0	0	0	122	0	0	0	0	122	135
2033	133	0	0	0	133	0	0	0	0	133	168
2034	139	0	0	0	139	0	0	0	0	139	201
2035	144	0	0	0	144	0	0	0	0	144	232
2036	156	0	0	0	156	0	0	0	0	156	264
2037	162	0	0	0	162	0	0	0	0	162	294
2038	170	0	0	0	170	0	0	0	0	170	324
2039	177	0	0	0	177	0	0	0	0	177	353
2040	183	0	0	0	183	0	0	0	0	183	381
2041	192	0	0	0	192	0	0	0	0	192	408
2042	201	0	0	0	201	0	0	0	0	201	435
2043	215	0	0	0	215	0	0	0	0	215	461
2044	226	0	0	0	226	0	0	0	0	226	487
2045	237	0	31	0	268	1,112	0	0	1,112	(844)	397
2046	249	0	0	0	249	0	0	0	0	249	422
2047	262	0	0	0	262	0	0	0	0	262	446
2048	276	0	0	0	276	0	0	0	0	276	470
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
NOM	4,786	0	92	0	4,878	2,409	0	0	2,409	2,469	
NPV	1,280	0	41	0	1,321	852	0	0	852	470	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.55

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ████████████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	31	29	0	60	64	0	0	64	4	4	
2016	0	0	0	59	0	59	190	0	0	191	132	118	
2017	0	0	0	61	0	61	160	0	0	160	99	198	
2018	0	0	0	67	0	67	181	0	0	181	114	283	
2019	0	0	0	75	0	75	296	0	0	296	221	437	
2020	0	0	0	78	0	78	341	0	0	341	263	608	
2021	0	0	0	80	0	80	315	0	0	315	235	749	
2022	0	0	0	80	0	80	279	0	5	284	204	864	
2023	0	0	0	78	0	78	251	0	8	259	181	958	
2024	0	0	0	80	0	80	249	0	9	258	178	1,044	
2025	0	0	0	81	0	81	308	0	10	318	237	1,151	
2026	0	0	0	83	0	83	333	0	11	344	261	1,260	
2027	0	0	0	86	0	86	294	0	12	306	220	1,346	
2028	0	0	0	88	0	88	302	0	13	314	226	1,428	
2029	0	0	0	91	0	91	231	0	14	245	154	1,480	
2030	0	1	31	94	0	126	260	0	15	275	149	1,527	
2031	0	0	0	97	0	97	295	0	17	312	215	1,590	
2032	0	0	0	103	0	103	270	0	18	288	185	1,640	
2033	0	0	0	112	0	112	277	0	20	298	186	1,687	
2034	0	0	0	116	0	116	230	0	22	252	136	1,719	
2035	0	0	0	121	0	121	210	0	24	234	113	1,744	
2036	0	0	0	131	0	131	299	0	26	324	194	1,783	
2037	0	0	0	136	0	136	307	0	28	335	199	1,821	
2038	0	0	0	142	0	142	280	0	30	310	168	1,850	
2039	0	0	0	148	0	148	236	0	33	269	120	1,870	
2040	0	0	0	154	0	154	245	0	35	281	127	1,889	
2041	0	0	0	161	0	161	265	0	38	303	142	1,909	
2042	0	0	0	168	0	168	310	0	41	351	182	1,933	
2043	0	0	0	180	0	180	285	0	44	330	150	1,951	
2044	0	0	0	189	0	189	311	0	47	359	170	1,971	
2045	0	1	31	198	0	230	283	0	51	334	104	1,982	
2046	0	0	0	208	0	208	231	0	54	285	77	1,989	
2047	0	0	0	219	0	219	238	0	58	296	77	1,996	
2048	0	0	0	231	0	231	317	0	61	379	148	2,009	
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	92	4,024	0	4,118	8,944	0	0	747	9,691	5,573	
NPV	0	1	41	1,082	0	1,124	2,997	0	0	136	3,133	2,009	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.79

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	586.50 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	771.21194 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	3,523,079.38 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

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)
2014	1	121	0	122	69	41	750	0	0	750
2015	0	0	0	0	127	81	0	0	0	0
2016	0	0	0	0	130	81	0	0	0	0
2017	0	0	0	0	134	85	0	0	0	0
2018	0	0	0	0	151	86	0	0	0	0
2019	0	0	0	0	166	93	0	0	0	0
2020	0	0	0	0	170	98	0	0	0	0
2021	0	0	0	0	172	104	0	0	0	0
2022	0	0	0	0	175	106	0	0	0	0
2023	0	0	0	0	184	91	0	0	0	0
2024	1	121	0	122	190	91	960	0	0	960
2025	0	0	0	0	195	87	0	0	0	0
2026	0	0	0	0	202	85	0	0	0	0
2027	0	0	0	0	208	85	0	0	0	0
2028	0	0	0	0	215	85	0	0	0	0
2029	0	0	0	0	222	86	0	0	0	0
2030	0	0	0	0	230	86	0	0	0	0
2031	0	0	0	0	237	86	0	0	0	0
2032	0	0	0	0	251	88	0	0	0	0
2033	0	0	0	0	274	90	0	0	0	0
2034	2	121	0	122	286	91	1,229	0	0	1,229
2035	0	0	0	0	298	91	0	0	0	0
2036	0	0	0	0	323	92	0	0	0	0
2037	0	0	0	0	336	93	0	0	0	0
2038	0	0	0	0	352	94	0	0	0	0
2039	0	0	0	0	367	94	0	0	0	0
2040	0	0	0	0	381	95	0	0	0	0
2041	0	0	0	0	399	96	0	0	0	0
2042	0	0	0	0	419	96	0	0	0	0
2043	0	0	0	0	447	97	0	0	0	0
2044	2	121	0	123	470	98	1,573	0	0	1,573
2045	0	0	0	0	494	99	0	0	0	0
2046	0	0	0	0	520	100	0	0	0	0
2047	0	0	0	0	548	101	0	0	0	0
2048	0	0	0	0	577	102	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	6	483	0	489	9,917	3,173	4,512	0	0	4,512
NPV	2	221	0	223	2,676	1,136	1,680	0	0	1,680

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR RATE BASE \$ (000)	DEBT \$ (000)	PREFERRED STOCK \$ (000)	COMMON EQUITY \$ (000)	INCOME TAXES \$ (000)	PROPERTY TAX \$ (000)	PROPERTY INSURANCE \$ (000)	DEPREC. \$ (000)	DEFERRED TAXES \$ (000)	TOTAL FIXED CHARGES \$ (000)	PRESENT WORTH FIXED CHARGES \$ (000)	CUMULATIVE PW FIXED CHARGES \$ (000)	REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$ (000)
2019	723	15	0	45	28	13	0	24	1	126	126	713
2020	698	14	0	44	17	12	0	24	11	123	114	731
2021	663	14	0	42	17	12	0	24	9	118	102	749
2022	630	13	0	39	18	11	0	24	8	114	91	768
2023	598	12	0	37	18	11	0	24	7	109	82	787
2024	568	12	0	36	17	10	0	24	6	105	73	807
2025	538	11	0	34	17	10	0	24	5	101	65	827
2026	510	11	0	32	17	10	0	24	4	97	58	848
2027	483	10	0	30	16	9	0	24	3	93	52	869
2028	456	9	0	29	15	9	0	24	3	90	47	891
2029	428	9	0	27	14	8	0	24	3	86	42	913
2030	401	8	0	25	13	8	0	24	3	82	37	936
2031	374	8	0	23	12	7	1	24	3	78	33	959
2032	347	7	0	22	11	7	1	24	3	75	29	983
2033	320	7	0	20	10	6	1	24	3	71	26	1,008
2034	293	6	0	18	9	6	1	24	3	67	23	1,033
2035	266	6	0	17	8	6	1	24	3	63	20	1,059
2036	238	5	0	15	7	5	1	24	3	60	17	1,085
2037	211	4	0	13	6	5	1	24	3	56	15	1,112
2038	184	4	0	12	5	4	1	24	3	52	13	1,140
2039	157	3	0	10	10	4	1	24	(3)	48	11	1,169
2040	136	3	0	8	15	3	1	24	(9)	45	10	1,198
2041	121	3	0	8	14	3	1	24	(9)	43	9	1,228
2042	106	2	0	7	14	3	1	24	(9)	41	8	1,259
2043	91	2	0	6	13	2	1	24	(9)	39	7	1,290
2044	75	2	0	5	12	2	1	24	(9)	36	6	1,322
2045	60	1	0	4	12	1	1	24	(9)	34	5	1,355
2046	45	1	0	3	11	1	1	24	(9)	32	4	1,389
2047	30	1	0	2	11	0	1	24	(9)	29	4	1,424
2048	15	0	0	1	10	(0)	1	24	(9)	27	3	1,460

IN SERVICE COST	(S000)	713
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	26	26	24	24	23	23	1	38	0	0	0	1	(9)
2020	7.22%	51	77	24	48	23	45	11	38	0	0	0	11	2
2021	6.68%	47	124	24	71	23	68	9	38	0	0	0	9	12
2022	6.18%	43	167	24	95	23	90	8	38	0	0	0	8	20
2023	5.71%	40	207	24	119	23	113	7	38	0	0	0	7	26
2024	5.29%	37	244	24	143	23	135	6	38	0	0	0	6	32
2025	4.89%	34	279	24	166	23	158	5	38	0	0	0	5	37
2026	4.52%	32	310	24	190	23	180	4	38	0	0	0	4	40
2027	4.46%	31	342	24	214	23	203	3	38	0	0	0	3	44
2028	4.46%	31	373	24	238	23	225	3	38	0	0	0	3	47
2029	4.46%	31	404	24	262	23	248	3	38	0	0	0	3	50
2030	4.46%	31	436	24	285	23	270	3	38	0	0	0	3	54
2031	4.46%	31	467	24	309	23	293	3	38	0	0	0	3	57
2032	4.46%	31	498	24	333	23	315	3	38	0	0	0	3	61
2033	4.46%	31	529	24	357	23	338	3	38	0	0	0	3	64
2034	4.46%	31	561	24	380	23	360	3	38	0	0	0	3	67
2035	4.46%	31	592	24	404	23	383	3	38	0	0	0	3	71
2036	4.46%	31	623	24	428	23	405	3	38	0	0	0	3	74
2037	4.46%	31	655	24	452	23	428	3	38	0	0	0	3	77
2038	4.46%	31	686	24	475	23	450	3	38	0	0	0	3	81
2039	2.23%	16	702	24	499	23	473	(3)	38	0	0	0	(3)	78
2040	0.00%	0	702	24	523	23	496	(9)	38	0	0	0	(9)	70
2041	0.00%	0	702	24	547	23	518	(9)	38	0	0	0	(9)	61
2042	0.00%	0	702	24	571	23	541	(9)	38	0	0	0	(9)	52
2043	0.00%	0	702	24	594	23	563	(9)	38	0	0	0	(9)	43
2044	0.00%	0	702	24	618	23	586	(9)	38	0	0	0	(9)	35
2045	0.00%	0	702	24	642	23	608	(9)	38	0	0	0	(9)	26
2046	0.00%	0	702	24	666	23	631	(9)	38	0	0	0	(9)	17
2047	0.00%	0	702	24	689	23	653	(9)	38	0	0	0	(9)	9
2048	0.00%	0	702	24	713	23	676	(9)	38	0	0	0	(9)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(10)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	38
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(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)
2019	3.75%	26	1	689	24	(9)	723	698	711
2020	7.22%	51	11	666	48	2	698	663	681
2021	6.68%	47	9	642	71	12	663	630	647
2022	6.18%	43	8	618	95	20	630	598	614
2023	5.71%	40	7	594	119	26	598	568	583
2024	5.29%	37	6	571	143	32	568	538	553
2025	4.89%	34	5	547	166	37	538	510	524
2026	4.52%	32	4	523	190	40	510	483	496
2027	4.46%	31	3	499	214	44	483	456	469
2028	4.46%	31	3	475	238	47	456	428	442
2029	4.46%	31	3	452	262	50	428	401	415
2030	4.46%	31	3	428	285	54	401	374	388
2031	4.46%	31	3	404	309	57	374	347	361
2032	4.46%	31	3	380	333	61	347	320	333
2033	4.46%	31	3	357	357	64	320	293	306
2034	4.46%	31	3	333	380	67	293	266	279
2035	4.46%	31	3	309	404	71	266	238	252
2036	4.46%	31	3	285	428	74	238	211	225
2037	4.46%	31	3	262	452	77	211	184	198
2038	4.46%	31	3	238	475	81	184	157	170
2039	2.23%	16	(3)	214	499	78	157	136	146
2040	0.00%	0	(9)	190	523	70	136	121	128
2041	0.00%	0	(9)	166	547	61	121	106	113
2042	0.00%	0	(9)	143	571	52	106	91	98
2043	0.00%	0	(9)	119	594	43	91	75	83
2044	0.00%	0	(9)	95	618	35	75	60	68
2045	0.00%	0	(9)	71	642	26	60	45	53
2046	0.00%	0	(9)	48	666	17	45	30	38
2047	0.00%	0	(9)	24	689	9	30	15	23
2048	0.00%	0	(9)	(0)	713	0	15	0	8

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	660	660	660
EQUITY AFUDC	38		
DEBT AFUDC	16	16	
CPI			42
TOTAL	713	676	702

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(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
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	126	51	3	145	190	135
2020	123	52	5	260	325	115
2021	118	53	5	264	330	111
2022	114	55	5	272	327	119
2023	109	56	5	285	333	123
2024	105	58	5	301	351	118
2025	101	59	5	310	357	119
2026	97	61	5	308	348	123
2027	93	62	5	318	360	118
2028	90	64	5	334	365	127
2029	86	65	6	345	382	120
2030	82	67	6	352	383	123
2031	78	68	6	368	403	117
2032	75	70	6	381	410	122
2033	71	72	6	400	432	117
2034	67	74	6	415	444	118
2035	63	76	7	430	455	120
2036	60	77	7	446	469	121
2037	56	79	7	463	487	118
2038	52	81	7	482	505	117
2039	48	83	7	499	515	123
2040	45	86	7	518	537	119
2041	43	88	8	534	553	120
2042	41	90	8	558	573	123
2043	39	92	8	577	595	121
2044	36	94	8	601	622	118
2045	34	97	8	624	641	121
2046	32	99	9	647	662	124
2047	29	102	9	667	683	124
2048	27	104	9	696	712	125
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	2,140	2,235	194	12,800	13,749	3,621
NPV	787	577	50	3,070	3,422	1,061

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	3	0	3
2015	0	0	2	0	2
2016	0	0	2	0	2
2017	0	0	0	0	0
2018	0	0	1	0	1
2019	0	0	1	0	1
2020	0	0	1	0	1
2021	0	0	1	0	1
2022	25	33	19	0	11
2023	37	49	27	0	16
2024	41	54	31	0	18
2025	45	59	33	0	20
2026	47	62	36	0	22
2027	51	67	40	0	24
2028	56	73	44	0	26
2029	61	81	49	0	29
2030	68	89	53	0	32
2031	75	98	59	0	35
2032	83	109	64	0	38
2033	91	120	70	0	42
2034	99	130	76	0	45
2035	108	141	82	0	49
2036	117	154	89	0	53
2037	127	166	97	0	58
2038	137	180	105	0	62
2039	148	194	113	0	67
2040	160	210	122	0	72
2041	173	227	132	0	78
2042	186	244	142	0	84
2043	200	262	153	0	90
2044	215	282	164	0	97
2045	230	302	175	0	104
2046	246	322	187	0	111
2047	262	343	199	0	118
2048	279	365	212	0	126
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	3,369	4,414	2,581	0	1,535
NPV	602	789	468	0	281

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: XXXXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	1	750	0	751	0	0	138	3	141	(610)	(610)
2015	0	0	0	0	0	0	27	325	2	354	354	(281)
2016	0	0	0	0	0	0	26	484	2	512	512	161
2017	0	0	0	0	0	0	25	406	0	431	431	508
2018	0	0	0	0	0	0	24	461	1	486	486	871
2019	0	0	0	0	0	135	24	666	1	826	826	1,445
2020	0	0	0	0	0	115	23	793	1	932	932	2,048
2021	0	0	0	0	0	111	23	730	1	864	864	2,568
2022	0	0	0	0	0	119	22	632	11	784	784	3,006
2023	0	0	0	0	0	123	21	560	16	720	720	3,380
2024	0	1	960	0	961	118	21	558	18	714	(247)	3,261
2025	0	0	0	0	0	119	20	708	20	866	866	3,650
2026	0	0	0	0	0	123	20	769	22	933	933	4,041
2027	0	0	0	0	0	118	19	672	24	834	834	4,365
2028	0	0	0	0	0	127	19	685	26	857	857	4,675
2029	0	0	0	0	0	120	18	510	29	677	677	4,903
2030	0	0	0	0	0	123	18	581	32	753	753	5,138
2031	0	0	0	0	0	117	17	674	35	844	844	5,384
2032	0	0	0	0	0	122	17	607	38	784	784	5,596
2033	0	0	0	0	0	117	17	630	42	806	806	5,799
2034	0	2	1,229	0	1,231	118	17	509	45	690	(541)	5,672
2035	0	0	0	0	0	120	17	457	49	643	643	5,812
2036	0	0	0	0	0	121	16	682	53	872	872	5,988
2037	0	0	0	0	0	118	16	705	58	897	897	6,157
2038	0	0	0	0	0	117	16	636	62	831	831	6,302
2039	0	0	0	0	0	123	16	521	67	727	727	6,421
2040	0	0	0	0	0	119	16	547	72	754	754	6,535
2041	0	0	0	0	0	120	16	596	78	810	810	6,649
2042	0	0	0	0	0	123	16	708	84	931	931	6,770
2043	0	0	0	0	0	121	16	648	90	875	875	6,877
2044	0	2	1,573	0	1,575	118	15	716	97	946	(629)	6,806
2045	0	0	0	0	0	121	15	643	104	882	882	6,898
2046	0	0	0	0	0	124	15	508	111	758	758	6,973
2047	0	0	0	0	0	124	15	526	118	783	783	7,044
2048	0	0	0	0	0	125	15	727	126	992	992	7,128
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	6	4,512	0	4,518	3,621	636	20,717	1,535	26,509	21,990	
NPV	0	2	1,680	0	1,682	1,061	257	7,211	281	8,809	7,128	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 5.24

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	SAVINGS IN PARTICIPANTS BILLS	TAX CREDITS	UTILITY REBATES	OTHER BENEFITS	TOTAL BENEFITS	CUSTOMER EQUIPMENT COSTS	CUSTOMER O&M COSTS	OTHER COSTS	TOTAL COSTS	NET BENEFITS	CUMULATIVE DISCOUNTED NET BENEFITS
YEAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2014	124	0	121	0	245	750	0	0	750	(505)	(505)
2015	234	0	0	0	234	0	0	0	0	234	(288)
2016	238	0	0	0	238	0	0	0	0	238	(82)
2017	247	0	0	0	247	0	0	0	0	247	116
2018	268	0	0	0	268	0	0	0	0	268	316
2019	293	0	0	0	293	0	0	0	0	293	520
2020	303	0	0	0	303	0	0	0	0	303	716
2021	311	0	0	0	311	0	0	0	0	311	903
2022	317	0	0	0	317	0	0	0	0	317	1,080
2023	313	0	0	0	313	0	0	0	0	313	1,243
2024	320	0	121	0	440	960	0	0	960	(520)	991
2025	321	0	0	0	321	0	0	0	0	321	1,136
2026	328	0	0	0	328	0	0	0	0	328	1,273
2027	335	0	0	0	335	0	0	0	0	335	1,403
2028	344	0	0	0	344	0	0	0	0	344	1,528
2029	353	0	0	0	353	0	0	0	0	353	1,646
2030	362	0	0	0	362	0	0	0	0	362	1,760
2031	372	0	0	0	372	0	0	0	0	372	1,868
2032	390	0	0	0	390	0	0	0	0	390	1,974
2033	420	0	0	0	420	0	0	0	0	420	2,079
2034	436	0	121	0	557	1,229	0	0	1,229	(672)	1,922
2035	450	0	0	0	450	0	0	0	0	450	2,020
2036	481	0	0	0	481	0	0	0	0	481	2,117
2037	499	0	0	0	499	0	0	0	0	499	2,211
2038	518	0	0	0	518	0	0	0	0	518	2,301
2039	537	0	0	0	537	0	0	0	0	537	2,389
2040	554	0	0	0	554	0	0	0	0	554	2,473
2041	577	0	0	0	577	0	0	0	0	577	2,554
2042	601	0	0	0	601	0	0	0	0	601	2,632
2043	636	0	0	0	636	0	0	0	0	636	2,709
2044	664	0	121	0	785	1,573	0	0	1,573	(788)	2,620
2045	695	0	0	0	695	0	0	0	0	695	2,693
2046	727	0	0	0	727	0	0	0	0	727	2,765
2047	761	0	0	0	761	0	0	0	0	761	2,834
2048	796	0	0	0	796	0	0	0	0	796	2,901
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
NOM	15,121	0	483	0	15,605	4,512	0	0	4,512	11,092	
NPV	4,359	0	221	0	4,581	1,680	0	0	1,680	2,901	

In Service of Gen Unit: 2019
Discount Rate : 7.54 %
Benefit/Cost Ratio (Col(6) / Col(10)) **2.73**

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	1	121	110	0	232	138	0	0	3	141	(91)	(91)
2015	0	0	0	208	0	208	325	27	0	2	354	146	45
2016	0	0	0	211	0	211	484	26	0	2	512	301	304
2017	0	0	0	219	0	219	406	25	0	0	431	212	475
2018	0	0	0	237	0	237	461	24	0	1	486	249	661
2019	0	0	0	259	0	259	801	24	0	1	826	567	1,055
2020	0	0	0	268	0	268	908	23	0	1	932	664	1,485
2021	0	0	0	276	0	276	840	23	0	1	864	588	1,838
2022	0	0	0	281	0	281	751	22	0	11	784	503	2,120
2023	0	0	0	275	0	275	683	21	0	16	720	445	2,351
2024	0	1	121	281	0	403	675	21	0	18	714	311	2,502
2025	0	0	0	281	0	281	827	20	0	20	866	585	2,765
2026	0	0	0	286	0	286	892	20	0	22	933	647	3,035
2027	0	0	0	293	0	293	790	19	0	24	834	541	3,246
2028	0	0	0	300	0	300	812	19	0	26	857	557	3,447
2029	0	0	0	308	0	308	630	18	0	29	677	370	3,572
2030	0	0	0	315	0	315	704	18	0	32	753	438	3,709
2031	0	0	0	324	0	324	792	17	0	35	844	521	3,860
2032	0	0	0	339	0	339	729	17	0	38	784	446	3,981
2033	0	0	0	363	0	363	747	17	0	42	806	442	4,092
2034	0	2	121	377	0	500	628	17	0	45	690	190	4,136
2035	0	0	0	389	0	389	577	17	0	49	643	254	4,191
2036	0	0	0	415	0	415	803	16	0	53	872	457	4,284
2037	0	0	0	430	0	430	823	16	0	58	897	468	4,372
2038	0	0	0	446	0	446	753	16	0	62	831	385	4,439
2039	0	0	0	462	0	462	644	16	0	67	727	265	4,482
2040	0	0	0	476	0	476	666	16	0	72	754	278	4,524
2041	0	0	0	495	0	495	716	16	0	78	810	315	4,569
2042	0	0	0	515	0	515	831	16	0	84	931	416	4,623
2043	0	0	0	544	0	544	769	16	0	90	875	331	4,663
2044	0	2	121	568	0	691	834	15	0	97	946	255	4,692
2045	0	0	0	593	0	593	764	15	0	104	882	289	4,722
2046	0	0	0	620	0	620	632	15	0	111	758	138	4,736
2047	0	0	0	648	0	648	650	15	0	118	783	134	4,748
2048	0	0	0	678	0	678	851	15	0	126	992	313	4,775
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	6	483	13,090	0	13,579	24,338	636	0	1,535	26,509	12,929	
NPV	0	2	221	3,811	0	4,035	8,272	257	0	281	8,809	4,775	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.18

INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	75.33 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	99.05438 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	869,521.73 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (12) UTILITY NON RECURRING REBATE/INCENTIVE	*** \$/CUST
* (13) UTILITY RECURRING REBATE/INCENTIVE	*** \$/CUST
* (14) UTILITY REBATE/INCENTIVE ESCALATION RATE	*** %

IV. AVOIDED GENERATOR AND T&D COSTS

(1) BASE YEAR	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* 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

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$'(000)	(12) PRESENT WORTH FIXED CHARGES \$'(000)	(13) CUMULATIVE PW FIXED CHARGES \$'(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$'(000)
2019	93	2	0	6	4	2	0	3	0	16	16	16	92
2020	90	2	0	6	2	2	0	3	1	16	15	31	94
2021	85	2	0	5	2	2	0	3	1	15	13	44	96
2022	81	2	0	5	2	1	0	3	1	15	12	56	99
2023	77	2	0	5	2	1	0	3	1	14	10	66	101
2024	73	2	0	5	2	1	0	3	1	13	9	76	104
2025	69	1	0	4	2	1	0	3	1	13	8	84	106
2026	66	1	0	4	2	1	0	3	0	12	8	91	109
2027	62	1	0	4	2	1	0	3	0	12	7	98	112
2028	59	1	0	4	2	1	0	3	0	12	6	104	114
2029	55	1	0	3	2	1	0	3	0	11	5	109	117
2030	52	1	0	3	2	1	0	3	0	11	5	114	120
2031	48	1	0	3	2	1	0	3	0	10	4	118	123
2032	45	1	0	3	1	1	0	3	0	10	4	122	126
2033	41	1	0	3	1	1	0	3	0	9	3	125	129
2034	38	1	0	2	1	1	0	3	0	9	3	128	133
2035	34	1	0	2	1	1	0	3	0	8	3	131	136
2036	31	1	0	2	1	1	0	3	0	8	2	133	139
2037	27	1	0	2	1	1	0	3	0	7	2	135	143
2038	24	0	0	1	1	1	0	3	0	7	2	137	146
2039	20	0	0	1	1	1	0	3	(0)	6	1	138	150
2040	17	0	0	1	2	0	0	3	(1)	6	1	139	154
2041	15	0	0	1	2	0	0	3	(1)	6	1	141	158
2042	14	0	0	1	2	0	0	3	(1)	5	1	142	162
2043	12	0	0	1	2	0	0	3	(1)	5	1	142	166
2044	10	0	0	1	2	0	0	3	(1)	5	1	143	170
2045	8	0	0	0	2	0	0	3	(1)	4	1	144	174
2046	6	0	0	0	1	0	0	3	(1)	4	1	144	178
2047	4	0	0	0	1	0	0	3	(1)	4	0	145	183
2048	2	0	0	0	1	0	0	3	(1)	3	0	145	187

IN SERVICE COST	(\$000)	92
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

SOURCE	WEIGHT	COST
DEBT	40%	5.14
P/S	0%	0.00
C/S	60%	10.50

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

(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)
2019	3.75%	3	3	3	3	3	3	0	5	0	0	0	0	(1)
2020	7.22%	7	10	3	6	3	6	1	5	0	0	0	1	0
2021	6.68%	6	16	3	9	3	9	1	5	0	0	0	1	2
2022	6.18%	6	21	3	12	3	12	1	5	0	0	0	1	3
2023	5.71%	5	27	3	15	3	14	1	5	0	0	0	1	3
2024	5.29%	5	31	3	18	3	17	1	5	0	0	0	1	4
2025	4.89%	4	36	3	21	3	20	1	5	0	0	0	1	5
2026	4.52%	4	40	3	24	3	23	0	5	0	0	0	0	5
2027	4.46%	4	44	3	27	3	26	0	5	0	0	0	0	6
2028	4.46%	4	48	3	31	3	29	0	5	0	0	0	0	6
2029	4.46%	4	52	3	34	3	32	0	5	0	0	0	0	6
2030	4.46%	4	56	3	37	3	35	0	5	0	0	0	0	7
2031	4.46%	4	60	3	40	3	38	0	5	0	0	0	0	7
2032	4.46%	4	64	3	43	3	40	0	5	0	0	0	0	8
2033	4.46%	4	68	3	46	3	43	0	5	0	0	0	0	8
2034	4.46%	4	72	3	49	3	46	0	5	0	0	0	0	9
2035	4.46%	4	76	3	52	3	49	0	5	0	0	0	0	9
2036	4.46%	4	80	3	55	3	52	0	5	0	0	0	0	10
2037	4.46%	4	84	3	58	3	55	0	5	0	0	0	0	10
2038	4.46%	4	88	3	61	3	58	0	5	0	0	0	0	10
2039	2.23%	2	90	3	64	3	61	(0)	5	0	0	0	(0)	10
2040	0.00%	0	90	3	67	3	64	(1)	5	0	0	0	(1)	9
2041	0.00%	0	90	3	70	3	67	(1)	5	0	0	0	(1)	8
2042	0.00%	0	90	3	73	3	69	(1)	5	0	0	0	(1)	7
2043	0.00%	0	90	3	76	3	72	(1)	5	0	0	0	(1)	6
2044	0.00%	0	90	3	79	3	75	(1)	5	0	0	0	(1)	4
2045	0.00%	0	90	3	82	3	78	(1)	5	0	0	0	(1)	3
2046	0.00%	0	90	3	85	3	81	(1)	5	0	0	0	(1)	2
2047	0.00%	0	90	3	89	3	84	(1)	5	0	0	0	(1)	1
2048	0.00%	0	90	3	92	3	87	(1)	5	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	5
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION

PROGRAM METHOD SELECTED: REV_REQ

PROGRAM NAME: ██

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	89	3	(1)	93	90	91
2020	7.22%	7	1	85	6	0	90	85	87
2021	6.68%	6	1	82	9	2	85	81	83
2022	6.18%	6	1	79	12	3	81	77	79
2023	5.71%	5	1	76	15	3	77	73	75
2024	5.29%	5	1	73	18	4	73	69	71
2025	4.89%	4	1	70	21	5	69	66	67
2026	4.52%	4	0	67	24	5	66	62	64
2027	4.46%	4	0	64	27	6	62	59	60
2028	4.46%	4	0	61	31	6	59	55	57
2029	4.46%	4	0	58	34	6	55	52	53
2030	4.46%	4	0	55	37	7	52	48	50
2031	4.46%	4	0	52	40	7	48	45	46
2032	4.46%	4	0	49	43	8	45	41	43
2033	4.46%	4	0	46	46	8	41	38	39
2034	4.46%	4	0	43	49	9	38	34	36
2035	4.46%	4	0	40	52	9	34	31	32
2036	4.46%	4	0	37	55	10	31	27	29
2037	4.46%	4	0	34	58	10	27	24	25
2038	4.46%	4	0	31	61	10	24	20	22
2039	2.23%	2	(0)	27	64	10	20	17	19
2040	0.00%	0	(1)	24	67	9	17	15	16
2041	0.00%	0	(1)	21	70	8	15	14	15
2042	0.00%	0	(1)	18	73	7	14	12	13
2043	0.00%	0	(1)	15	76	6	12	10	11
2044	0.00%	0	(1)	12	79	4	10	8	9
2045	0.00%	0	(1)	9	82	3	8	6	7
2046	0.00%	0	(1)	6	85	2	6	4	5
2047	0.00%	0	(1)	3	89	1	4	2	3
2048	0.00%	0	(1)	0	92	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	85	85	85
EQUITY AFUDC	5		
DEBT AFUDC	2	2	
CPI			5
TOTAL	92	87	90

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.07	3.62	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	16	7	0	19	24	17
2020	16	7	1	33	42	15
2021	15	7	1	34	42	14
2022	15	7	1	35	42	15
2023	14	7	1	37	43	16
2024	13	7	1	39	45	15
2025	13	8	1	40	46	15
2026	12	8	1	40	45	16
2027	12	8	1	41	46	15
2028	12	8	1	43	47	16
2029	11	8	1	44	49	15
2030	11	9	1	45	49	16
2031	10	9	1	47	52	15
2032	10	9	1	49	53	16
2033	9	9	1	51	55	15
2034	9	9	1	53	57	15
2035	8	10	1	55	58	15
2036	8	10	1	57	60	16
2037	7	10	1	60	63	15
2038	7	10	1	62	65	15
2039	6	11	1	64	66	16
2040	6	11	1	67	69	15
2041	6	11	1	69	71	15
2042	5	12	1	72	74	16
2043	5	12	1	74	76	15
2044	5	12	1	77	80	15
2045	4	12	1	80	82	16
2046	4	13	1	83	85	16
2047	4	13	1	86	88	16
2048	3	13	1	89	91	16
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
NOM	275	287	25	1,644	1,766	465
NPV	101	74	6	394	440	136

AVOIDED T&D AND PROGRAM FUEL SAVINGS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME : ██

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	34	0
2015	3	0	3	0	0	1	74	0
2016	2	0	3	0	0	1	119	0
2017	2	0	3	0	0	1	100	0
2018	2	0	3	0	0	1	131	0
2019	2	0	3	0	0	0	187	0
2020	2	0	2	0	0	0	171	0
2021	2	0	2	0	0	0	160	0
2022	2	0	2	0	0	0	148	0
2023	2	0	2	0	0	0	150	0
2024	2	0	2	0	0	0	132	0
2025	2	0	2	0	0	0	166	0
2026	2	0	2	0	0	0	155	0
2027	2	0	2	0	0	0	146	0
2028	1	0	2	0	0	0	166	0
2029	1	1	2	0	0	0	128	0
2030	1	1	2	0	0	0	151	0
2031	1	1	2	0	0	0	157	0
2032	1	1	2	0	0	0	113	0
2033	1	1	2	0	0	0	162	0
2034	1	1	2	0	0	0	118	0
2035	1	1	2	0	0	0	103	0
2036	1	1	2	0	0	0	122	0
2037	1	1	2	0	0	0	127	0
2038	1	1	2	0	0	0	120	0
2039	1	1	2	0	0	0	112	0
2040	1	1	2	0	0	0	112	0
2041	1	1	2	0	0	0	119	0
2042	1	1	2	0	0	0	135	0
2043	1	1	2	0	0	0	130	0
2044	1	1	2	0	0	0	140	0
2045	1	1	2	0	0	0	133	0
2046	1	1	1	0	0	0	118	0
2047	1	1	1	0	0	0	122	0
2048	1	1	1	0	0	0	149	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
NOM.	48	19	66	6	10	15	4,608	0
NPV	22	6	27	3	3	6	1,678	0

* 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: [REDACTED]

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)
2014	0	0	0	0	0
2015	0	0	1	0	1
2016	0	0	0	0	0
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	3	4	5	0	4
2023	5	6	7	0	5
2024	5	7	7	0	6
2025	6	8	8	0	6
2026	6	8	9	0	7
2027	7	9	10	0	8
2028	7	9	11	0	8
2029	8	10	12	0	9
2030	9	11	13	0	10
2031	10	13	14	0	11
2032	11	14	16	0	12
2033	12	15	17	0	14
2034	13	17	19	0	15
2035	14	18	20	0	16
2036	15	20	22	0	17
2037	16	21	24	0	19
2038	18	23	26	0	20
2039	19	25	28	0	22
2040	21	27	30	0	24
2041	22	29	33	0	26
2042	24	31	35	0	28
2043	26	34	38	0	30
2044	28	36	40	0	32
2045	30	39	43	0	34
2046	32	41	46	0	36
2047	34	44	49	0	39
2048	36	47	52	0	41
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	433	567	635	0	501
NPV	77	101	115	0	91

TOTAL RESOURCE COST TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: XXXXXXXXXXXXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	146	0	146	0	0	34	0	34	(112)	(112)
2015	0	0	0	0	0	0	3	74	1	78	78	(40)
2016	0	0	0	0	0	0	3	119	0	122	122	66
2017	0	0	0	0	0	0	3	100	0	103	103	149
2018	0	0	0	0	0	0	3	131	0	135	135	250
2019	0	0	0	0	0	17	3	187	0	207	207	394
2020	0	0	0	0	0	15	3	171	0	189	189	516
2021	0	0	0	0	0	14	3	160	0	177	177	623
2022	0	0	0	0	0	15	3	148	4	170	170	718
2023	0	0	0	0	0	16	3	150	5	173	173	808
2024	0	0	187	0	187	15	3	132	6	155	(32)	792
2025	0	0	0	0	0	15	3	166	6	190	190	878
2026	0	0	0	0	0	16	3	155	7	181	181	953
2027	0	0	0	0	0	15	2	146	8	171	171	1,020
2028	0	0	0	0	0	16	2	166	8	193	193	1,090
2029	0	0	0	0	0	15	2	128	9	155	155	1,142
2030	0	0	0	0	0	16	2	151	10	179	179	1,198
2031	0	0	0	0	0	15	2	157	11	186	186	1,252
2032	0	0	0	0	0	16	2	113	12	143	143	1,291
2033	0	0	0	0	0	15	2	162	14	193	193	1,339
2034	0	0	240	0	240	15	2	118	15	150	(89)	1,318
2035	0	0	0	0	0	15	2	103	16	137	137	1,348
2036	0	0	0	0	0	16	2	122	17	157	157	1,380
2037	0	0	0	0	0	15	2	127	19	163	163	1,410
2038	0	0	0	0	0	15	2	120	20	157	157	1,438
2039	0	0	0	0	0	16	2	112	22	151	151	1,462
2040	0	0	0	0	0	15	2	112	24	153	153	1,485
2041	0	0	0	0	0	15	2	119	26	162	162	1,508
2042	0	0	0	0	0	16	2	135	28	180	180	1,532
2043	0	0	0	0	0	15	2	130	30	177	177	1,553
2044	0	1	307	0	307	15	2	140	32	189	(119)	1,540
2045	0	0	0	0	0	16	2	133	34	184	184	1,559
2046	0	0	0	0	0	16	2	118	36	172	172	1,576
2047	0	0	0	0	0	16	2	122	39	179	179	1,592
2048	0	0	0	0	0	16	2	149	41	208	208	1,610
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	2	880	0	881	465	82	4,608	501	5,655	4,774	
NPV	0	1	327	0	328	136	33	1,678	91	1,938	1,610	

Discount Rate: 7.54 %
 Benefit/Cost Ratio (Col(11) / Col(6)) : 5.91

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	27	0	16	0	42	146	0	0	146	(104)	(104)
2015	57	0	0	0	57	0	0	0	0	57	(51)
2016	54	0	0	0	54	0	0	0	0	54	(4)
2017	55	0	0	0	55	0	0	0	0	55	40
2018	57	0	0	0	57	0	0	0	0	57	83
2019	62	0	0	0	62	0	0	0	0	62	126
2020	68	0	0	0	68	0	0	0	0	68	170
2021	69	0	0	0	69	0	0	0	0	69	211
2022	70	0	0	0	70	0	0	0	0	70	250
2023	72	0	0	0	72	0	0	0	0	72	288
2024	75	0	16	0	90	187	0	0	187	(97)	241
2025	76	0	0	0	76	0	0	0	0	76	275
2026	77	0	0	0	77	0	0	0	0	77	308
2027	79	0	0	0	79	0	0	0	0	79	339
2028	81	0	0	0	81	0	0	0	0	81	368
2029	83	0	0	0	83	0	0	0	0	83	396
2030	86	0	0	0	86	0	0	0	0	86	423
2031	88	0	0	0	88	0	0	0	0	88	448
2032	91	0	0	0	91	0	0	0	0	91	473
2033	95	0	0	0	95	0	0	0	0	95	497
2034	103	0	16	0	118	240	0	0	240	(121)	468
2035	107	0	0	0	107	0	0	0	0	107	492
2036	110	0	0	0	110	0	0	0	0	110	514
2037	118	0	0	0	118	0	0	0	0	118	536
2038	123	0	0	0	123	0	0	0	0	123	558
2039	127	0	0	0	127	0	0	0	0	127	578
2040	132	0	0	0	132	0	0	0	0	132	598
2041	137	0	0	0	137	0	0	0	0	137	617
2042	142	0	0	0	142	0	0	0	0	142	636
2043	148	0	0	0	148	0	0	0	0	148	654
2044	157	0	16	0	173	307	0	0	307	(134)	639
2045	164	0	0	0	164	0	0	0	0	164	656
2046	172	0	0	0	172	0	0	0	0	172	673
2047	180	0	0	0	180	0	0	0	0	180	690
2048	189	0	0	0	189	0	0	0	0	189	705
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
NOM	3,533	0	62	0	3,595	880	0	0	880	2,715	
NPV	1,004	0	28	0	1,033	327	0	0	327	705	

In Service of Gen Unit: 2019
 Discount Rate : 7.54 %
 Benefit/Cost Ratio (Col(6) / Col(10)) 3.15

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	16	23	0	39	34	0	0	0	34	(5)	(5)
2015	0	0	0	50	0	50	74	3	0	1	78	28	22
2016	0	0	0	47	0	47	119	3	0	0	122	76	87
2017	0	0	0	48	0	48	100	3	0	0	103	55	132
2018	0	0	0	49	0	49	131	3	0	0	135	85	196
2019	0	0	0	54	0	54	204	3	0	0	207	153	302
2020	0	0	0	58	0	58	186	3	0	0	189	131	387
2021	0	0	0	60	0	60	174	3	0	0	177	118	458
2022	0	0	0	61	0	61	164	3	0	4	170	109	519
2023	0	0	0	63	0	63	165	3	0	5	173	111	576
2024	0	0	16	64	0	80	147	3	0	6	155	75	613
2025	0	0	0	66	0	66	181	3	0	6	190	124	668
2026	0	0	0	66	0	66	171	3	0	7	181	114	716
2027	0	0	0	68	0	68	161	2	0	8	171	103	756
2028	0	0	0	70	0	70	182	2	0	8	193	124	801
2029	0	0	0	71	0	71	143	2	0	9	155	83	829
2030	0	0	0	73	0	73	167	2	0	10	179	106	862
2031	0	0	0	75	0	75	172	2	0	11	186	110	894
2032	0	0	0	77	0	77	129	2	0	12	143	66	912
2033	0	0	0	81	0	81	177	2	0	14	193	111	940
2034	0	0	16	88	0	103	134	2	0	15	150	47	951
2035	0	0	0	91	0	91	119	2	0	16	137	46	961
2036	0	0	0	94	0	94	137	2	0	17	157	63	974
2037	0	0	0	101	0	101	142	2	0	19	163	62	985
2038	0	0	0	104	0	104	135	2	0	20	157	53	995
2039	0	0	0	108	0	108	127	2	0	22	151	43	1,002
2040	0	0	0	112	0	112	127	2	0	24	153	40	1,008
2041	0	0	0	116	0	116	135	2	0	26	162	47	1,014
2042	0	0	0	121	0	121	151	2	0	28	180	60	1,022
2043	0	0	0	126	0	126	145	2	0	30	177	51	1,028
2044	0	1	16	133	0	149	155	2	0	32	189	39	1,033
2045	0	0	0	139	0	139	148	2	0	34	184	45	1,037
2046	0	0	0	146	0	146	134	2	0	36	172	27	1,040
2047	0	0	0	152	0	152	138	2	0	39	179	26	1,042
2048	0	0	0	159	0	159	165	2	0	41	208	49	1,047
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	2	62	3,015	0	3,078	5,073	82	0	501	5,655	2,577	
NPV	0	1	28	862	0	891	1,814	33	0	91	1,938	1,047	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.17

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	67.51 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	88.77156 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	614,615.04 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0	0	0	0	
2015	0	14	0	14	12	6	197	0	197	
2016	0	0	0	0	26	12	0	0	0	
2017	0	0	0	0	26	12	0	0	0	
2018	0	0	0	0	29	13	0	0	0	
2019	0	0	0	0	32	13	0	0	0	
2020	0	0	0	0	33	14	0	0	0	
2021	0	0	0	0	33	14	0	0	0	
2022	0	0	0	0	34	15	0	0	0	
2023	0	0	0	0	36	15	0	0	0	
2024	0	0	0	0	37	15	0	0	0	
2025	0	14	0	14	38	14	252	0	252	
2026	0	0	0	0	39	14	0	0	0	
2027	0	0	0	0	40	14	0	0	0	
2028	0	0	0	0	41	14	0	0	0	
2029	0	0	0	0	43	14	0	0	0	
2030	0	0	0	0	44	14	0	0	0	
2031	0	0	0	0	45	14	0	0	0	
2032	0	0	0	0	48	15	0	0	0	
2033	0	0	0	0	52	15	0	0	0	
2034	0	0	0	0	54	15	0	0	0	
2035	0	14	0	14	57	15	322	0	322	
2036	0	0	0	0	61	16	0	0	0	
2037	0	0	0	0	64	16	0	0	0	
2038	0	0	0	0	67	16	0	0	0	
2039	0	0	0	0	69	16	0	0	0	
2040	0	0	0	0	72	16	0	0	0	
2041	0	0	0	0	75	16	0	0	0	
2042	0	0	0	0	79	16	0	0	0	
2043	0	0	0	0	84	17	0	0	0	
2044	0	0	0	0	88	17	0	0	0	
2045	0	14	0	14	93	17	412	0	412	
2046	0	0	0	0	97	17	0	0	0	
2047	0	0	0	0	103	17	0	0	0	
2048	0	0	0	0	108	17	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
NOM	1	56	0	57	1,858	503	1,183	0	1,183	
NPV	0	24	0	24	490	166	410	0	410	

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	83	2	0	5	3	1	0	3	0	14	14	14	82
2020	80	2	0	5	2	1	0	3	1	14	13	28	84
2021	76	2	0	5	2	1	0	3	1	14	12	39	86
2022	72	1	0	5	2	1	0	3	1	13	10	50	88
2023	69	1	0	4	2	1	0	3	1	13	9	59	90
2024	65	1	0	4	2	1	0	3	1	12	8	67	93
2025	62	1	0	4	2	1	0	3	1	12	7	75	95
2026	59	1	0	4	2	1	0	3	0	11	7	82	97
2027	55	1	0	3	2	1	0	3	0	11	6	88	100
2028	52	1	0	3	2	1	0	3	0	10	5	93	102
2029	49	1	0	3	2	1	0	3	0	10	5	98	105
2030	46	1	0	3	2	1	0	3	0	9	4	102	108
2031	43	1	0	3	1	1	0	3	0	9	4	106	110
2032	40	1	0	2	1	1	0	3	0	9	3	109	113
2033	37	1	0	2	1	1	0	3	0	8	3	112	116
2034	34	1	0	2	1	1	0	3	0	8	3	115	119
2035	30	1	0	2	1	1	0	3	0	7	2	117	122
2036	27	1	0	2	1	1	0	3	0	7	2	119	125
2037	24	0	0	2	1	1	0	3	0	6	2	121	128
2038	21	0	0	1	1	0	0	3	0	6	2	122	131
2039	18	0	0	1	1	0	0	3	(0)	6	1	123	134
2040	16	0	0	1	2	0	0	3	(1)	5	1	125	138
2041	14	0	0	1	2	0	0	3	(1)	5	1	126	141
2042	12	0	0	1	2	0	0	3	(1)	5	1	127	145
2043	10	0	0	1	1	0	0	3	(1)	4	1	127	148
2044	9	0	0	1	1	0	0	3	(1)	4	1	128	152
2045	7	0	0	0	1	0	0	3	(1)	4	1	129	156
2046	5	0	0	0	1	0	0	3	(1)	4	1	129	160
2047	3	0	0	0	1	0	0	3	(1)	3	0	130	164
2048	2	0	0	0	1	0	0	3	(1)	3	0	130	168

IN SERVICE COST	(\$000)	82
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	5	3	5	1	4	0	0	0	1	0
2021	6.68%	5	14	3	8	3	8	1	4	0	0	0	1	1
2022	6.18%	5	19	3	11	3	10	1	4	0	0	0	1	2
2023	5.71%	5	24	3	14	3	13	1	4	0	0	0	1	3
2024	5.29%	4	28	3	16	3	16	1	4	0	0	0	1	4
2025	4.89%	4	32	3	19	3	18	1	4	0	0	0	1	4
2026	4.52%	4	36	3	22	3	21	0	4	0	0	0	0	5
2027	4.46%	4	39	3	25	3	23	0	4	0	0	0	0	5
2028	4.46%	4	43	3	27	3	26	0	4	0	0	0	0	5
2029	4.46%	4	46	3	30	3	28	0	4	0	0	0	0	6
2030	4.46%	4	50	3	33	3	31	0	4	0	0	0	0	6
2031	4.46%	4	54	3	36	3	34	0	4	0	0	0	0	7
2032	4.46%	4	57	3	38	3	36	0	4	0	0	0	0	7
2033	4.46%	4	61	3	41	3	39	0	4	0	0	0	0	7
2034	4.46%	4	64	3	44	3	41	0	4	0	0	0	0	8
2035	4.46%	4	68	3	46	3	44	0	4	0	0	0	0	8
2036	4.46%	4	72	3	49	3	47	0	4	0	0	0	0	9
2037	4.46%	4	75	3	52	3	49	0	4	0	0	0	0	9
2038	4.46%	4	79	3	55	3	52	0	4	0	0	0	0	9
2039	2.23%	2	81	3	57	3	54	(0)	4	0	0	0	(0)	9
2040	0.00%	0	81	3	60	3	57	(1)	4	0	0	0	(1)	8
2041	0.00%	0	81	3	63	3	60	(1)	4	0	0	0	(1)	7
2042	0.00%	0	81	3	66	3	62	(1)	4	0	0	0	(1)	6
2043	0.00%	0	81	3	68	3	65	(1)	4	0	0	0	(1)	5
2044	0.00%	0	81	3	71	3	67	(1)	4	0	0	0	(1)	4
2045	0.00%	0	81	3	74	3	70	(1)	4	0	0	0	(1)	3
2046	0.00%	0	81	3	76	3	73	(1)	4	0	0	0	(1)	2
2047	0.00%	0	81	3	79	3	75	(1)	4	0	0	0	(1)	1
2048	0.00%	0	81	3	82	3	78	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	3	0	79	3	(1)	83	80	82
2020	7.22%	6	1	76	5	0	80	76	78
2021	6.68%	5	1	74	8	1	76	72	74
2022	6.18%	5	1	71	11	2	72	69	71
2023	5.71%	5	1	68	14	3	69	65	67
2024	5.29%	4	1	66	16	4	65	62	64
2025	4.89%	4	1	63	19	4	62	59	60
2026	4.52%	4	0	60	22	5	59	55	57
2027	4.46%	4	0	57	25	5	55	52	54
2028	4.46%	4	0	55	27	5	52	49	51
2029	4.46%	4	0	52	30	6	49	46	48
2030	4.46%	4	0	49	33	6	46	43	45
2031	4.46%	4	0	46	36	7	43	40	41
2032	4.46%	4	0	44	38	7	40	37	38
2033	4.46%	4	0	41	41	7	37	34	35
2034	4.46%	4	0	38	44	8	34	30	32
2035	4.46%	4	0	36	46	8	30	27	29
2036	4.46%	4	0	33	49	9	27	24	26
2037	4.46%	4	0	30	52	9	24	21	23
2038	4.46%	4	0	27	55	9	21	18	20
2039	2.23%	2	(0)	25	57	9	18	16	17
2040	0.00%	0	(1)	22	60	8	16	14	15
2041	0.00%	0	(1)	19	63	7	14	12	13
2042	0.00%	0	(1)	16	66	6	12	10	11
2043	0.00%	0	(1)	14	68	5	10	9	10
2044	0.00%	0	(1)	11	71	4	9	7	8
2045	0.00%	0	(1)	8	74	3	7	5	6
2046	0.00%	0	(1)	5	76	2	5	3	4
2047	0.00%	0	(1)	3	79	1	3	2	3
2048	0.00%	0	(1)	0	82	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04

67.66

53.39

(12.87)

923.05

IN SERVICE YEAR	2019
PLANT COSTS	776.3262845
AFUDC RATE	6.34%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	76	76	76
EQUITY AFUDC	4		
DEBT AFUDC	2	2	
CPI			5
TOTAL	82	78	81

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	7.79	4.47	0.00	1.00	1.00
2016	1	1	4.92	12.20	4.95	0.00	1.00	1.00
2017	1	1	4.27	10.26	4.29	0.00	1.00	1.00
2018	1	1	5.27	13.44	5.29	0.00	1.00	1.00
2019	1	1	5.38	18.72	5.40	5.05	1.00	1.00
2020	1	1	5.65	17.33	5.67	5.04	1.00	1.00
2021	1	1	5.65	16.23	5.67	5.11	1.00	1.00
2022	1	1	5.60	15.12	5.62	5.07	1.00	1.00
2023	1	1	5.60	15.23	5.62	5.17	1.00	1.00
2024	1	1	5.81	13.57	5.83	5.46	1.00	1.00
2025	1	1	5.98	16.84	6.00	5.61	1.00	1.00
2026	1	1	5.73	15.79	5.75	5.73	1.00	1.00
2027	1	1	6.01	14.91	6.03	6.01	1.00	1.00
2028	1	1	6.07	16.89	6.09	6.10	1.00	1.00
2029	1	1	6.28	13.24	6.30	6.40	1.00	1.00
2030	1	1	6.34	15.48	6.36	6.40	1.00	1.00
2031	1	1	6.57	16.10	6.59	6.72	1.00	1.00
2032	1	1	6.62	11.92	6.63	6.79	1.00	1.00
2033	1	1	6.97	16.62	6.98	7.12	1.00	1.00
2034	1	1	7.05	12.50	7.06	7.32	1.00	1.00
2035	1	1	7.19	11.07	7.20	7.51	1.00	1.00
2036	1	1	7.47	12.91	7.48	7.70	1.00	1.00
2037	1	1	7.68	13.42	7.69	8.03	1.00	1.00
2038	1	1	7.94	12.78	7.95	8.32	1.00	1.00
2039	1	1	8.12	12.03	8.13	8.48	1.00	1.00
2040	1	1	8.35	12.08	8.35	8.85	1.00	1.00
2041	1	1	8.67	12.87	8.67	9.11	1.00	1.00
2042	1	1	8.99	14.43	8.99	9.45	1.00	1.00
2043	1	1	9.27	13.94	9.28	9.80	1.00	1.00
2044	1	1	9.60	14.97	9.61	10.24	1.00	1.00
2045	1	1	9.94	14.34	9.95	10.56	1.00	1.00
2046	1	1	10.25	13.01	10.26	10.91	1.00	1.00
2047	1	1	10.57	13.46	10.58	11.25	1.00	1.00
2048	1	1	11.00	16.12	11.01	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	14	6	0	17	22	15
2020	14	6	1	30	37	13
2021	14	6	1	30	38	13
2022	13	6	1	31	38	14
2023	13	6	1	33	38	14
2024	12	7	1	35	40	14
2025	12	7	1	36	41	14
2026	11	7	1	35	40	14
2027	11	7	1	37	41	14
2028	10	7	1	38	42	15
2029	10	8	1	40	44	14
2030	9	8	1	41	44	14
2031	9	8	1	42	46	13
2032	9	8	1	44	47	14
2033	8	8	1	46	50	13
2034	8	8	1	48	51	14
2035	7	9	1	49	52	14
2036	7	9	1	51	54	14
2037	6	9	1	53	56	14
2038	6	9	1	55	58	13
2039	6	10	1	57	59	14
2040	5	10	1	60	62	14
2041	5	10	1	62	64	14
2042	5	10	1	64	66	14
2043	4	11	1	66	68	14
2044	4	11	1	69	72	14
2045	4	11	1	72	74	14
2046	4	11	1	74	76	14
2047	3	12	1	77	79	14
2048	3	12	1	80	82	14
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	245	257	22	1,473	1,583	416
NPV	90	67	6	355	395	122

AVOIDED T&D AND PROGRAM FUEL SAVINGS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME : [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(8a)*
YEAR	AVOIDED TRANSMISSION CAP COST \$(000)	AVOIDED TRANSMISSION O&M COST \$(000)	TOTAL AVOIDED TRANSMISSION COST \$(000)	AVOIDED DISTRIBUTION CAP COST \$(000)	AVOIDED DISTRIBUTION O&M COST \$(000)	TOTAL AVOIDED DISTRIBUTION COST \$(000)	PROGRAM FUEL SAVINGS \$(000)	PROGRAM OFF-PEAK PAYBACK \$(000)
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	26	0
2016	2	0	3	0	0	0	84	0
2017	2	0	3	0	0	0	71	0
2018	2	0	3	0	0	0	93	0
2019	2	0	2	0	0	0	132	0
2020	2	0	2	0	0	0	121	0
2021	2	0	2	0	0	0	113	0
2022	2	0	2	0	0	0	105	0
2023	2	0	2	0	0	0	106	0
2024	2	0	2	0	0	0	93	0
2025	2	0	2	0	0	0	117	0
2026	2	0	2	0	0	0	110	0
2027	1	0	2	0	0	0	103	0
2028	1	0	2	0	0	0	117	0
2029	1	0	2	0	0	0	90	0
2030	1	0	2	0	0	0	107	0
2031	1	0	2	0	0	0	111	0
2032	1	0	2	0	0	0	80	0
2033	1	1	2	0	0	0	114	0
2034	1	1	2	0	0	0	84	0
2035	1	1	2	0	0	0	73	0
2036	1	1	2	0	0	0	86	0
2037	1	1	2	0	0	0	90	0
2038	1	1	2	0	0	0	85	0
2039	1	1	2	0	0	0	79	0
2040	1	1	1	0	0	0	79	0
2041	1	1	1	0	0	0	84	0
2042	1	1	1	0	0	0	96	0
2043	1	1	1	0	0	0	92	0
2044	1	1	1	0	0	0	99	0
2045	1	1	1	0	0	0	94	0
2046	1	1	1	0	0	0	83	0
2047	1	1	1	0	0	0	86	0
2048	1	1	1	0	0	0	106	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
NOM.	43	17	60	5	8	14	3,207	0
NPV	18	5	23	2	2	5	1,141	0

* 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: ██████████

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)
2014	0	0	0	0	0
2015	0	0	0	0	0
2016	0	0	0	0	0
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	3	4	3	0	2
2023	4	6	5	0	3
2024	5	6	5	0	4
2025	5	7	6	0	4
2026	5	7	6	0	5
2027	6	8	7	0	5
2028	6	8	8	0	6
2029	7	9	8	0	6
2030	8	10	9	0	7
2031	9	11	10	0	7
2032	10	12	11	0	8
2033	11	14	12	0	9
2034	11	15	13	0	10
2035	12	16	14	0	11
2036	13	18	16	0	11
2037	15	19	17	0	12
2038	16	21	18	0	13
2039	17	22	20	0	14
2040	18	24	21	0	16
2041	20	26	23	0	17
2042	21	28	25	0	18
2043	23	30	27	0	19
2044	25	32	29	0	21
2045	26	35	31	0	22
2046	28	37	33	0	24
2047	30	39	35	0	25
2048	32	42	37	0	27
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	388	508	448	0	328
NPV	70	91	81	0	59

TOTAL RESOURCE COST TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: XXXXXXXXXX

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	197	0	197	0	0	26	0	26	(170)	(159)
2016	0	0	0	0	0	0	3	84	0	87	87	(83)
2017	0	0	0	0	0	0	3	71	0	74	74	(24)
2018	0	0	0	0	0	0	3	93	0	96	96	48
2019	0	0	0	0	0	15	3	132	0	150	150	153
2020	0	0	0	0	0	13	3	121	0	137	137	242
2021	0	0	0	0	0	13	3	113	0	129	129	319
2022	0	0	0	0	0	14	3	105	2	124	124	388
2023	0	0	0	0	0	14	3	106	3	126	126	454
2024	0	0	0	0	0	14	3	93	4	113	113	509
2025	0	0	252	0	252	14	2	117	4	137	(115)	457
2026	0	0	0	0	0	14	2	110	5	131	131	512
2027	0	0	0	0	0	14	2	103	5	124	124	560
2028	0	0	0	0	0	15	2	117	6	140	140	611
2029	0	0	0	0	0	14	2	90	6	112	112	649
2030	0	0	0	0	0	14	2	107	7	130	130	689
2031	0	0	0	0	0	13	2	111	7	134	134	729
2032	0	0	0	0	0	14	2	80	8	104	104	757
2033	0	0	0	0	0	13	2	114	9	139	139	792
2034	0	0	0	0	0	14	2	84	10	109	109	817
2035	0	0	322	0	323	14	2	73	11	99	(223)	769
2036	0	0	0	0	0	14	2	86	11	113	113	792
2037	0	0	0	0	0	14	2	90	12	118	118	814
2038	0	0	0	0	0	13	2	85	13	113	113	834
2039	0	0	0	0	0	14	2	79	14	109	109	852
2040	0	0	0	0	0	14	2	79	16	110	110	868
2041	0	0	0	0	0	14	2	84	17	117	117	885
2042	0	0	0	0	0	14	2	96	18	130	130	902
2043	0	0	0	0	0	14	2	92	19	127	127	918
2044	0	0	0	0	0	14	2	99	21	135	135	933
2045	0	0	412	0	413	14	2	94	22	132	(281)	903
2046	0	0	0	0	0	14	2	83	24	123	123	915
2047	0	0	0	0	0	14	2	86	25	128	128	927
2048	0	0	0	0	0	14	2	106	27	149	149	940
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	1,183	0	1,184	416	74	3,207	328	4,024	2,840	
NPV	0	0	410	0	411	122	28	1,141	59	1,350	940	

Discount Rate: 7.51 %
 Benefit/Cost Ratio (Col(11) / Col(6)) : 3.29

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(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)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	21	0	14	0	35	197	0	0	197	(162)	(150)
2016	43	0	0	0	43	0	0	0	0	43	(113)
2017	44	0	0	0	44	0	0	0	0	44	(78)
2018	48	0	0	0	48	0	0	0	0	48	(42)
2019	52	0	0	0	52	0	0	0	0	52	(5)
2020	53	0	0	0	53	0	0	0	0	53	29
2021	54	0	0	0	54	0	0	0	0	54	61
2022	56	0	0	0	56	0	0	0	0	56	93
2023	58	0	0	0	58	0	0	0	0	58	123
2024	59	0	0	0	59	0	0	0	0	59	151
2025	60	0	14	0	73	252	0	0	252	(178)	71
2026	61	0	0	0	61	0	0	0	0	61	96
2027	62	0	0	0	62	0	0	0	0	62	121
2028	64	0	0	0	64	0	0	0	0	64	144
2029	66	0	0	0	66	0	0	0	0	66	166
2030	67	0	0	0	67	0	0	0	0	67	187
2031	69	0	0	0	69	0	0	0	0	69	208
2032	72	0	0	0	72	0	0	0	0	72	227
2033	78	0	0	0	78	0	0	0	0	78	247
2034	81	0	0	0	81	0	0	0	0	81	266
2035	84	0	14	0	98	322	0	0	322	(225)	217
2036	89	0	0	0	89	0	0	0	0	89	235
2037	93	0	0	0	93	0	0	0	0	93	252
2038	96	0	0	0	96	0	0	0	0	96	269
2039	100	0	0	0	100	0	0	0	0	100	286
2040	103	0	0	0	103	0	0	0	0	103	301
2041	107	0	0	0	107	0	0	0	0	107	316
2042	111	0	0	0	111	0	0	0	0	111	331
2043	118	0	0	0	118	0	0	0	0	118	345
2044	123	0	0	0	123	0	0	0	0	123	359
2045	129	0	14	0	142	412	0	0	412	(270)	331
2046	134	0	0	0	134	0	0	0	0	134	344
2047	141	0	0	0	141	0	0	0	0	141	357
2048	147	0	0	0	147	0	0	0	0	147	369
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	2,742	0	56	0	2,797	1,183	0	0	1,183	1,614	
NPV	756	0	24	0	780	410	0	0	410	369	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.90

RATE IMPACT TEST
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	14	18	0	33	26	0	0	0	26	(6)	(6)
2016	0	0	0	38	0	38	84	3	0	0	87	50	37
2017	0	0	0	39	0	39	71	3	0	0	74	35	65
2018	0	0	0	42	0	42	93	3	0	0	96	54	106
2019	0	0	0	46	0	46	147	3	0	0	150	105	178
2020	0	0	0	46	0	46	134	3	0	0	137	91	237
2021	0	0	0	47	0	47	126	3	0	0	129	81	286
2022	0	0	0	49	0	49	119	3	0	2	124	75	328
2023	0	0	0	50	0	50	120	3	0	3	126	75	367
2024	0	0	0	51	0	51	107	3	0	4	113	62	397
2025	0	0	14	52	0	66	131	2	0	4	137	71	429
2026	0	0	0	53	0	53	124	2	0	5	131	78	462
2027	0	0	0	54	0	54	116	2	0	5	124	70	489
2028	0	0	0	55	0	55	132	2	0	6	140	84	520
2029	0	0	0	57	0	57	104	2	0	6	112	55	539
2030	0	0	0	58	0	58	121	2	0	7	130	71	561
2031	0	0	0	60	0	60	124	2	0	7	134	74	583
2032	0	0	0	63	0	63	94	2	0	8	104	42	594
2033	0	0	0	67	0	67	128	2	0	9	139	71	612
2034	0	0	0	70	0	70	97	2	0	10	109	39	621
2035	0	0	14	72	0	86	87	2	0	11	99	13	624
2036	0	0	0	77	0	77	100	2	0	11	113	37	631
2037	0	0	0	79	0	79	103	2	0	12	118	38	639
2038	0	0	0	82	0	82	98	2	0	13	113	31	644
2039	0	0	0	85	0	85	93	2	0	14	109	24	648
2040	0	0	0	88	0	88	93	2	0	16	110	22	651
2041	0	0	0	91	0	91	98	2	0	17	117	25	655
2042	0	0	0	95	0	95	110	2	0	18	130	34	659
2043	0	0	0	100	0	100	105	2	0	19	127	26	663
2044	0	0	0	105	0	105	112	2	0	21	135	30	666
2045	0	0	14	110	0	124	108	2	0	22	132	8	667
2046	0	0	0	114	0	114	98	2	0	24	123	9	668
2047	0	0	0	120	0	120	101	2	0	25	128	8	669
2048	0	0	0	125	0	125	120	2	0	27	149	24	671
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	56	2,361	0	2,418	3,623	74	0	328	4,024	1,606	
NPV	0	0	24	656	0	680	1,263	28	0	59	1,350	671	

Discount Rate 7.51 %
 Benefit/Cost Ratio (Col(12) / Col(7)) : 1.99

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	315.05 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	414.27165 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	2,868,204.24 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58529
(5) K FACTOR FOR T & D	1.56178

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.51 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

Table with 10 columns: 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). Rows include years from 2014 to 2048 and summary rows NOM and NPV.

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
BEG-YEAR	RATE BASE	DEBT	PREFERRED	COMMON	INCOME	PROPERTY	PROPERTY	DEFERRED	TOTAL	PRESENT	CUMULATIVE	REPLACEMENT
YEAR	\$(000)	\$(000)	STOCK	EQUITY	TAXES	TAX	INSURANCE	TAXES	FIXED	WORTH	PW FIXED	COST BASIS
			\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)	CHARGES	FIXED	CHARGES	FOR
									\$(000)	CHARGES	\$(000)	PROPERTY
										\$(000)		INSURANCE
												\$(000)
2019	388	8	0	24	15	7	0	13	68	68	68	382
2020	374	8	0	23	9	6	0	13	66	61	129	392
2021	356	7	0	22	9	6	0	13	63	55	183	402
2022	338	7	0	21	9	6	0	13	61	49	232	412
2023	321	7	0	20	9	6	0	13	58	44	276	422
2024	304	6	0	19	9	6	0	13	56	39	315	433
2025	289	6	0	18	9	5	0	13	54	35	350	443
2026	273	6	0	17	9	5	0	13	52	31	381	455
2027	259	5	0	16	9	5	0	13	50	28	409	466
2028	244	5	0	15	8	5	0	13	48	25	434	478
2029	230	5	0	14	8	4	0	13	46	22	456	489
2030	215	4	0	13	7	4	0	13	44	20	476	502
2031	201	4	0	13	6	4	0	13	42	18	494	514
2032	186	4	0	12	6	4	0	13	40	16	509	527
2033	171	3	0	11	5	3	0	13	38	14	523	540
2034	157	3	0	10	5	3	0	13	36	12	535	554
2035	142	3	0	9	4	3	0	13	34	11	546	568
2036	128	3	0	8	4	3	0	13	32	9	555	582
2037	113	2	0	7	3	3	0	13	30	8	563	596
2038	99	2	0	6	2	2	0	13	28	7	570	611
2039	84	2	0	5	5	2	0	13	(1)	6	576	627
2040	73	1	0	5	8	2	0	13	(5)	24	582	642
2041	65	1	0	4	8	2	0	13	(5)	23	586	658
2042	57	1	0	4	7	1	0	13	(5)	22	590	675
2043	48	1	0	3	7	1	0	13	(5)	21	594	692
2044	40	1	0	3	7	1	0	13	(5)	19	597	709
2045	32	1	0	2	6	1	0	13	(5)	18	600	727
2046	24	0	0	2	6	0	0	13	(5)	17	602	745
2047	16	0	0	1	6	0	0	13	(5)	16	604	763
2048	8	0	0	1	5	0	0	13	(5)	15	606	783

IN SERVICE COST	(\$000)	382
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.05	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58529

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	14	14	13	13	12	12	1	20	0	0	0	1	(5)
2020	7.22%	27	41	13	25	12	24	6	20	0	0	0	6	1
2021	6.68%	25	66	13	38	12	36	5	20	0	0	0	5	6
2022	6.18%	23	90	13	51	12	48	4	20	0	0	0	4	11
2023	5.71%	22	111	13	64	12	60	4	20	0	0	0	4	14
2024	5.29%	20	131	13	76	12	73	3	20	0	0	0	3	17
2025	4.89%	18	150	13	89	12	85	2	20	0	0	0	2	20
2026	4.52%	17	167	13	102	12	97	2	20	0	0	0	2	22
2027	4.46%	17	183	13	115	12	109	2	20	0	0	0	2	23
2028	4.46%	17	200	13	127	12	121	2	20	0	0	0	2	25
2029	4.46%	17	217	13	140	12	133	2	20	0	0	0	2	27
2030	4.46%	17	234	13	153	12	145	2	20	0	0	0	2	29
2031	4.46%	17	251	13	166	12	157	2	20	0	0	0	2	31
2032	4.46%	17	267	13	178	12	169	2	20	0	0	0	2	33
2033	4.46%	17	284	13	191	12	181	2	20	0	0	0	2	34
2034	4.46%	17	301	13	204	12	193	2	20	0	0	0	2	36
2035	4.46%	17	318	13	217	12	206	2	20	0	0	0	2	38
2036	4.46%	17	335	13	229	12	218	2	20	0	0	0	2	40
2037	4.46%	17	351	13	242	12	230	2	20	0	0	0	2	42
2038	4.46%	17	368	13	255	12	242	2	20	0	0	0	2	43
2039	2.23%	8	376	13	268	12	254	(1)	20	0	0	0	(1)	42
2040	0.00%	0	376	13	280	12	266	(5)	20	0	0	0	(5)	37
2041	0.00%	0	376	13	293	12	278	(5)	20	0	0	0	(5)	33
2042	0.00%	0	376	13	306	12	290	(5)	20	0	0	0	(5)	28
2043	0.00%	0	376	13	319	12	302	(5)	20	0	0	0	(5)	23
2044	0.00%	0	376	13	331	12	314	(5)	20	0	0	0	(5)	19
2045	0.00%	0	376	13	344	12	326	(5)	20	0	0	0	(5)	14
2046	0.00%	0	376	13	357	12	338	(5)	20	0	0	0	(5)	9
2047	0.00%	0	376	13	370	12	351	(5)	20	0	0	0	(5)	5
2048	0.00%	0	376	13	382	12	363	(5)	20	0	0	0	(5)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(5)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	20
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(5a)*	(5b)*	(6)	(7)	(8)
YEAR	TAX DEPRECIATION SCHEDULE	TAX DEPRECIATION \$(000)	DEFERRED TAX \$(000)	END OF YEAR NET PLANT IN SERVICE \$(000)	ACCUMULATED DEPRECIATION \$(000)	ACCUMULATED DEF TAXES \$(000)	BEGINNING YEAR RATE BASE \$(000)	ENDING OF YEAR RATE BASE \$(000)	MID-YEAR RATE BASE \$(000)
2019	3.75%	14	1	370	13	(5)	388	374	381
2020	7.22%	27	6	357	25	1	374	356	365
2021	6.68%	25	5	344	38	6	356	338	347
2022	6.18%	23	4	331	51	11	338	321	329
2023	5.71%	22	4	319	64	14	321	304	313
2024	5.29%	20	3	306	76	17	304	289	297
2025	4.89%	18	2	293	89	20	289	273	281
2026	4.52%	17	2	280	102	22	273	259	266
2027	4.46%	17	2	268	115	23	259	244	252
2028	4.46%	17	2	255	127	25	244	230	237
2029	4.46%	17	2	242	140	27	230	215	222
2030	4.46%	17	2	229	153	29	215	201	208
2031	4.46%	17	2	217	166	31	201	186	193
2032	4.46%	17	2	204	178	33	186	171	179
2033	4.46%	17	2	191	191	34	171	157	164
2034	4.46%	17	2	178	204	36	157	142	150
2035	4.46%	17	2	166	217	38	142	128	135
2036	4.46%	17	2	153	229	40	128	113	120
2037	4.46%	17	2	140	242	42	113	99	106
2038	4.46%	17	2	127	255	43	99	84	91
2039	2.23%	8	(1)	115	268	42	84	73	78
2040	0.00%	0	(5)	102	280	37	73	65	69
2041	0.00%	0	(5)	89	293	33	65	57	61
2042	0.00%	0	(5)	76	306	28	57	48	53
2043	0.00%	0	(5)	64	319	23	48	40	44
2044	0.00%	0	(5)	51	331	19	40	32	36
2045	0.00%	0	(5)	38	344	14	32	24	28
2046	0.00%	0	(5)	25	357	9	24	16	20
2047	0.00%	0	(5)	13	370	5	16	8	12
2048	0.00%	0	(5)	0	382	0	8	0	4

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.15	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.73	0.78	2.48	2.63	1.97	2.09	(0.48)	(0.50)	74.05	77.29
2017	-2	305.60	5.75	6.53	19.41	22.04	15.41	17.50	(3.73)	(4.23)	476.02	553.31
2018	-1	715.37	13.51	20.04	45.62	67.66	35.90	53.39	(8.64)	(12.87)	369.74	923.05

20.04	67.66	53.39	(12.87)	923.05
		BOOK BASIS FOR DEF TAX	TAX BASIS	
CONSTRUCTION CASH	354	354	354	
EQUITY AFUDC	20			
DEBT AFUDC	8	8		
CPI			22	
TOTAL	382	363	376	

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.34%

* Column not specified in workbook

INPUT DATA -- PART 2
 PROGRAM METHOD SELECTED : REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	0	0	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	68	27	1	78	102	72
2020	66	28	3	140	174	61
2021	63	29	3	142	177	59
2022	61	29	3	146	175	64
2023	58	30	3	153	179	66
2024	56	31	3	162	189	63
2025	54	32	3	167	192	64
2026	52	33	3	165	187	66
2027	50	33	3	171	194	63
2028	48	34	3	179	196	68
2029	46	35	3	185	205	64
2030	44	36	3	189	206	66
2031	42	37	3	198	217	63
2032	40	38	3	205	220	66
2033	38	39	3	215	232	63
2034	36	40	3	223	239	63
2035	34	41	4	231	244	65
2036	32	42	4	239	252	65
2037	30	43	4	249	262	63
2038	28	44	4	259	271	63
2039	26	45	4	268	277	66
2040	24	46	4	278	289	64
2041	23	47	4	287	297	64
2042	22	48	4	300	308	66
2043	21	49	4	310	319	65
2044	19	51	4	323	334	63
2045	18	52	5	335	345	65
2046	17	53	5	348	356	67
2047	16	55	5	358	367	67
2048	15	56	5	374	382	67
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	1,145	1,201	104	6,876	7,386	1,940
NPV	422	311	27	1,655	1,844	570

AVOIDED GENERATING EMISSION IMPACT
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

	(2)	(3)	(4)	(5)	(6)
	AVOIDED GEN UNIT EMISSION BENEFIT	REPLACEMENT EMISSION COST	PROGRAM EMISSION BENEFIT	OFF-PEAK EMISSION PAYBACK COST	NET EMISSION BENEFIT
YEAR	\$(000)	\$(000)	\$(000)	\$(000)	\$(000)
2014	0	0	0	0	0
2015	0	0	1	0	1
2016	0	0	1	0	1
2017	0	0	0	0	0
2018	0	0	1	0	1
2019	0	0	1	0	1
2020	0	0	1	0	1
2021	0	0	1	0	1
2022	13	18	15	0	11
2023	20	26	22	0	16
2024	22	29	25	0	18
2025	24	32	27	0	20
2026	25	33	30	0	22
2027	27	36	33	0	24
2028	30	39	35	0	26
2029	33	43	40	0	29
2030	37	48	43	0	32
2031	40	53	48	0	35
2032	45	58	52	0	38
2033	49	64	57	0	42
2034	53	70	62	0	45
2035	58	76	67	0	49
2036	63	83	72	0	53
2037	68	89	79	0	58
2038	74	97	85	0	62
2039	80	104	92	0	67
2040	86	113	99	0	73
2041	93	122	107	0	78
2042	100	131	116	0	84
2043	108	141	124	0	91
2044	116	151	133	0	97
2045	124	162	143	0	104
2046	132	173	152	0	111
2047	141	184	162	0	118
2048	150	196	173	0	126
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
NOM	1,809	2,371	2,098	0	1,536
NPV	325	426	380	0	279

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: [REDACTED]

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	941	0	941	0	0	132	1	133	(808)	(752)
2016	0	0	0	0	0	0	15	394	1	410	410	(397)
2017	0	0	0	0	0	0	14	331	0	345	345	(119)
2018	0	0	0	0	0	0	14	375	1	389	389	172
2019	0	0	0	0	0	72	14	542	1	629	629	610
2020	0	0	0	0	0	61	13	646	1	721	721	1,077
2021	0	0	0	0	0	59	13	594	1	667	667	1,478
2022	0	0	0	0	0	64	12	514	11	602	602	1,815
2023	0	0	0	0	0	66	12	456	16	550	550	2,102
2024	0	0	0	0	0	63	12	454	18	547	547	2,367
2025	0	1	1,204	0	1,205	64	12	576	20	671	(534)	2,126
2026	0	0	0	0	0	66	11	626	22	725	725	2,430
2027	0	0	0	0	0	63	11	547	24	645	645	2,682
2028	0	0	0	0	0	68	11	558	26	663	663	2,922
2029	0	0	0	0	0	64	10	415	29	519	519	3,097
2030	0	0	0	0	0	66	10	473	32	580	580	3,279
2031	0	0	0	0	0	63	10	549	35	657	657	3,471
2032	0	0	0	0	0	66	10	494	38	607	607	3,636
2033	0	0	0	0	0	63	9	513	42	627	627	3,794
2034	0	0	0	0	0	63	9	415	45	533	533	3,919
2035	0	1	1,541	0	1,542	65	9	372	49	495	(1,047)	3,690
2036	0	0	0	0	0	65	9	555	53	682	682	3,829
2037	0	0	0	0	0	63	9	574	58	704	704	3,962
2038	0	0	0	0	0	63	9	517	62	652	652	4,077
2039	0	0	0	0	0	66	9	424	67	566	566	4,169
2040	0	0	0	0	0	64	9	445	73	591	591	4,259
2041	0	0	0	0	0	64	9	485	78	637	637	4,349
2042	0	0	0	0	0	66	9	577	84	736	736	4,446
2043	0	0	0	0	0	65	9	528	91	692	692	4,531
2044	0	0	0	0	0	63	9	583	97	752	752	4,616
2045	0	2	1,973	0	1,975	65	8	523	104	701	(1,273)	4,481
2046	0	0	0	0	0	67	8	414	111	600	600	4,540
2047	0	0	0	0	0	67	8	429	118	622	622	4,597
2048	0	0	0	0	0	67	8	591	126	793	793	4,665
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
NOM	0	5	5,658	0	5,663	1,940	343	16,621	1,536	20,441	14,778	
NPV	0	2	1,963	0	1,965	570	132	5,649	279	6,630	4,665	

Discount Rate: 7.51 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 3.37

PARTICIPANT COSTS AND BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0
2015	94	0	65	0	159	941	0	0	941	(782)	(727)
2016	192	0	0	0	192	0	0	0	0	192	(561)
2017	199	0	0	0	199	0	0	0	0	199	(401)
2018	217	0	0	0	217	0	0	0	0	217	(239)
2019	236	0	0	0	236	0	0	0	0	236	(75)
2020	240	0	0	0	240	0	0	0	0	240	81
2021	245	0	0	0	245	0	0	0	0	245	228
2022	252	0	0	0	252	0	0	0	0	252	369
2023	257	0	0	0	257	0	0	0	0	257	503
2024	263	0	0	0	263	0	0	0	0	263	631
2025	266	0	65	0	331	1,204	0	0	1,204	(873)	237
2026	272	0	0	0	272	0	0	0	0	272	351
2027	279	0	0	0	279	0	0	0	0	279	460
2028	286	0	0	0	286	0	0	0	0	286	564
2029	294	0	0	0	294	0	0	0	0	294	663
2030	302	0	0	0	302	0	0	0	0	302	758
2031	310	0	0	0	310	0	0	0	0	310	849
2032	326	0	0	0	326	0	0	0	0	326	937
2033	351	0	0	0	351	0	0	0	0	351	1,026
2034	365	0	0	0	365	0	0	0	0	365	1,111
2035	377	0	65	0	442	1,541	0	0	1,541	(1,099)	871
2036	403	0	0	0	403	0	0	0	0	403	953
2037	418	0	0	0	418	0	0	0	0	418	1,032
2038	434	0	0	0	434	0	0	0	0	434	1,109
2039	451	0	0	0	451	0	0	0	0	451	1,182
2040	466	0	0	0	466	0	0	0	0	466	1,253
2041	485	0	0	0	485	0	0	0	0	485	1,322
2042	505	0	0	0	505	0	0	0	0	505	1,388
2043	535	0	0	0	535	0	0	0	0	535	1,454
2044	559	0	0	0	559	0	0	0	0	559	1,517
2045	585	0	65	0	650	1,973	0	0	1,973	(1,323)	1,377
2046	612	0	0	0	612	0	0	0	0	612	1,437
2047	641	0	0	0	641	0	0	0	0	641	1,496
2048	672	0	0	0	672	0	0	0	0	672	1,553
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
NOM	12,390	0	260	0	12,649	5,658	0	0	5,658	6,991	
NPV	3,406	0	111	0	3,516	1,963	0	0	1,963	1,553	

In Service of Gen Unit: 2019
Discount Rate : 7.51 %
Benefit/Cost Ratio (Col(6) / Col(10)) 1.79

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	1	65	83	0	149	132	0	0	1	133	(16)	(14)
2016	0	0	0	170	0	170	394	15	0	1	410	240	194
2017	0	0	0	175	0	175	331	14	0	0	345	170	330
2018	0	0	0	190	0	190	375	14	0	1	389	199	479
2019	0	0	0	207	0	207	615	14	0	1	629	422	773
2020	0	0	0	211	0	211	707	13	0	1	721	510	1,104
2021	0	0	0	215	0	215	653	13	0	1	667	452	1,376
2022	0	0	0	222	0	222	578	12	0	11	602	380	1,589
2023	0	0	0	226	0	226	522	12	0	16	550	324	1,758
2024	0	0	0	230	0	230	517	12	0	18	547	316	1,911
2025	0	1	65	233	0	299	640	12	0	20	671	373	2,079
2026	0	0	0	238	0	238	692	11	0	22	725	487	2,283
2027	0	0	0	243	0	243	610	11	0	24	645	402	2,440
2028	0	0	0	249	0	249	626	11	0	26	663	413	2,590
2029	0	0	0	256	0	256	479	10	0	29	519	263	2,679
2030	0	0	0	263	0	263	539	10	0	32	580	318	2,778
2031	0	0	0	270	0	270	612	10	0	35	657	387	2,891
2032	0	0	0	282	0	282	560	10	0	38	607	325	2,980
2033	0	0	0	304	0	304	575	9	0	42	627	323	3,061
2034	0	0	0	315	0	315	478	9	0	45	533	218	3,112
2035	0	1	65	326	0	392	437	9	0	49	495	103	3,135
2036	0	0	0	348	0	348	620	9	0	53	682	334	3,203
2037	0	0	0	360	0	360	638	9	0	58	704	344	3,268
2038	0	0	0	374	0	374	580	9	0	62	652	278	3,317
2039	0	0	0	387	0	387	490	9	0	67	566	179	3,346
2040	0	0	0	400	0	400	509	9	0	73	591	191	3,375
2041	0	0	0	416	0	416	550	9	0	78	637	221	3,406
2042	0	0	0	433	0	433	643	9	0	84	736	303	3,446
2043	0	0	0	457	0	457	593	9	0	91	692	235	3,475
2044	0	0	0	478	0	478	646	9	0	97	752	274	3,506
2045	0	2	65	499	0	566	588	8	0	104	701	135	3,520
2046	0	0	0	522	0	522	480	8	0	111	600	78	3,528
2047	0	0	0	546	0	546	495	8	0	118	622	75	3,535
2048	0	0	0	572	0	572	659	8	0	126	793	221	3,554
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	5	260	10,697	0	10,962	18,562	343	0	1,536	20,441	9,480	
NPV	0	2	111	2,964	0	3,076	6,219	132	0	279	6,630	3,554	

Discount Rate 7.51 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 2.16

I. PROGRAM DEMAND SAVINGS & LINE LOSSES

(1) CUSTOMER kW REDUCTION AT METER	67.10 kW
(2) GENERATOR kW REDUCTION PER CUSTOMER	88.22586 kW
(3) kW LINE LOSS PERCENTAGE	7.22 %
(4) GENERATOR kWh REDUCTION PER CUSTOMER	472,273.86 kWh
(5) kWh LINE LOSS PERCENTAGE	5.76 %
(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	35 YEARS
(2) GENERATOR ECONOMIC LIFE	30 YEARS
(3) T&D ECONOMIC LIFE	35 YEARS
(4) K FACTOR FOR GENERATION	1.58642
(5) K FACTOR FOR T & D	1.55920

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	*** \$/CUST/YR
(7) CUSTOMER O & M COST ESCALATION RATE	*** %**
* (8) INCREASED SUPPLY COSTS	*** \$/CUST/YR
* (9) SUPPLY COSTS ESCALATION RATES	*** %**
* (10) UTILITY DISCOUNT RATE	7.54 %
* (11) UTILITY AFUDC RATE	6.50 %
* (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	2014
(2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2019
(3) IN-SERVICE YEAR FOR AVOIDED T&D	2017-2019
(4) BASE YEAR AVOIDED GENERATING COST	776.33 \$/kW
(5) BASE YEAR AVOIDED TRANSMISSION COST	146.90 \$/kW
(6) BASE YEAR DISTRIBUTION COST	24.85 \$/kW
(7) GEN, TRAN & DIST COST ESCALATION RATE	3.00 %**
(8) GENERATOR FIXED O & M COST	58.35 \$/kW/YR
(9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %**
(10) TRANSMISSION FIXED O & M COST	3.53 \$/kW
(11) DISTRIBUTION FIXED O & M COST	2.34 \$/kW
(12) T&D FIXED O&M ESCALATION RATE	2.50 %**
(13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.065 CENTS/kWh
(14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %**
(15) GENERATOR CAPACITY FACTOR	56% ** (In-service year)
(16) AVOIDED GENERATING UNIT FUEL COST	3.85 CENTS PER kWh** (In-service year)
(17) AVOIDED GEN UNIT FUEL COST ESCALATION RATE	4.65 %**

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	*** %

* INPUT DATA -- PART 1 CONTINUED
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

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)
2014	0	14	0	14	10	5	174	0	0	174
2015	0	0	0	0	20	11	0	0	0	0
2016	0	0	0	0	19	11	0	0	0	0
2017	0	0	0	0	20	11	0	0	0	0
2018	0	0	0	0	21	11	0	0	0	0
2019	0	0	0	0	23	12	0	0	0	0
2020	0	0	0	0	25	12	0	0	0	0
2021	0	0	0	0	25	13	0	0	0	0
2022	0	0	0	0	25	14	0	0	0	0
2023	0	0	0	0	26	14	0	0	0	0
2024	0	14	0	14	28	13	222	0	0	222
2025	0	0	0	0	28	13	0	0	0	0
2026	0	0	0	0	29	13	0	0	0	0
2027	0	0	0	0	30	12	0	0	0	0
2028	0	0	0	0	31	12	0	0	0	0
2029	0	0	0	0	32	13	0	0	0	0
2030	0	0	0	0	33	13	0	0	0	0
2031	0	0	0	0	34	13	0	0	0	0
2032	0	0	0	0	35	13	0	0	0	0
2033	0	0	0	0	38	13	0	0	0	0
2034	0	14	0	14	41	13	284	0	0	284
2035	0	0	0	0	42	13	0	0	0	0
2036	0	0	0	0	45	14	0	0	0	0
2037	0	0	0	0	48	14	0	0	0	0
2038	0	0	0	0	50	14	0	0	0	0
2039	0	0	0	0	52	14	0	0	0	0
2040	0	0	0	0	54	14	0	0	0	0
2041	0	0	0	0	56	14	0	0	0	0
2042	0	0	0	0	59	14	0	0	0	0
2043	0	0	0	0	62	14	0	0	0	0
2044	0	14	0	14	66	14	364	0	0	364
2045	0	0	0	0	69	15	0	0	0	0
2046	0	0	0	0	72	15	0	0	0	0
2047	0	0	0	0	76	15	0	0	0	0
2048	0	0	0	0	80	15	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
NOM	1	55	0	56	1,404	453	1,044	0	0	1,044
NPV	0	25	0	26	384	157	389	0	0	389

* SUPPLEMENTAL INFORMATION NOT SPECIFIED IN WORKBOOK
 ** NEGATIVE COSTS WILL BE CALCULATED AS POSITIVE BENEFITS FOR TRC AND RIM TESTS

CALCULATION OF GEN K-FACTOR
PROGRAM METHOD SELECTED REV_REQ
PROGRAM NAME: ██████████

YEAR	(2) BEG-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) TOTAL FIXED CHARGES \$(000)	(12) PRESENT WORTH FIXED CHARGES \$(000)	(13) CUMULATIVE PW FIXED CHARGES \$(000)	(14) REPLACEMENT COST BASIS FOR PROPERTY INSURANCE \$(000)
2019	83	2	0	5	3	1	0	3	0	14	14	14	82
2020	80	2	0	5	2	1	0	3	1	14	13	27	84
2021	76	2	0	5	2	1	0	3	1	14	12	39	86
2022	72	1	0	5	2	1	0	3	1	13	10	50	88
2023	68	1	0	4	2	1	0	3	1	12	9	59	90
2024	65	1	0	4	2	1	0	3	1	12	8	67	92
2025	62	1	0	4	2	1	0	3	1	12	7	75	95
2026	58	1	0	4	2	1	0	3	0	11	7	81	97
2027	55	1	0	3	2	1	0	3	0	11	6	87	99
2028	52	1	0	3	2	1	0	3	0	10	5	93	102
2029	49	1	0	3	2	1	0	3	0	10	5	98	104
2030	46	1	0	3	2	1	0	3	0	9	4	102	107
2031	43	1	0	3	1	1	0	3	0	9	4	105	110
2032	40	1	0	2	1	1	0	3	0	9	3	109	112
2033	37	1	0	2	1	1	0	3	0	8	3	112	115
2034	33	1	0	2	1	1	0	3	0	8	3	114	118
2035	30	1	0	2	1	1	0	3	0	7	2	117	121
2036	27	1	0	2	1	1	0	3	0	7	2	119	124
2037	24	1	0	2	1	1	0	3	0	6	2	120	127
2038	21	0	0	1	1	0	0	3	0	6	1	122	130
2039	18	0	0	1	1	0	0	3	(0)	6	1	123	134
2040	16	0	0	1	2	0	0	3	(1)	5	1	124	137
2041	14	0	0	1	2	0	0	3	(1)	5	1	125	140
2042	12	0	0	1	2	0	0	3	(1)	5	1	126	144
2043	10	0	0	1	1	0	0	3	(1)	4	1	127	148
2044	9	0	0	1	1	0	0	3	(1)	4	1	128	151
2045	7	0	0	0	1	0	0	3	(1)	4	1	128	155
2046	5	0	0	0	1	0	0	3	(1)	4	1	129	159
2047	3	0	0	0	1	0	0	3	(1)	3	0	129	163
2048	2	0	0	0	1	(0)	0	3	(1)	3	0	129	167

IN SERVICE COST	(\$000)	82
IN SERVICE YEAR		2019
BOOK LIFE (YRS)		30
EFFEC. TAX RATE		38.575
DISCOUNT RATE		7.5%
PROPERTY TAX		1.82%
PROPERTY INSURANCE		0.05%

CAPITAL STRUCTURE

SOURCE	WEIGHT	COST	
DEBT	40%	5.14	%
P/S	0%	0.00	%
C/S	60%	10.50	%

K-FACTOR = CPWFC / IN-SVC COST = 1.58642

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(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)
2019	3.75%	3	3	3	3	3	3	0	4	0	0	0	0	(1)
2020	7.22%	6	9	3	5	3	5	1	4	0	0	0	1	0
2021	6.68%	5	14	3	8	3	8	1	4	0	0	0	1	1
2022	6.18%	5	19	3	11	3	10	1	4	0	0	0	1	2
2023	5.71%	5	24	3	14	3	13	1	4	0	0	0	1	3
2024	5.29%	4	28	3	16	3	15	1	4	0	0	0	1	4
2025	4.89%	4	32	3	19	3	18	1	4	0	0	0	1	4
2026	4.52%	4	36	3	22	3	21	0	4	0	0	0	0	5
2027	4.46%	4	39	3	24	3	23	0	4	0	0	0	0	5
2028	4.46%	4	43	3	27	3	26	0	4	0	0	0	0	5
2029	4.46%	4	46	3	30	3	28	0	4	0	0	0	0	6
2030	4.46%	4	50	3	33	3	31	0	4	0	0	0	0	6
2031	4.46%	4	53	3	35	3	33	0	4	0	0	0	0	7
2032	4.46%	4	57	3	38	3	36	0	4	0	0	0	0	7
2033	4.46%	4	61	3	41	3	39	0	4	0	0	0	0	7
2034	4.46%	4	64	3	44	3	41	0	4	0	0	0	0	8
2035	4.46%	4	68	3	46	3	44	0	4	0	0	0	0	8
2036	4.46%	4	71	3	49	3	46	0	4	0	0	0	0	8
2037	4.46%	4	75	3	52	3	49	0	4	0	0	0	0	9
2038	4.46%	4	78	3	54	3	52	0	4	0	0	0	0	9
2039	2.23%	2	80	3	57	3	54	(0)	4	0	0	0	(0)	9
2040	0.00%	0	80	3	60	3	57	(1)	4	0	0	0	(1)	8
2041	0.00%	0	80	3	63	3	59	(1)	4	0	0	0	(1)	7
2042	0.00%	0	80	3	65	3	62	(1)	4	0	0	0	(1)	6
2043	0.00%	0	80	3	68	3	64	(1)	4	0	0	0	(1)	5
2044	0.00%	0	80	3	71	3	67	(1)	4	0	0	0	(1)	4
2045	0.00%	0	80	3	73	3	70	(1)	4	0	0	0	(1)	3
2046	0.00%	0	80	3	76	3	72	(1)	4	0	0	0	(1)	2
2047	0.00%	0	80	3	79	3	75	(1)	4	0	0	0	(1)	1
2048	0.00%	0	80	3	82	3	77	(1)	4	0	0	0	(1)	0

SALVAGE / REMOVAL COST	0.00
YEAR SALVAGE / COST OF REMOVAL	2048
DEFERRED TAXES DURING CONSTRUCTION (SEE PAGE 5)	(1)
TOTAL EQUITY AFUDC CAPITALIZED (SEE PAGE 5)	4
BOOK DEPR RATE - 1/USEFUL LIFE	3.33%

DEFERRED TAX AND MID-YEAR RATE BASE CALCULATION
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(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)
2019	3.75%	3	0	79	3	(1)	83	80	81
2020	7.22%	6	1	76	5	0	80	76	78
2021	6.68%	5	1	73	8	1	76	72	74
2022	6.18%	5	1	71	11	2	72	68	70
2023	5.71%	5	1	68	14	3	68	65	67
2024	5.29%	4	1	65	16	4	65	62	63
2025	4.89%	4	1	63	19	4	62	58	60
2026	4.52%	4	0	60	22	5	58	55	57
2027	4.46%	4	0	57	24	5	55	52	54
2028	4.46%	4	0	54	27	5	52	49	51
2029	4.46%	4	0	52	30	6	49	46	47
2030	4.46%	4	0	49	33	6	46	43	44
2031	4.46%	4	0	46	35	7	43	40	41
2032	4.46%	4	0	44	38	7	40	37	38
2033	4.46%	4	0	41	41	7	37	33	35
2034	4.46%	4	0	38	44	8	33	30	32
2035	4.46%	4	0	35	46	8	30	27	29
2036	4.46%	4	0	33	49	8	27	24	26
2037	4.46%	4	0	30	52	9	24	21	23
2038	4.46%	4	0	27	54	9	21	18	20
2039	2.23%	2	(0)	24	57	9	18	16	17
2040	0.00%	0	(1)	22	60	8	16	14	15
2041	0.00%	0	(1)	19	63	7	14	12	13
2042	0.00%	0	(1)	16	65	6	12	10	11
2043	0.00%	0	(1)	14	68	5	10	9	9
2044	0.00%	0	(1)	11	71	4	9	7	8
2045	0.00%	0	(1)	8	73	3	7	5	6
2046	0.00%	0	(1)	5	76	2	5	3	4
2047	0.00%	0	(1)	3	79	1	3	2	3
2048	0.00%	0	(1)	(0)	82	0	2	0	1

* Column not specified in workbook

(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)
2014	-5	0.00%	1.000	0.11%	0.83	0.41
2015	-4	3.00%	1.030	0.28%	2.26	1.96
2016	-3	3.00%	1.061	8.69%	71.58	38.88
2017	-2	3.00%	1.093	53.83%	456.61	302.97
2018	-1	3.00%	1.126	37.09%	324.11	693.33

100.00% 855.39

YEAR	(8) NO. YEARS BEFORE IN-SERVICE	(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)
2014	-5	0.41	0.01	0.01	0.03	0.03	0.02	0.02	(0.00)	(0.00)	0.86	0.86
2015	-4	1.99	0.04	0.05	0.13	0.16	0.10	0.12	(0.02)	(0.03)	2.39	3.24
2016	-3	39.03	0.76	0.81	2.54	2.70	2.01	2.13	(0.48)	(0.51)	74.12	77.36
2017	-2	305.67	5.95	6.76	19.90	22.60	15.69	17.82	(3.76)	(4.27)	476.51	553.87
2018	-1	715.93	13.99	20.74	46.81	69.41	36.57	54.39	(8.71)	(12.98)	370.93	924.80

20.74

69.41

54.39

(12.98)

924.80

IN SERVICE YEAR	2019
PLANT COSTS	776,326,284.5
AFUDC RATE	6.50%

	BOOK BASIS	BOOK BASIS FOR DEF TAX	TAX BASIS
CONSTRUCTION CASH	75	75	75
EQUITY AFUDC	4		
DEBT AFUDC	2	2	
CPI			5
TOTAL	82	77	80

* Column not specified in workbook

INPUT DATA -- PART 2
PROGRAM METHOD SELECTED : REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)*	(7)	(8)	(9)
YEAR	CUMULATIVE TOTAL PARTICIPATING CUSTOMERS	ADJUSTED CUMULATIVE PARTICIPATING CUSTOMERS	UTILITY AVERAGE SYSTEM FUEL COST (C/kWh)	AVOIDED MARGINAL FUEL COST (C/kWh)	INCREASED MARGINAL FUEL COST (C/kWh)	REPLACEMENT FUEL COST (C/kWh)	PROGRAM kW EFFECTIVENESS FACTOR	PROGRAM kWh EFFECTIVENESS FACTOR
2014	1	1	3.60	7.12	3.60	0.00	1.00	1.00
2015	1	1	4.45	8.42	4.45	0.00	1.00	1.00
2016	1	1	4.92	12.24	4.92	0.00	1.00	1.00
2017	1	1	4.27	10.29	4.27	0.00	1.00	1.00
2018	1	1	5.27	11.75	5.27	0.00	1.00	1.00
2019	1	1	5.38	16.61	5.38	5.05	1.00	1.00
2020	1	1	5.65	19.65	5.65	5.04	1.00	1.00
2021	1	1	5.65	18.15	5.65	5.11	1.00	1.00
2022	1	1	5.60	15.84	5.60	5.07	1.00	1.00
2023	1	1	5.60	14.15	5.60	5.17	1.00	1.00
2024	1	1	5.81	14.12	5.81	5.46	1.00	1.00
2025	1	1	5.98	17.69	5.98	5.61	1.00	1.00
2026	1	1	5.73	19.09	5.73	5.73	1.00	1.00
2027	1	1	6.01	16.85	6.01	6.01	1.00	1.00
2028	1	1	6.07	17.17	6.07	6.10	1.00	1.00
2029	1	1	6.28	13.07	6.28	6.40	1.00	1.00
2030	1	1	6.34	14.76	6.34	6.40	1.00	1.00
2031	1	1	6.57	17.01	6.57	6.72	1.00	1.00
2032	1	1	6.62	15.42	6.62	6.79	1.00	1.00
2033	1	1	6.97	16.02	6.97	7.12	1.00	1.00
2034	1	1	7.05	13.20	7.05	7.32	1.00	1.00
2035	1	1	7.19	11.99	7.19	7.51	1.00	1.00
2036	1	1	7.47	17.33	7.47	7.70	1.00	1.00
2037	1	1	7.68	17.92	7.68	8.03	1.00	1.00
2038	1	1	7.94	16.32	7.94	8.32	1.00	1.00
2039	1	1	8.12	13.64	8.12	8.48	1.00	1.00
2040	1	1	8.35	14.31	8.35	8.85	1.00	1.00
2041	1	1	8.67	15.52	8.67	9.11	1.00	1.00
2042	1	1	8.99	18.22	8.99	9.45	1.00	1.00
2043	1	1	9.27	16.85	9.27	9.80	1.00	1.00
2044	1	1	9.60	18.50	9.60	10.24	1.00	1.00
2045	1	1	9.94	16.83	9.94	10.56	1.00	1.00
2046	1	1	10.25	13.72	10.25	10.91	1.00	1.00
2047	1	1	10.57	14.20	10.57	11.25	1.00	1.00
2048	1	1	11.00	18.99	11.00	11.71	1.00	1.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00
	0	0	0.00	0.00	0.00	0.00	0.00	0.00

* 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.

AVOIDED GENERATING BENEFITS
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

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)
2014	0	0	0	0	0	0
2015	0	0	0	0	0	0
2016	0	0	0	0	0	0
2017	0	0	0	0	0	0
2018	0	0	0	0	0	0
2019	14	6	0	17	22	15
2020	14	6	1	30	37	13
2021	14	6	1	30	38	13
2022	13	6	1	31	37	14
2023	12	6	1	33	38	14
2024	12	7	1	34	40	13
2025	12	7	1	36	41	14
2026	11	7	1	35	40	14
2027	11	7	1	36	41	14
2028	10	7	1	38	42	15
2029	10	7	1	39	44	14
2030	9	8	1	40	44	14
2031	9	8	1	42	46	13
2032	9	8	1	44	47	14
2033	8	8	1	46	49	13
2034	8	8	1	48	51	14
2035	7	9	1	49	52	14
2036	7	9	1	51	54	14
2037	6	9	1	53	56	14
2038	6	9	1	55	58	13
2039	6	10	1	57	59	14
2040	5	10	1	59	61	14
2041	5	10	1	61	63	14
2042	5	10	1	64	66	14
2043	4	11	1	66	68	14
2044	4	11	1	69	71	13
2045	4	11	1	71	73	14
2046	4	11	1	74	76	14
2047	3	12	1	76	78	14
2048	3	12	1	80	81	14
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
NOM	245	256	22	1,464	1,573	414
NPV	90	66	6	351	391	121

TOTAL RESOURCE COST TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	174	0	174	0	0	17	0	17	(157)	(157)
2015	0	0	0	0	0	0	3	40	0	43	43	(117)
2016	0	0	0	0	0	0	3	58	0	61	61	(64)
2017	0	0	0	0	0	0	3	49	0	52	52	(22)
2018	0	0	0	0	0	0	3	55	0	58	58	21
2019	0	0	0	0	0	15	3	78	0	97	97	88
2020	0	0	0	0	0	13	3	93	0	109	109	159
2021	0	0	0	0	0	13	3	86	0	101	101	220
2022	0	0	0	0	0	14	3	75	2	93	93	271
2023	0	0	0	0	0	14	2	67	2	86	86	316
2024	0	0	222	0	222	13	2	67	3	85	(137)	249
2025	0	0	0	0	0	14	2	84	3	102	102	296
2026	0	0	0	0	0	14	2	90	3	110	110	341
2027	0	0	0	0	0	14	2	80	4	99	99	380
2028	0	0	0	0	0	15	2	81	4	102	102	417
2029	0	0	0	0	0	14	2	62	4	82	82	444
2030	0	0	0	0	0	14	2	70	5	90	90	472
2031	0	0	0	0	0	13	2	80	5	101	101	502
2032	0	0	0	0	0	14	2	73	6	94	94	527
2033	0	0	0	0	0	13	2	76	6	97	97	552
2034	0	0	284	0	285	14	2	62	7	84	(200)	505
2035	0	0	0	0	0	14	2	57	7	80	80	522
2036	0	0	0	0	0	14	2	82	8	105	105	543
2037	0	0	0	0	0	14	2	85	8	109	109	564
2038	0	0	0	0	0	13	2	77	9	101	101	582
2039	0	0	0	0	0	14	2	64	10	90	90	596
2040	0	0	0	0	0	14	2	68	11	94	94	611
2041	0	0	0	0	0	14	2	73	12	100	100	625
2042	0	0	0	0	0	14	2	86	12	114	114	640
2043	0	0	0	0	0	14	2	80	13	108	108	653
2044	0	0	364	0	365	13	2	87	14	117	(248)	625
2045	0	0	0	0	0	14	2	79	15	110	110	636
2046	0	0	0	0	0	14	2	65	16	97	97	646
2047	0	0	0	0	0	14	2	67	17	100	100	655
2048	0	0	0	0	0	14	2	90	19	124	124	665
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
NOM	0	1	1,044	0	1,046	414	73	2,500	226	3,213	2,168	
NPV	0	0	389	0	389	121	29	863	41	1,055	665	

Discount Rate: 7.54 %
Benefit/Cost Ratio (Col(11) / Col(6)) : 2.71

PARTICIPANT COSTS AND BENEFITS
 PROGRAM METHOD SELECTED: REV_REQ
 PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILLS \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O&M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	15	0	14	0	29	174	0	0	174	(145)	(145)
2015	31	0	0	0	31	0	0	0	0	31	(116)
2016	30	0	0	0	30	0	0	0	0	30	(90)
2017	31	0	0	0	31	0	0	0	0	31	(65)
2018	32	0	0	0	32	0	0	0	0	32	(41)
2019	35	0	0	0	35	0	0	0	0	35	(16)
2020	37	0	0	0	37	0	0	0	0	37	8
2021	38	0	0	0	38	0	0	0	0	38	31
2022	39	0	0	0	39	0	0	0	0	39	52
2023	40	0	0	0	40	0	0	0	0	40	73
2024	41	0	14	0	54	222	0	0	222	(168)	(8)
2025	41	0	0	0	41	0	0	0	0	41	11
2026	42	0	0	0	42	0	0	0	0	42	28
2027	43	0	0	0	43	0	0	0	0	43	45
2028	44	0	0	0	44	0	0	0	0	44	61
2029	45	0	0	0	45	0	0	0	0	45	75
2030	46	0	0	0	46	0	0	0	0	46	90
2031	47	0	0	0	47	0	0	0	0	47	103
2032	48	0	0	0	48	0	0	0	0	48	116
2033	51	0	0	0	51	0	0	0	0	51	129
2034	54	0	14	0	68	284	0	0	284	(217)	79
2035	56	0	0	0	56	0	0	0	0	56	91
2036	58	0	0	0	58	0	0	0	0	58	102
2037	61	0	0	0	61	0	0	0	0	61	114
2038	63	0	0	0	63	0	0	0	0	63	125
2039	66	0	0	0	66	0	0	0	0	66	136
2040	68	0	0	0	68	0	0	0	0	68	146
2041	70	0	0	0	70	0	0	0	0	70	156
2042	73	0	0	0	73	0	0	0	0	73	166
2043	76	0	0	0	76	0	0	0	0	76	175
2044	80	0	14	0	94	364	0	0	364	(270)	144
2045	84	0	0	0	84	0	0	0	0	84	153
2046	87	0	0	0	87	0	0	0	0	87	162
2047	91	0	0	0	91	0	0	0	0	91	170
2048	95	0	0	0	95	0	0	0	0	95	178
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
NOM	1,858	0	55	0	1,913	1,044	0	0	1,044	869	
NPV	541	0	25	0	567	389	0	0	389	178	

In Service of Gen Unit: 2019
 Discount Rate : 7.54 %
 Benefit/Cost Ratio (Col(6) / Col(10)) 1.46

RATE IMPACT TEST
PROGRAM METHOD SELECTED: REV_REQ
PROGRAM NAME: ██████████

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT & FUEL BENEFITS \$(000)	AVOIDED T&D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2014	0	0	14	15	0	29	17	0	0	0	17	(12)	(12)
2015	0	0	0	31	0	31	40	3	0	0	43	12	(1)
2016	0	0	0	30	0	30	58	3	0	0	61	31	26
2017	0	0	0	31	0	31	49	3	0	0	52	21	42
2018	0	0	0	32	0	32	55	3	0	0	58	26	62
2019	0	0	0	35	0	35	94	3	0	0	97	62	105
2020	0	0	0	37	0	37	106	3	0	0	109	72	151
2021	0	0	0	38	0	38	98	3	0	0	101	63	189
2022	0	0	0	39	0	39	88	3	0	2	93	53	219
2023	0	0	0	40	0	40	81	2	0	2	86	45	243
2024	0	0	14	41	0	55	80	2	0	3	85	30	257
2025	0	0	0	41	0	41	97	2	0	3	102	61	285
2026	0	0	0	42	0	42	104	2	0	3	110	68	313
2027	0	0	0	43	0	43	93	2	0	4	99	56	335
2028	0	0	0	44	0	44	96	2	0	4	102	58	356
2029	0	0	0	45	0	45	75	2	0	4	82	37	369
2030	0	0	0	46	0	46	84	2	0	5	90	45	383
2031	0	0	0	47	0	47	94	2	0	5	101	54	398
2032	0	0	0	48	0	48	87	2	0	6	94	46	411
2033	0	0	0	51	0	51	89	2	0	6	97	46	423
2034	0	0	14	54	0	68	76	2	0	7	84	16	426
2035	0	0	0	56	0	56	70	2	0	7	80	24	431
2036	0	0	0	58	0	58	96	2	0	8	105	47	441
2037	0	0	0	61	0	61	98	2	0	8	109	47	450
2038	0	0	0	63	0	63	90	2	0	9	101	38	457
2039	0	0	0	66	0	66	79	2	0	10	90	24	461
2040	0	0	0	68	0	68	81	2	0	11	94	26	464
2041	0	0	0	70	0	70	87	2	0	12	100	30	469
2042	0	0	0	73	0	73	100	2	0	12	114	41	474
2043	0	0	0	76	0	76	93	2	0	13	108	32	478
2044	0	0	14	80	0	94	101	2	0	14	117	23	481
2045	0	0	0	84	0	84	93	2	0	15	110	27	483
2046	0	0	0	87	0	87	79	2	0	16	97	10	484
2047	0	0	0	91	0	91	81	2	0	17	100	9	485
2048	0	0	0	95	0	95	104	2	0	19	124	29	488
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOM.	0	1	55	1,858	0	1,914	2,914	73	0	226	3,213	1,299	
NPV	0	0	25	541	0	567	984	29	0	41	1,055	488	

Discount Rate 7.54 %
Benefit/Cost Ratio (Col(12) / Col(7)) : 1.86

Customers that no longer participate on FPL's Commercial/Industrial Load Control (CILC) and Commercial/Industrial Demand Reduction Rates (January through December 2015)

<u>Customer Name</u>	<u>Effective Date</u>	<u>Prior Rate</u>	<u>Firm Rate</u>	<u>Remarks</u>
Customer No. 1	10/13/2015	CILC	GSLDT-1	Customer requested to exit the rate and load offset by increase in participating load by another existing CILC customer.
Customer No. 2	11/25/2015	CILC	GSDT-1	No Longer Qualifies for CILC
Customer No. 3	1/15/2015	CDR	Not Applicable	Account Final Billed
Customer No. 4	1/17/2015	CDR	HLFT-1	No Longer Qualifies for CDR
Customer No. 5	11/9/2015	CDR	Not Applicable	Account Final Billed
Customer No. 6	11/27/2015	CDR	Not Applicable	Account Final Billed

Conservation Research & Development (CRD) Program

Deep Retrofits of Existing Homes (Building America Project – Phase II)

This is a continuation of a multi-year project FPL co-funded with the U.S. Department of Energy (DOE) to quantify and contrast the demand reductions, energy savings and paybacks associated with “deep” energy efficiency retrofit measures of existing homes in Florida’s climate. The study results should assist customers in prioritizing which energy efficiency upgrades would have the biggest impacts for them. In Phase I, which ended in 2014, 60 homes received “light” retrofits such as efficient lighting, water heater tank insulation and shortened pool pump operating schedules and ten homes received “deep” retrofits such as seasonal energy efficiency ratio (SEER) 16 high efficiency HVAC units, heat pump water heaters and targeted upgrades to Energy Star® appliances. Phase II, which began in fourth quarter 2014, added different deep retrofit technologies in a subset of the original 60 light retrofit homes. These retrofits included: learning thermostats (25 homes); ultra-high efficiency mini-split ductless air conditioners (11 homes); ducting of cool air from heat pump water heaters (8 homes); super-efficient Energy Star clothes washers and dryers (8 homes); variable-speed pool pumps (5 homes); and high efficiency windows and exterior wall insulation (2 homes). The monitoring and analysis ran through year-end 2015 and a final report was provided in first quarter 2016.

Commercial Rooftop HVAC Retrofit with Variable Speed Air Handler Fan

A 60-ton HVAC unit at a host supermarket in Miami was retrofitted with the Enerfit controller. Based on real-time feedback from multiple temperature and pressure sensors, the Enerfit slows down the air handler fan whenever maximum cooling capacity is not needed (essentially turning the existing fan motor into a variable speed drive) which could save energy and increase dehumidification. The monitoring and analysis ran through year-end 2015 and a final report was provided in first quarter 2016.

Residential Smart Thermostats – Small Scale Tests and Larger Trial

FPL has tested various smart thermostat technologies. Beginning in 2012 and continuing through 2015, FPL conducted small-scale tests of algorithm-based devices. The purpose of these limited tests was to gather directional data to determine if these types of technologies might produce energy savings (and, if so, how much) and whether it could be beneficial to perform subsequent broader testing.

FPL also conducted a larger trial of non-algorithm-based devices to assess the technical feasibility, customer acceptance and demand and energy impacts of broadband-connected thermostats which can be accessed and controlled via customer-owned mobile devices (i.e., smartphones and tablets). In late 2013, FPL installed equipment in the homes of 178 volunteer participants. These participants agreed to allow FPL to perform load control tests using the thermostats during the trial period to provide data on equipment capabilities and customer response to such events (including whether they opted out). The trial period ended in late 2014 and analysis of the results was completed in 2015.

Load Control Hardware Testing

The purpose of this project is to test the capabilities of “next generation” load control switches as possible upgrades from the transponder currently used in the Residential Load Management program. Initial capabilities and qualification testing was conducted in a lab environment to begin the determination of whether the purported key features and functionality might provide additional benefits to FPL’s customers. Lab testing of the type of switch which communicates over the same network used for FPL’s Automated Metering Infrastructure was completed in 2015.

Renewable Research and Demonstration (RRD) Project**Renewable Demonstration Projects**

FPL installed photovoltaic (PV) systems at governmental and non-profit customer locations as demonstration sites to raise awareness of renewable energy and educate visitors. The final project, a six kW system at the Elliot Museum in Stuart, was installed in October, 2015.

APPENDIX A

Measures associated with savings of up to \$250

Title:	CFL Bulbs Indoor
FPL tip:	Replace 4 60 Watt standard light bulbs you use 4 hours a day with compact fluorescent light (CFL) bulbs
Assumptions:	60 Watt equivalent CFL bulbs use 15 Watts or less. Assume four indoor light bulbs are on at least four hours a day.
Energy Calculation:	$(60-15/60) = 75\%$
Annual Energy savings:	75%
Calculation:	$4 \times (60-15)\text{Watts} / 1,000\text{W/kW} \times 4\text{h/day} \times 365\text{day/year} \times 0.10\$/\text{kWh} = \$26/\text{year}$
Annual \$ savings:	\$26

Title:	CFL Bulbs Outdoor
FPL tip:	Replace 1 60 Watt standard light bulb you leave on 12 hours a night for security with a CFL bulb
Assumptions:	60 Watt equivalent CFL bulbs use 15 Watts or less. Assume 1 outdoor light bulb is on 12 hours a night for security.
Calculation:	$1 \times (60-15)\text{Watts} / 1,000\text{W/kW} \times 12\text{h/day} \times 365\text{day/year} \times 0.10\$/\text{kWh} = \$20/\text{year}$
Annual \$ savings:	\$20

Title:	Low Flow Showerheads
FPL tip:	You can cut your hot water usage by replacing old showerheads with water-efficient models.
Assumptions:	Replace 3 gallon per minute showerhead with 1.5 gallon per minute model. Assume 2 showerhead replacements per home
Annual \$ savings:	\$80
Source:	Energy Efficient Home Study, Quantum Consulting.

Title:	Water Heater Temperature
FPL Tip:	Lower your water heater temperature by 20 degrees. (From 140 degrees to 120 degrees.)
Assumptions:	Based on a 50 gallon water heater with an Energy Factor (EF) of 0.91
Annual kWh saved:	95
Calculation:	$95 \text{ kWh} \times \$0.10 \text{ per kWh} = \$10/\text{year}$
Annual \$ Saved:	\$10
Source:	Florida Solar Energy Center, Carlos Colon, Water Heating lab, 2013

Title:	Ceiling Fans
FPL Tip:	Be sure to turn off the fan when leaving a room. Turning off a ceiling fan from running all the time will result in energy savings.
Assumptions:	95 Watts on high speed 24 hours a day
Calculation:	$0.095\text{kW} \times 730\text{h/month} \times \$0.10/\text{kWh} = \$7/\text{month} \times 12 \text{ months} = \84
Annual \$ Saved:	\$84
Source:	Florida Solar Energy Center fan Wattage chart

Title:	Wash Clothes in Cold Water
FPL Tip:	When using your washing machine, use cold water instead of hot water.
Assumptions:	Based on the energy to heat the water in a conventional clothes washer
Annual kWh saved:	299
Average \$/kWh:	\$0.10
Annual \$ Saved:	\$30
Source:	Annual kWh to heat water from Energy Star Calculator - clothes washers 2012

Title:	Power Strips
FPL Tip:	Use a power strip to turn off your desktop computer and accessories when not in use
Assumptions:	Turn off desktop PC, monitor, printer, and speakers after 5 hours Desktop with LCD screen 22 Watts in sleep mode, multi-function printer left on 9 Watts, PC speakers left on 4 Watts
Calculation:	$(22+9+4)\text{Watts} / 1000\text{W/kW} \times 19 \text{ hours} \times 365 \text{ days} = 242 \text{ kWh}$
Average \$/kWh:	\$0.10
Annual \$ Saved:	\$24
Source:	E Source Watts by appliance compiled from Lawrence Berkley National Lab plug load table 2012

Total Savings	\$274
----------------------	--------------

5% Savings for Thermostat Setpoint

76° Thermostat Setting	1,130 kWh Usage
82° Thermostat Setting	827 kWh Usage
% Difference	$(828-1,130)/1,130 = -27\%$
% Savings with 1° increase in setting	$(-27\%/(82-76=6)) = -4.5\%$

**Just click to find
personalized savings.**



**YOUR
ENERGY
USAGE**

Now, it's even easier to get a detailed analysis of your home's energy use and a personalized plan that can help your family save up to \$250 a year. Go to FPL.com/EasyToSave to take the Online Home Energy Survey and make your bill even lower.

Haz clic para encontrar ahorros personalizados.



TU USO DE
ENERGÍA

Ahora es fácil obtener un análisis detallado del consumo de energía de tu hogar, y un plan personalizado para ayudar a tu familia a ahorrar hasta \$250 al año. Visita FPL.com/Ahorros para completar el Estudio Online Residencial y haz que tu cuenta sea aún más baja.



The weather is always reflected in your energy bill.

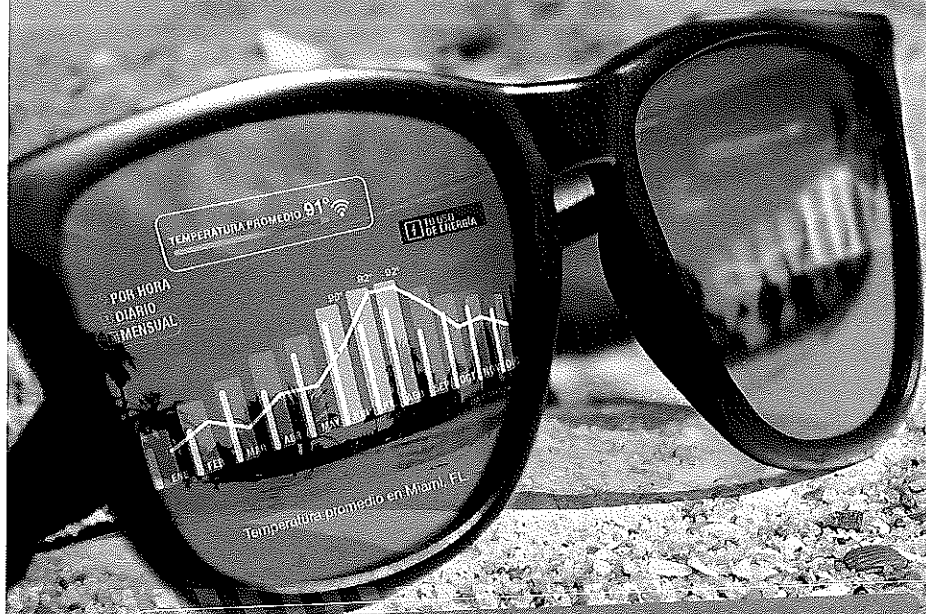
SAVE UP TO
\$250
A YEAR

Our smart tools help you see how temperature affects your bill.

This summer's unusually high temperatures have air conditioners across the Sunshine State working overtime. With your online energy dashboard and the Online Home Energy Survey, you can learn new ways to control your energy use, even on the hottest days of the year. Take the survey to see how you can save up to \$250 a year at FPL.com/EasyToSave.



CHANGING THE CURRENT FPL



El clima siempre se refleja en tu cuenta de energía.

AHORRA HASTA
\$250
AL AÑO

Descubre cómo la temperatura afecta tu cuenta con nuestras herramientas inteligentes.

Las altas temperaturas inusuales de este verano tienen a las unidades de aire acondicionado a través de la Florida trabajando al máximo. Con tu panel online de energía y el Estudio Online Residencial, podrás aprender nuevas maneras de controlar tu uso de energía, inclusive durante los días más calurosos del año. Toma el estudio y descubre cómo puedes ahorrar hasta \$250 al año en FPL.com/Ahorros.



CAMBIANDO LA CORRIENTE. **FPL**

Business HVAC - DX Savings associated with a typical Small GSD Customer

EER	10 Existing Unit
EER	12 Proposed Unit
KW/Ton	1.2 kW/Ton for Existing Unit
KW/Ton	1 kW/Ton for Proposed Unit
KW Savings/Ton	0.2

Demand	10 Tons A/C Rooftop
	75% Diversity Demand
	10 Months Cooling Operation
	10.9 \$/kWd
Demand Bill Savings	\$164

Energy	10 Tons A/C Rooftop
	60% Diversity Energy
	3,869 Hours of Operation
	0.1 \$/kWh
Energy Savings	\$233

Business HVAC - DX Savings	\$398
-----------------------------------	--------------

Business Load Control Program	
10 ton packaged rooftop unit	10 Tons
\$2/Ton per month	\$20 Per month (\$2 x 10 tons)
7 months/year (program available)	\$140 Savings (\$20/month X 7 Months)

Business Load Control Savings	\$140
--------------------------------------	--------------

Total Savings	\$538
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HOURLY
DAILY
MONTHLY

YOUR BUSINESS ENERGY USAGE

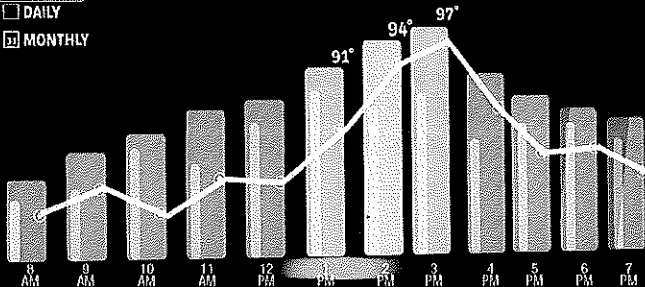


CHART VIEW

SMART TOOLS 

Tiffany Spence
FPL energy expert

Smart tools for even smarter savings.

See how you can save up to \$500 a year.

Your FPL Online Business Energy Dashboard can help you find new ways to save, and a free Business Energy Evaluation can help you save even more. View your dashboard and schedule your free evaluation today at FPL.com/EasyToSave.

CHANGING THE CURRENT  FPL



SAVE UP TO
\$500
A YEAR

FREE



Smart technology is helping businesses across Florida.

And now, what powers that technology is smart, too. You can save energy and money when you schedule a free FPL Business Energy Evaluation at FPL.com/EasyToSave.

Tiffany Spence
FPL energy expert

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Juan Lopez
FPL energy expert

FPL's smart tools can help you save up to \$500 a year.

Learn how to manage your energy use with FPL's Online Business Energy Dashboard, and with a free Business Energy Evaluation, you'll find new ways to save. Visit FPL.com/EasyToSave to schedule yours today.



Kyle Martin
FPL energy expert

**Just click to get
into the business
of saving energy
and money.**

Schedule a free FPL Business Energy Evaluation and find new ways to save up to \$500 a year. Learn how at FPL.com/EasyToSave.

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Milagros Rolle
FPL energy expert

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into the business
of saving energy
and money.**

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Milagros Rolle
FPL energy expert

**Just click to find
new ways to save
at your business.**

Save up to \$500 a year when you schedule a free FPL Business Energy Evaluation. Learn how at FPL.com/EasyToSave.

**Just click to treat
yourself to energy
savings.**

Schedule a free FPL Business
Energy Evaluation and find
new ways to save up to \$500
a year. Learn how at
FPL.com/EasyToSave.



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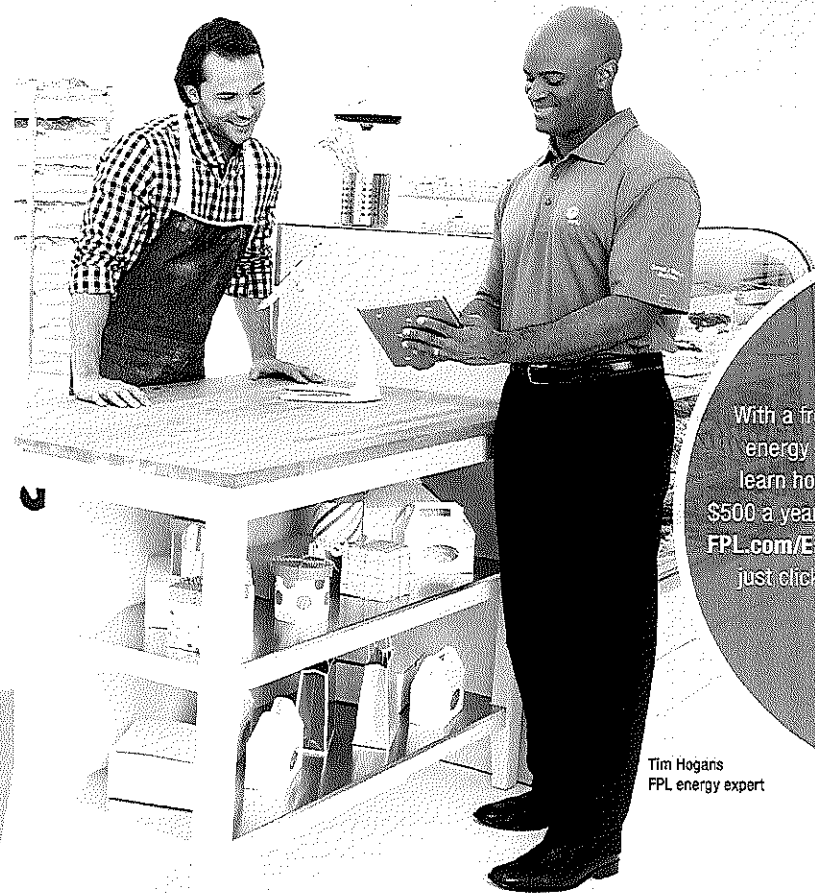


**Just click to make
your business
more energy
efficient.**

Schedule your Business Energy Evaluation today and find new ways to control and lower your energy use to save up to \$500 a year. Learn how at FPL.com/EasyToSave.



**Together, we can find new ways to save energy
and money for your business.**

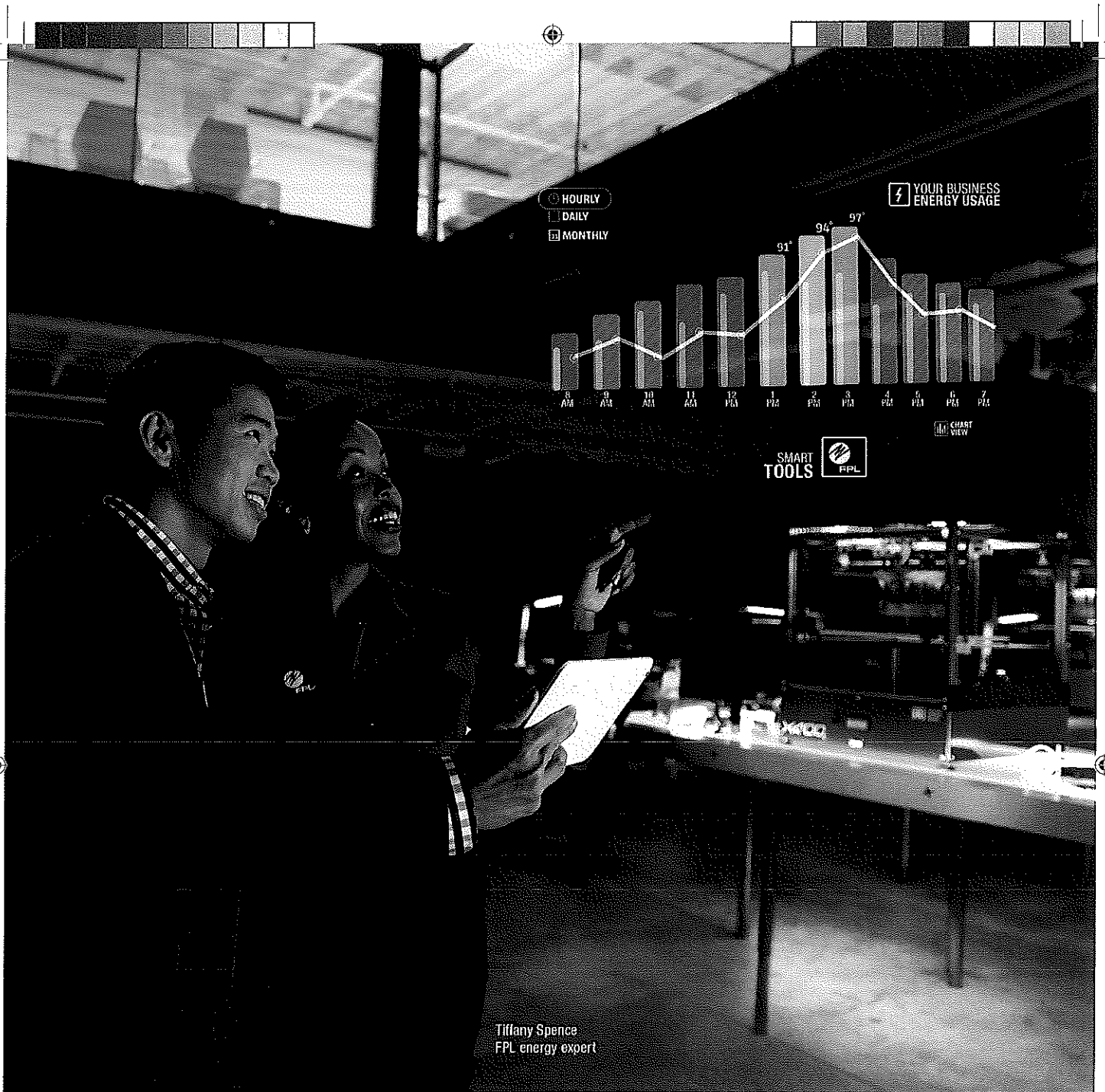


With a free visit from an energy expert, you can learn how to save up to \$500 a year. Learn how at FPL.com/EasyToSave and just click to get started.

Tim Hogans
FPL energy expert

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Tiffany Spence
FPL energy expert

Smart technology is helping businesses bring new ideas to life.

And now, it can help you save energy and money.

With FPL's smart tools, like the online business energy dashboard, you can see your company's energy usage by the hour to make smart decisions for your business. Visit FPL.com/EasyToSave to schedule a free Business Energy Evaluation and save up to \$500 a year.



CHANGING THE CURRENT. FPL.

HOURLY
DAILY
MONTHLY

YOUR BUSINESS ENERGY USAGE

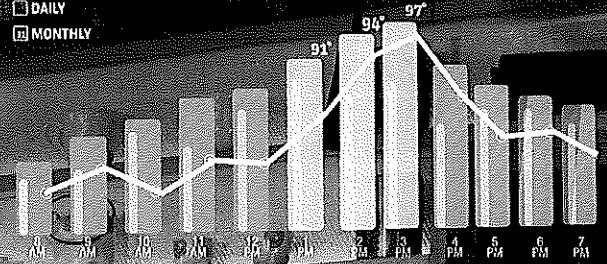


CHART VIEW

SMART TOOLS



Kyle Martin
FPL energy expert

Let our smart tools help you save energy and money.

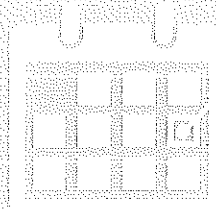
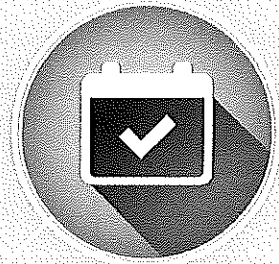
FPL can help you save up to \$500 a year on your bill.

With your Online Business Energy Dashboard, and a free Business Energy Evaluation, you'll find smart, new ways to help your business save energy and money. Schedule your free Business Energy Evaluation today at FPL.com/EasyToSave.

CHANGING THE CURRENT FPL



Just click to find energy savings at your business.



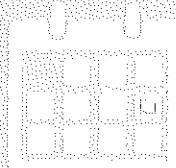
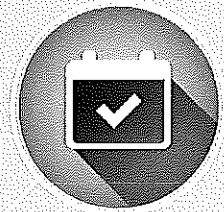
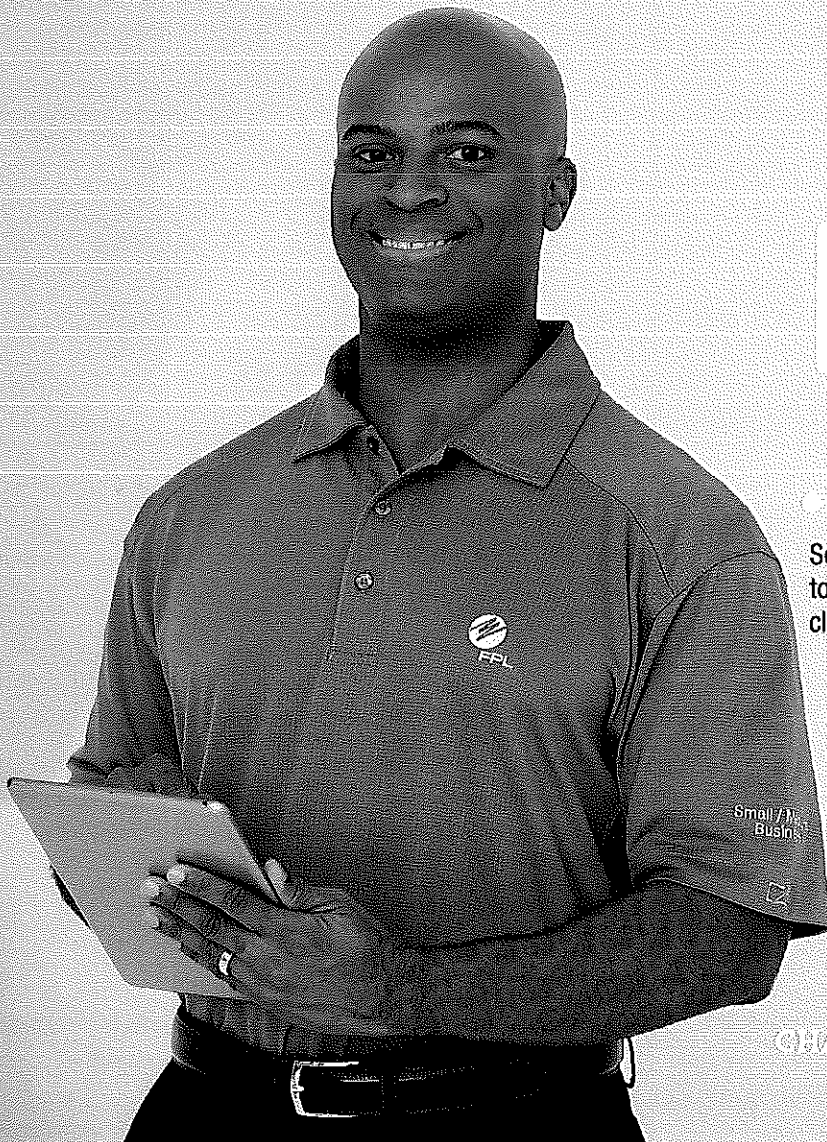
**SCHEDULE A
FREE EVALUATION**

Together, we can find new ways to save energy and make your bill even lower. Schedule your free Business Energy Evaluation today. Go to [FPL.com/EasyToSave](https://www.fpl.com/EasyToSave) and just click to get started.



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Together, we can examine new ways
to save energy and make your
bill even lower.



**SCHEDULE A
FREE EVALUATION**

Schedule your free Business Energy Evaluation
today. Go to FPL.com/EasyToSave and just
click to get started.

CHANGING THE CURRENT



Hot design ideas to keep your bill cool.



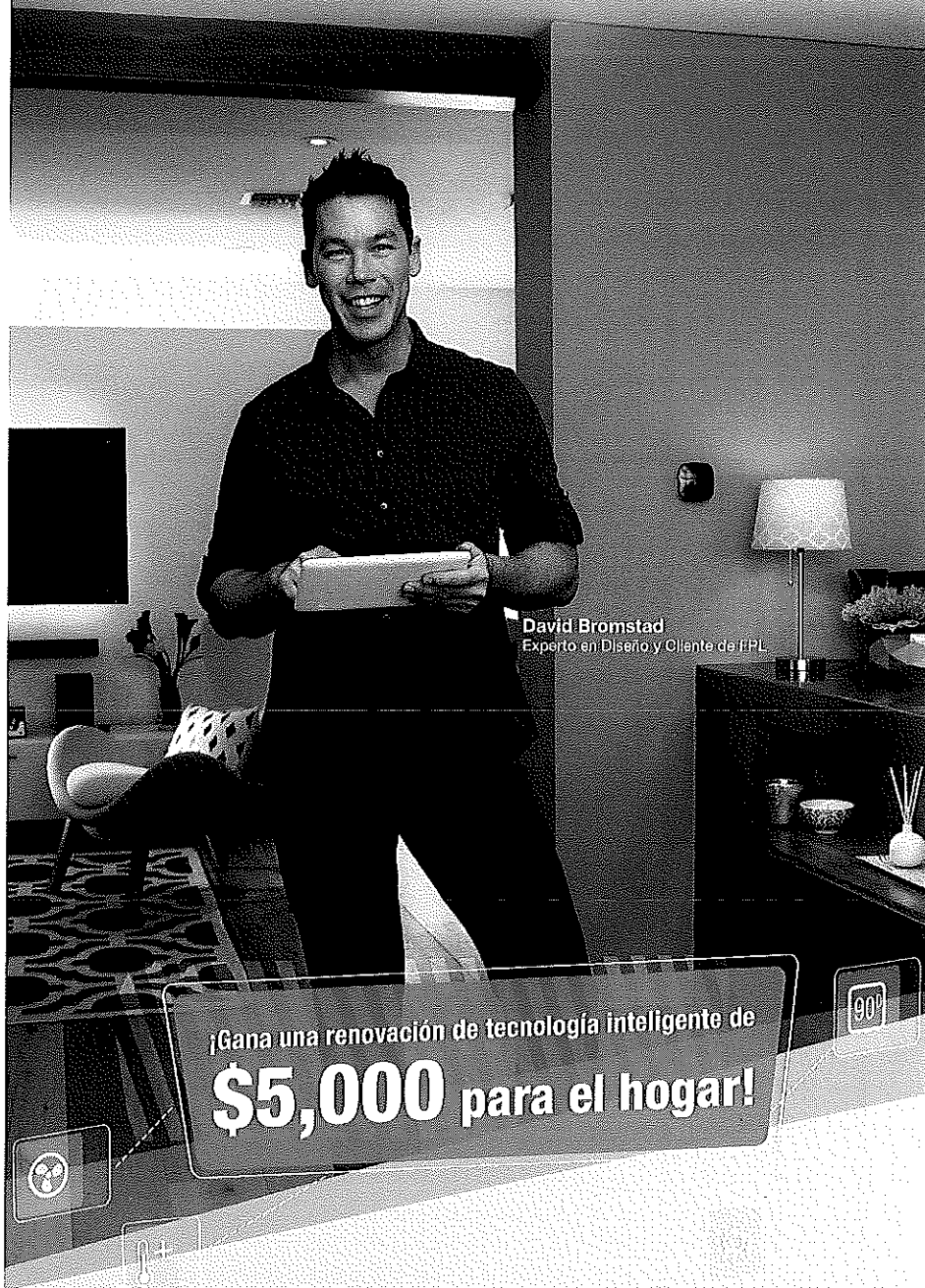
David Bromstad
Design Expert & FPL Customer

Win a \$5,000
Smart Home Energy Makeover

Save energy and stay cool in style when you enter to win a \$5,000 Smart Home Energy Makeover. Take the Online Home Energy Survey by October 31, 2015, and you'll be automatically entered to win energy-smart upgrades for your home. Go to FPL.com/EasyToSave for hot design ideas from design expert and FPL customer, David Bromstad, and for your chance to win!

Visit the FPL Smart Home Energy Experience during the Miami Home Design & Remodeling Show, September 4-8 at the Miami Beach Convention Center.

Baja tu cuenta de energía con estilo.



David Bromstad
Experto en Diseño y Cliente de FPL

¡Gana una renovación de tecnología inteligente de
\$5,000 para el hogar!

Ahorra energía y no pierdas el estilo cuando participes para ganar una renovación de tecnología inteligente de \$5,000. Toma el Estudio Online Residencial antes del 31 de octubre del 2015 y quedarás inscrito automáticamente para ganar renovaciones de tecnología inteligente que te ayudan a ahorrar energía en tu hogar. Visita FPL.com/Ahorros para recibir ideas del experto en diseño y cliente de FPL, David Bromstad, ¡y para tener la oportunidad de ganar!

Para aprender cómo ahorrar con estilo, visita la exhibición de FPL en el Miami Home Design & Remodeling Show, del 4 al 8 de septiembre en el Centro de Convenciones de Miami Beach.



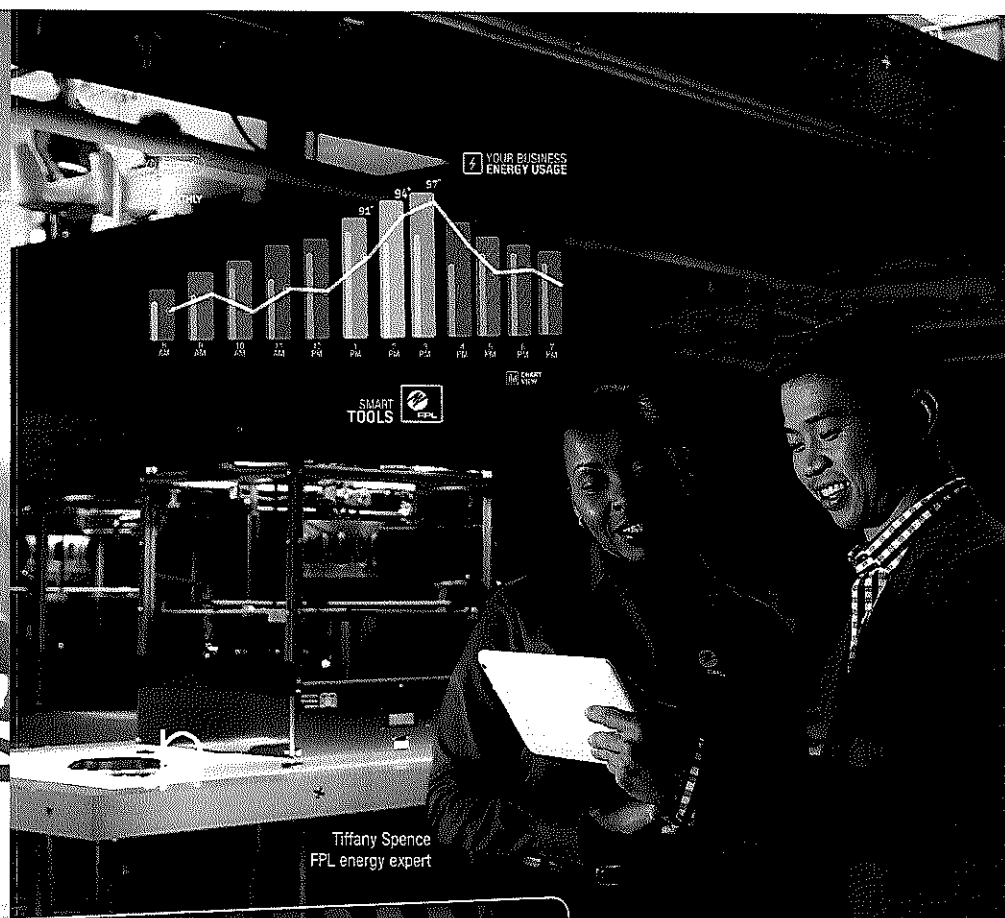
GAMBIANDO LA CORRIENTE. FPL



Smart tools can help you save energy and money.

Find smart new ways to manage your energy use with FPL's Online Business Energy Dashboard, and with a free Business Energy Evaluation, you can learn new ways to save. Schedule yours today at FPL.com/EasyToSave.

Juan Lopez
FPL energy expert



Tiffany Spence
FPL energy expert

Smart technology can help you make smart decisions.

Manage your energy use with FPL's Online Business Energy Dashboard, and schedule your free Business Energy Evaluation to help you save money for your business at FPL.com/EasyToSave.

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Kyle Martin
FPL energy expert

**Smart technology can
help you connect with
energy savings.**

Save energy and money with FPL's smart
tools. Learn how at FPL.com/EasyToSave.


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Just click
to start your
energy savings.

With over 12,700 Business Energy Evaluations performed in 2014, we've helped businesses across Florida save on their energy usage. Learn how at FPL.com/EasyToSave.



Tiffany Spence
FPL energy expert

SMART HOME :30 TV

Technology is making the things around us smarter than ever before.

It's making our day-to-day easier.

And now, what powers those things is smart, too.

With the smart technology behind FPL's online energy dashboard...

... you can keep track of your energy use.

And when you take the free Online Home Energy Survey, you'll learn which appliances use the most energy, and find smart, new ways to save up to \$250 a year.

Visit FPL.com/EasyToSave and learn how to make your bill even lower.

SMART HOME :15 TV

Smart technology is everywhere...

...And now, what powers that technology is smart, too.

With FPL's smart tools, like the Online Home Energy Survey, you can discover new ways to save up to two hundred and fifty dollars a year!

Visit FPL.com/EasyToSave today!

SMART FAMILY :30 TV

Smart technology can help you make the most of family time.

It can bring you together in bold new ways.

And help create unforgettable moments.

And now, the energy that powers smart technology is smart, too.

With FPL's online energy dashboard, you can view your energy use over time...

...and check how changes in temperature affect your bill.

And with the free Online Home Energy Survey, you'll find new ways to save up to \$250 a year.

Visit FPL.com/EasyToSave and start today!

SMART FAMILY :15 TV

Smart technology is all around us.

And now, the energy that powers smart technology is smart, too.

With FPL's smart tools you can check how changes in temperature affect your bill and discover new ways to save up to \$250 a year.

Visit FPL.com/EasyToSave today!

SMART APARTMENT :15 TV

When the energy in your home is as smart as the things it powers...

... it's easy to save money on your energy bill.

With smart tools like FPL's free Online Home Energy Survey, you can discover new ways to save up to two hundred and fifty dollars a year.

Visit FPL.com/EasyToSave today!

SWEEPSTAKES :15

It's easy to turn any home into a smart home with style and still save energy and money—
And now it's your chance to win a Smart Home Energy Makeover...

... when you take FPL's Online Home Energy Survey.

Find your smart savings at FPL.com/EasyToSave.

SMART HOME :30 TV

La tecnología hace que las cosas sean más inteligentes que nunca.

Haciendo nuestro día a día más fácil.

Y ahora, lo que le da energía a todas esas cosas también es inteligente.

Con la tecnología inteligente detrás de tu panel online de energía de FPL...

...puedes ver cuánta energía usas.

Y al tomar el Estudio Online Residencial, podrás ver cuáles son las cosas que usan más energía y descubrir nuevas formas de ahorrar.

¡Empieza hoy!

SMART HOME :15 TV/ RADIO

Hoy día, la tecnología hace que las cosas sean más inteligentes.

Y ahora, con la tecnología inteligente detrás del Estudio Online Residencial de FPL...

...descubre como ahorrar hasta \$250 dólares al año.

¡Visita FPL.com diagonal Ahorros!

SMART FAMILY :30 TV / RADIO

La tecnología inteligente te ayuda a disfrutar más tu tiempo en familia.

Te puede acercar de nuevas maneras.

Y ayudarte a crear recuerdos inolvidables.

Y ahora, lo que le da energía a todas esas cosas inteligentes también es inteligente.

Con el panel online de energía de FPL puedes ver tu uso de energía...

...y entender como los cambios de temperatura afectan tu cuenta.

Y con el Estudio Online Residencial, descubrirás nuevas formas de ahorrar.

¡Empieza hoy!

SMART FAMILY :15 TV

La tecnología inteligente está en todas partes.

Y ahora, también está en las herramientas inteligentes de FPL...

...que te muestran como los cambios de temperatura afectan tu cuenta y te enseñan nuevas formas de ahorrar.

¡Empieza hoy!

SMART APARTMENT :15

Cuando la energía en tu casa es tan inteligente como las cosas a las que le da energía...

...es fácil ahorrar.

Descubre como con las herramientas inteligentes de FPL, como el Estudio Online Residencial.

¡Visita FPL.com diagonal Ahorros!

Smart Thermostat

Energy Savings Tip:

Smart thermostats can save you almost 8% on your cooling energy use each year.

Smart Feature:

They can sense when you're home and adjust automatically to make you comfortable. And when you're not there, they automatically shut off, helping you save energy and money.

Smart Light Bulbs

Energy Savings Tip:

New LED smart bulbs can use as much as 80% less lighting energy, depending on the type of bulb being replaced.

Smart Feature:

They can even change colors with your music, so you can create the perfect mood in your home.

Smart Fridge

Energy Savings Tip:

An Energy Star® refrigerator can save about 9-10% on energy costs per year compared to less efficient models.

Smart Feature:

New smart refrigerators can connect with your smart phone and even show you from an internal camera whether you're low on milk.

Smart Washer and Dryer

Washer

Energy Savings Tip:

An Energy Star® clothes washer uses approximately 25% less energy and 40% less water than regular washers.

Smart Feature:

Uses cold water and enhanced washing motions to penetrate deep into fabrics, giving you cold water savings with warm water performance.

Dryer

Energy Savings Tip:

An Energy Star® clothes dryer can use as much as 30% less energy to dry clothes.

SMART BUSINESS :30

Smart technology is helping businesses bring new ideas to life, for less.

It's changing the way we connect with customers.

It's helping us develop simple solutions to complex problems.

And now, what powers that technology is smart, too.

With FPL's new Online Business Energy Dashboard...

... you can see your energy use by the hour, to help you make smart decisions for your business.

And with a free Business Energy Evaluation ...

... you can learn how to save on energy.

Go online and schedule yours today!

SWEEPSTAKES :15

It's easy to turn any home into a smart home with style and still save energy and money—
And now it's your chance to win a Smart Home Energy Makeover...
... when you take FPL's Online Home Energy Survey.
Find your smart savings at FPL.com/EasyToSave.

SMART THERMOSTAT :15

DESIGN DAVID: A feature wall will give a splash of color to any room—

TECH DAVID: —but it's what's ON the wall that gives you the most bang for your buck.

TECH DAVID: New smart thermostats can sense when you're home. They adjust automatically to make you comfortable, and help you save energy when you're away.

DESIGN DAVID: And they sure look great doing it!

SMART FAN :15

DESIGN DAVID: A sleek ceiling fan is an easy way to add sophistication to any room—

TECH DAVID: —and keep you cooler with just a touch. Not only are they more energy-efficient than ever, but now you can control them with your mobile device – to turn them on or off anytime, anywhere!

DESIGN DAVID: Now that's cool.

TECH DAVID: (Faux shivering) Ice cold.

SMART BULBS :15

DESIGN DAVID: Lighting makes a big difference in how your home feels—

TECH DAVID: —and in how much energy you use. LEDs are joining the ranks of smart devices.

DESIGN DAVID: They can even change colors with your music, to create the perfect mood for your home.

TECH DAVID: This guy's full of bright ideas.

SMART OUTLETS :15

DESIGN DAVID: A sleek sound system is a great way to listen to your tunes...

TECH DAVID: — And with smart outlets, you can set your stereo to turn off whenever you're ready to turn in.

TECH DAVID: These devices connect your electronics and appliances to your Wi-Fi network, so you can turn them on or off - from anywhere, or set them on a schedule.

DESIGN DAVID: Form and function, together at last.

TECH DAVID: Now that's music to my ears.

MOVIE NIGHT TV :30

It's amazing what you can do with a click these days...

Just "click" to make any night family movie night.

Just "click" to order your favorite dinner.

And now, just "click" to save up to \$250 a year on your energy bill.

With FPL's Online Home Energy Survey...it's now easier to fast forward to personalized savings.

Go to FPL.com/EasyToSave to take the survey and make your bill even lower.

MOVIE NIGHT TV :15

With just a click, it's easy to turn any night into family movie night.

And now, just "click" to save up to \$250 a year on your energy bill.

Go to FPL.com/EasyToSave and just "click" to make your bill even lower.

HOUSE TO HOME :30

It's amazing what you can do with a click these days.

"Just click" for the perfect color at the perfect price.

"Just click" for bright ideas on a budget.

And now, "just click" to get personalized savings on your energy bill.

With FPL's Online Home Energy Survey it's now easier to find the perfect way to save up to \$250 a year.

Go to FPL.com/EasyToSave to take the survey and make your bill even lower.

HOUSE TO HOME :15

With just a click, it's easy to make your new house feel like home.

And now, "just click" to get personalized savings on your energy bill...

...with FPL's Online Home Energy Survey.

Go to FPL.com/EasyToSave to make your bill even lower.

GOOD INVESTMENTS :30

It's amazing what you can do with a click these days.

Just "click" to check on your nest egg and see your progress.

Just "click" to get personalized advice and grow your savings.

And now, just "click" to take control of your energy use and save money all year long.

With FPL's Online Home Energy Survey, it's now easier to get customized recommendations to help you save up to \$250 a year!

Go to FPL.com/EasyToSave to take the survey and make your bill even lower.

GOOD INVESTMENTS :15

These days, saving on your next get-away is just a click away.

And now, "just click" to see what kind of results you can get with FPL's Online Home Energy Survey.

Go to FPL.com/EasyToSave to make your bill even lower.

MOVIE NIGHT TV :30 – SPANISH

Es increíble lo que puedes hacer con un “clic” hoy en día.

Con un “clic” puedes encontrar la película perfecta para tu familia.

Con un “clic” puedes ordenar tu cena favorita.

Y ahora haz “clic” para ahorrar hasta doscientos cincuenta dólares al año en tu cuenta de energía.

Con el Estudio Online Residencial de FPL es más fácil recibir ahorros personalizados.

Visita FPL.com/Ahorros para completar el estudio y haz que tu cuenta sea aún más baja.

MOVIE NIGHT TV :15 – SPANISH

Es increíble lo que puedes hacer con un “clic”.

Con un “clic” puedes encontrar la película perfecta.

Y ahora haz clic para encontrar ahorros con el Estudio Online Residencial de FPL.

Visita FPL.com/Ahorros, ¡hoy mismo!

HOUSE TO HOME TV :30 – SPANISH

Es increíble lo que puedes hacer con un “clic” hoy en día.

Con un “clic” puedes seleccionar el color perfecto...al precio correcto.

Con un “clic” puedes hacer tus ideas una realidad...dentro de tu presupuesto.

Y ahora haz “clic” para ahorrar en tu cuenta de energía.

Con el Estudio Online Residencial de FPL...es más fácil ahorrar hasta doscientos cincuenta dólares al año.

Visita FPL.com/Ahorros para completar el estudio y haz que tu cuenta sea aún más baja.

HOUSE TO HOME TV :15 – SPANISH

Con un “clic” puedes seleccionar el color perfecto...al precio correcto.

Y ahora haz “clic” para encontrar ahorros con el Estudio Online Residencial de FPL.

Visita FPL.com/Ahorros, ¡hoy mismo!

BEE OFFICE PBS :30

It's amazing what you can do for your business with a click these days...

Just "click" to save on office furniture.

Just "click" to save on supplies.

And now, just "click" to learn how to save on energy when you schedule an FPL Business Energy Evaluation.

Together, we can find new ways to save all year long.

Go to FPL.com/EasyToSave and just "click" to schedule your evaluation today.

SPONSORSHIP TAGS :05

- For smart tips to beat the heat and keep your bill low, visit FPL.com/EasyToSave.
- Find smart savings for your energy bill at FPL.com/EasyToSave.
- Save smarter with FPL's Online Home Energy Survey. Visit FPL.com/EasyToSave.

SPONSORSHIP TAGS :10

- Now, the energy that powers your favorite smart gadgets, is smart too. Visit FPL.com/EasyToSave to see how you could save up to \$250 a year on your energy bill.
- Turn any home into a smart home with FPL's Online Home Energy Survey. Visit FPL.com/EasyToSave to learn more!

SMART HOME :30 RADIO

La tecnología hace que las cosas sean más inteligentes que nunca.

Haciendo nuestro día a día más fácil.

Y ahora, lo que le da energía a todas esas cosas también es inteligente.

Con la tecnología inteligente detrás de tu panel online de energía de FPL...

...puedes ver cuánta energía usas.

Y al tomar el Estudio Online Residencial, podrás ver cuáles son las cosas que usan más energía y descubrir nuevas formas de ahorrar.

¡Visita FPL.com diagonal Ahorros!

SMART HOME :15 RADIO

Hoy día, la tecnología hace que las cosas sean más inteligentes.

Y ahora, con la tecnología inteligente detrás del Estudio Online Residencial de FPL...

...descubre como ahorrar hasta \$250 dólares al año.

¡Visita FPL.com diagonal Ahorros!

SMART FAMILY :30 RADIO

La tecnología inteligente te ayuda a disfrutar más tu tiempo en familia.

Te puede acercar de nuevas maneras.

Y ayudarte a crear recuerdos inolvidables.

Y ahora, lo que le da energía a todas esas cosas inteligentes también es inteligente.

Con el panel online de energía de FPL puedes ver tu uso de energía...

...y entender como los cambios de temperatura afectan tu cuenta.

Y con el Estudio Online Residencial, descubrirás nuevas formas de ahorrar hasta \$250 al año.

: ¡Visita FPL.com diagonal Ahorros!

SMART FAMILY : 15 RADIO

La tecnología inteligente está en todas partes.

Y ahora, con las herramientas inteligentes de FPL, como el Estudio Online Residencial, veras cómo los cambios de temperatura afectan tu cuenta y como puedes ahorrar.

¡Visita FPL.com diagonal Ahorros!

SMART HOME :30 RADIO

Technology is making the things around us smarter than ever before.

It's making our day-to-day easier.

And now, what powers those things is smart, too.

With the smart technology behind FPL's online energy dashboard...

... you can keep track of your energy use.

And when you take the free Online Home Energy Survey, you'll learn which appliances use the most energy, and find smart, new ways to save up to \$250 a year.

Visit FPL.com/EasyToSave and learn how to make your bill even lower.

SMART HOME :15 RADIO

Technology is making things smarter than ever before...

...And now, with FPL's free Online Home Energy Survey

... what powers that technology is smart, too.

Visit FPL.com/EasyToSave to take the survey and find smart ways to save up to \$250 a year.

SMART FAMILY :30 RADIO

Smart technology can help you make the most of family time.

It can bring you together in bold new ways.

And help create unforgettable moments.

And now, the energy that powers smart technology is smart, too.

With FPL's online energy dashboard, you can view your energy use over time...

...and check how changes in temperature affect your bill.

And with the free Online Home Energy Survey, you'll find new ways to save up to \$250 a year.

Visit FPL.com/EasyToSave and start today!

SMART APARTMENT :15 RADIO

When the energy in your home is as smart as the things it powers...

... it's easy to save money on your energy bill.

With smart tools like FPL's free Online Home Energy Survey, you can discover new ways to save up to two hundred and fifty dollars a year.

Visit FPL.com/EasyToSave today!

Radio Scripts

MOVIE NIGHT RADIO :30

It's amazing what you can do online with a click these days.

With just a click ... you can watch a movie.

With just a click ...you can order dinner.

And now, just click to save up to two hundred and fifty dollars a year on your energy bill. With FPL's Online Home Energy Survey, it's now easier to fast forward to personalized savings.

Go to FPL dot com slash easy to save and just click...to change the current way you use energy and make your bill even lower.

HOUSE TO HOME RADIO :30

It's amazing what you can do online with a click these days...

With just a "click" you can turn your new house into a cozy home.

With just a "click" you can bring in bright ideas that light up any room.

And now, you can just "click" to see how you can save up to two hundred and fifty dollars a year on your energy bill.

With FPL's Online Home Energy Survey it's now easier to find the perfect way to save that's personalized to your home.

Go to FPL dot com slash easy to save and just click to change the current way you use energy and make your bill even lower.

CROSS-CAMPAIGN :15

It's amazing what you can do online with a click these days—from ordering dinner to downloading movies, and even saving money on your energy bill. Go to FPL dot com slash easy to save and just click to take the Online Home Energy Survey and make your bill even lower.

TOTAL TRAFFIC Radio

- This traffic report is brought to you by FPL.
- Brought to you by FPL.

Web: hoisee

Just click to
save up to

\$500

SCHEDULE
AN INSTALLATION



CHANGING THE CURRENT

Just click to
save up to **\$250**

GET STARTED

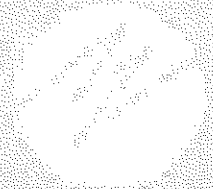


CHANGING YOUR SURRENDER FPL

Haz clic para
ahorrar hasta

\$250

COMIENZA AHORA



CANBIANDO LA CORRIENTE. FPA

Florida Power & Light Company
Docket No. 160002-EG
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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 5
PARTY: FLORIDA POWER & LIGHT COMPANY –
DIRECT*Notice of Adoption of Terry J. Keith’s testimony and
exhibits by Renae B. Deaton, filed on October 3, 2016,
(FPSC DN #07927-16).
DESCRIPTION: Renae B. Deaton AS-2

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION
PROPOSED COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Total Costs
1. Projected Costs (Schedule C-2, pg 1, line 19)	144,733,515
2. True-up Over/(Under) Recoveries (Schedule C-3, pg 10, line 11)	18,213,554
3. Subtotal (line (1) minus (line 2))	126,519,960
4. Less Load Management Incentives Not Subject To Revenue Taxes ^(a)	80,348,040
5. Project Costs Subject To Revenue Taxes (line 3 minus line 4)	46,171,920
6. Revenue Tax Multiplier	1.00072
7. Subtotal (line 5 * line 6)	46,205,164
8. Total Recoverable Costs (line 7+ line 4)	126,553,204
9. Total Cost	126,553,204
10. Energy Related Costs	36,966,189
11. Demand-Related Costs (total)	89,587,014
12. Demand costs allocated on 12 CP	67,190,262
13. Demand Costs allocated 25%	22,396,753

^(a) (Schedule C-2, pg 2, Rebates Column, Program Nos. 6,11,12,13)

Costs are split in proportion to the current period split of demand-related (70.79%) and energy-related (29.21%) costs. The allocation of ECCR costs between demand and energy is shown on schedule C-2, Page 1, and is consistent with the methodology set forth in Order No. PSC-93-1845-FOF-EG.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
 ENERGY CONSERVATION COST RECOVERY
 CALCULATION OF ENERGY DEMAND ALLOCATION % BY RATE CLASS
 PROPOSED COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
RATE CLASS	AVG 12CP Load Factor at Meter (%) ^(a)	Projected Sales at Meter (kwh) ^(b)	Projected AVG 12CP at Meter (kW) ^(c)	Demand Loss Expansion Factor ^(d)	Energy Loss Expansion Factor ^(e)	Projected Sales at Generation (kwh) ^(f)	Projected AVG 12CP at Generation (kW) ^(g)	Percentage of Sales at Generation (%) ^(h)	Percentage of Demand at Generation (%) ⁽ⁱ⁾
RS1/RTR1	59.146%	57,063,506,058	11,013,646	1.06430156	1.04862829	59,838,406,779	11,721,841	53.21566%	58.92337%
GS1/GST1	65.027%	5,971,311,587	1,048,260	1.06430156	1.04862829	6,261,686,259	1,115,665	5.56866%	5.60823%
GSD1/GSDT1/HLFT1	72.765%	25,836,330,536	4,053,251	1.06421646	1.04856471	27,091,064,436	4,313,536	24.09270%	21.68329%
OS2	92.223%	10,793,313	1,336	1.05687787	1.02669200	11,081,408	1,412	0.00985%	0.00710%
GSLD1/GSLDT1/CS1/CST1/HLFT2	73.257%	10,511,832,443	1,638,034	1.06313919	1.04778551	11,014,145,717	1,741,458	9.79513%	8.75396%
GSLD2/GSLDT2/CS2/CST2/HLFT3	87.653%	2,516,449,511	327,730	1.05469612	1.04113164	2,619,955,206	345,656	2.32999%	1.73754%
GSLD3/GSLDT3/CS3/CST3	86.088%	172,996,790	22,940	1.02180107	1.01700518	175,938,632	23,440	0.15647%	0.11783%
SST1T	107.395%	89,667,754	9,531	1.02180107	1.01700518	91,192,570	9,739	0.08110%	0.04895%
SST1D1/SST1D2/SST1D3	78.275%	11,856,926	1,729	1.03476555	1.02669200	12,173,411	1,789	0.01083%	0.00899%
CILC D/CILC G	87.305%	2,789,895,442	364,790	1.05313565	1.04053446	2,902,982,347	384,173	2.58169%	1.93116%
CILC T	91.242%	1,508,389,554	188,718	1.02180107	1.01700518	1,534,039,990	192,832	1.36426%	0.96933%
MET	71.670%	91,208,296	14,528	1.03476555	1.02669200	93,642,828	15,033	0.08328%	0.07557%
OL1/SL1/SL1M/PL1	586.798%	658,751,104	12,815	1.06430156	1.04862829	690,785,044	13,639	0.61433%	0.06856%
SL2/SL2M/GSCU1	95.157%	103,004,444	12,357	1.06430156	1.04862829	108,013,374	13,152	0.09606%	0.06611%
Total		107,335,993,758	18,709,665			112,445,108,001	19,893,365	100.00000%	100.00000%

^(a) AVG 12 CP load factor based on 2012-2014 load research data and 2017 projection.

^(b) Projected kwh sales for the period January 2017 through December 2017

^(c) Calculated: Col (3)/(8760 hours * Col (2)) , 8760 hours = annual hours

^(d) Based on projected 2017 demand losses.

^(e) Based on projected 2017 energy losses.

^(f) Col (3) * Col (6)

^(g) Col (4) * Col (5)

^(h) Col (7) / total for Col (7)

⁽ⁱ⁾ Col (8) / total for Col (8)

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CALCULATION OF ENERGY CONSERVATION FACTORS
PROPOSED COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RATE CLASS	Percentage of Sales at Generation (%) ^(a)	Percentage of Demand at Generation (%) ^(b)	Demand Allocation 12CP (\$) ^(c)	Demand Allocation 25% ^(d)	Energy Allocation (\$) ^(e)	Total Recoverable Costs (\$)	Projected Sales at Meter (kwh) ^(f)	Billing KW Load Factor (%) ^(g)	Projected Billed KW at Meter (kw) ^(h)	Conservation Recovery Factor (\$/kw) ⁽ⁱ⁾	Conservation Recovery Factor (\$/kwh) ^(j)	RDC (\$/KW) ^(k)	SDD (\$/KW) ^(l)
RS1/RTR1	53.21566%	58.92337%	\$39,590,766	\$11,918,580	\$19,671,802	\$71,181,147	57,063,506,058	-	-	-	0.00125	-	-
GS1/GST1	5.56866%	5.60823%	\$3,768,181	\$1,247,199	\$2,058,522	\$7,073,902	5,971,311,587	-	-	-	0.00118	-	-
GSD1/GSDT1/HLFT1	24.09270%	21.68329%	\$14,569,061	\$5,395,983	\$8,906,154	\$28,871,197	25,836,330,536	50.15375%	70,567,469	0.41	-	-	-
OS2	0.00985%	0.00710%	\$4,769	\$2,207	\$3,643	\$10,619	10,793,313	-	-	-	0.00098	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	9.79513%	8.75396%	\$5,881,812	\$2,193,791	\$3,620,887	\$11,696,490	10,511,832,443	56.71170%	25,391,181	0.46	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	2.32999%	1.73754%	\$1,167,459	\$521,841	\$861,307	\$2,550,607	2,516,449,511	65.79207%	5,239,524	0.49	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.15647%	0.11783%	\$79,169	\$35,043	\$57,840	\$172,052	172,996,790	68.69783%	344,963	0.50	-	-	-
SST1T	0.08110%	0.04895%	\$32,893	\$18,164	\$29,979	\$81,036	89,667,754	11.31969%	1,085,123	-	-	\$0.05	\$0.03
SST1D1/SST1D2/SST1D3	0.01083%	0.00899%	\$6,043	\$2,425	\$4,002	\$12,469	11,856,926	29.68376%	54,718	-	-	\$0.05	\$0.03
CILC D/CILC G	2.58169%	1.93116%	\$1,297,554	\$578,214	\$954,352	\$2,830,120	2,789,895,442	74.14313%	5,154,590	0.55	-	-	-
CILC T	1.36426%	0.96933%	\$651,295	\$305,549	\$504,314	\$1,461,158	1,508,389,554	76.33683%	2,706,802	0.54	-	-	-
MET	0.08328%	0.07557%	\$50,775	\$18,652	\$30,785	\$100,211	91,208,296	64.64301%	193,281	0.52	-	-	-
OL1/SL1/SL1M/PL1	0.61433%	0.06856%	\$46,066	\$137,590	\$227,095	\$410,751	658,751,104	-	-	-	0.00062	-	-
SL2/SL2M/GSCU1	0.09606%	0.06611%	\$44,420	\$21,514	\$35,509	\$101,443	103,004,444	-	-	-	0.00098	-	-
Total			\$67,190,262	\$22,396,753	\$36,966,189	\$126,553,204	107,335,993,758		110,737,651				

^(a) Obtained from Schedule C-1, page 2, Col (9)

^(b) Obtained from Schedule C-1, page 2, Col (10)

^(c) Total from C-1, page 1, line 12 X Col (3)

^(d) Total from C-1, page 1, line 13 X Col (2)

^(e) Total from C-1, page 1, line 10 X Col (2)

^(f) Projected kwh sales for the period January 2017 through December 2017, From C-1 Page 2, Total of Column 3

^(g) Based on 2012-2014 load research data and 2017 projections

^(h) Col (8) / (Col(9)*730)

⁽ⁱ⁾ Col (7) / Col (10)

^(j) Col (7) / Col (8)

^(k) (C-1 pg 3, total col 7)/(C-1, pg 2, total col 8)(.10) (C-1, pg 2, col 6) / 12

^(l) (C-1 pg 3, total col 7/C-1, pg 2, total col 8/(21 onpk days) (C-1, pg 2, col 6)/ 12

Note: There are currently no customers taking service on Schedules ISST1(D) and ISST1(T). Should any customer begin taking service on these schedules during the period, they will be billed using the applicable SST1 factor.

Note: Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Total
C. INTEREST PROVISION													
1. Beginning True-up Amount (Line B9 + B9a)	(\$6,118,484)	(\$980,761)	\$1,604,859	\$3,526,055	\$6,252,121	\$8,451,720	\$9,635,645	\$10,543,147	\$12,230,749	\$13,204,085	\$16,126,521	\$18,293,637	N/A
2. Ending True-up Amount Before Interest (Line B7+B9+B9a+B10)	(\$979,578)	\$1,604,752	\$3,525,136	\$6,250,532	\$8,449,576	\$9,632,858	\$10,539,952	\$12,227,143	\$13,200,058	\$16,121,878	\$18,288,188	\$18,207,774	N/A
3. Total of Beginning & Ending True-up (Line C1+C2)	(\$7,098,062)	\$623,991	\$5,129,994	\$9,776,587	\$14,701,697	\$18,084,578	\$20,175,597	\$22,770,290	\$25,430,807	\$29,325,962	\$34,414,709	\$36,501,412	N/A
4. Average True-up Amount (50% of Line C3)	(\$3,549,031)	\$311,996	\$2,564,997	\$4,888,294	\$7,350,848	\$9,042,289	\$10,087,799	\$11,385,145	\$12,715,403	\$14,662,981	\$17,207,355	\$18,250,706	N/A
5. Interest Rate - First Day of Reporting Business Month	0.40000%	0.40000%	0.42000%	0.44000%	0.34000%	0.36000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
6. Interest Rate - First day of Subsequent Business Month	0.40000%	0.42000%	0.44000%	0.34000%	0.36000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
7. Total (Line C5 + C6)	0.80000%	0.82000%	0.86000%	0.78000%	0.70000%	0.74000%	0.76000%	0.76000%	0.76000%	0.76000%	0.76000%	0.76000%	N/A
8. Average Interest Rate (50% of Line C7)	0.40000%	0.41000%	0.43000%	0.39000%	0.35000%	0.37000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
9. Monthly Average Interest Rate (Line C8 / 12)	0.03333%	0.03417%	0.03583%	0.03250%	0.02917%	0.03083%	0.03167%	0.03167%	0.03167%	0.03167%	0.03167%	0.03167%	N/A
10. Interest Provision for the Month (Line C4 x C9)	(\$1,183)	\$107	\$919	\$1,589	\$2,144	\$2,788	\$3,195	\$3,606	\$4,027	\$4,644	\$5,450	\$5,780	\$33,064

FLORIDA POWER & LIGHT COMPANY
 ENERGY CONSERVATION COST RECOVERY
 CALCULATION OF ENERGY CONSERVATION COST RECOVERY (ECCR) REVENUES

SCHEDULE: C-4

ESTIMATED FOR THE PERIOD OF: JANUARY 2016 THROUGH DECEMBER 2016

MONTH	Jurisdictional kWh Sales	Clause Revenues Net of Revenue Tax (a)
January Actual	8,477,060,498	\$14,727,751
February Actual	7,108,751,712	\$12,986,447
March Actual	7,791,736,459	\$13,698,928
April Actual	8,414,360,754	\$14,699,130
May Actual	8,721,865,851	\$15,347,672
June Actual	10,084,259,719	\$17,323,095
July Estimated	10,360,306,400	\$18,117,482
August Estimated	10,493,894,259	\$18,351,093
September Estimated	10,260,705,262	\$17,943,306
October Estimated	9,462,770,364	\$16,547,925
November Estimated	8,246,522,500	\$14,421,024
December Estimated	8,151,744,737	\$14,255,282
Total	<u>107,573,978,515</u>	<u>\$188,419,135</u>

(a) Revenue Tax for the period is .072% Regulatory Assessment Fee.

Florida Power & Light Company
Docket No. 160002-EG
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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 6
PARTY: FLORIDA POWER & LIGHT
COMPANY – DIRECT*Notice of Adoption of
Terry J. Keith’s testimony and exhibits by

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

PROGRAM TITLE	Method of Classification		Monthly Data												Twelve Month Amount
	Energy	Demand	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	
1. Residential Home Energy Survey	\$12,534,355		\$718,388	\$426,432	\$510,040	\$479,434	\$1,625,558	\$1,634,817	\$1,553,112	\$1,632,938	\$1,595,510	\$1,597,856	\$389,726	\$370,546	\$12,534,355
2. Residential Ceiling Insulation	\$979,448		\$74,243	\$53,831	\$57,657	\$51,566	\$69,306	\$90,222	\$81,279	\$107,805	\$137,694	\$81,264	\$67,000	\$107,580	\$979,448
3. Residential Air Conditioning	\$5,736,790		\$411,559	\$274,799	\$482,797	\$430,205	\$571,095	\$549,213	\$663,568	\$583,042	\$573,901	\$497,038	\$374,138	\$325,435	\$5,736,790
4. Residential New Construction (BuildSmart®)	\$567,124		\$41,554	\$48,674	\$51,993	\$34,708	\$56,096	\$42,781	\$44,227	\$53,341	\$47,908	\$49,284	\$49,208	\$47,350	\$567,124
5. Residential Low-Income	\$722,742		\$32,193	\$54,039	\$130,551	\$50,525	\$57,907	\$58,210	\$85,431	\$70,056	\$56,984	\$54,560	\$28,329	\$43,956	\$722,742
6. Residential Load Management ("On Call")		\$51,846,678	\$3,457,201	\$3,445,723	\$3,370,666	\$4,683,630	\$5,057,392	\$5,017,768	\$4,912,612	\$4,927,020	\$4,942,422	\$4,951,022	\$3,534,004	\$3,547,219	\$51,846,678
7. Business Energy Evaluation	\$8,998,102		\$585,253	\$458,555	\$526,329	\$471,859	\$992,279	\$1,069,309	\$970,144	\$971,249	\$989,287	\$1,026,909	\$495,031	\$441,897	\$8,998,102
8. Business Lighting	\$469,410		\$51,926	\$49,146	\$34,902	\$18,666	\$33,062	\$27,005	\$46,496	\$42,773	\$35,167	\$16,097	\$58,792	\$55,380	\$469,410
9. Business Heating, Ventilating & A/C	\$6,396,568		\$242,039	\$949,057	\$487,465	\$316,489	\$888,464	\$788,939	\$372,101	\$389,108	\$207,182	\$142,043	\$297,971	\$1,315,712	\$6,396,568
10. Business Custom Incentive	\$319,950		\$5,917	\$5,419	\$6,595	\$18,313	\$12,822	\$7,858	\$15,979	\$17,719	\$13,245	\$134,275	\$46,378	\$35,430	\$319,950
11. Business On Call		\$4,250,740	\$48,608	\$46,136	\$72,956	\$583,831	\$594,169	\$593,118	\$593,498	\$586,410	\$585,200	\$441,846	\$53,848	\$51,120	\$4,250,740
12. Commercial/Industrial Load Control		\$26,418,564	\$1,865,703	\$2,131,950	\$2,170,347	\$1,838,939	\$1,847,557	\$3,115,245	\$1,840,150	\$2,213,943	\$1,836,548	\$1,800,193	\$2,194,983	\$3,563,006	\$26,418,564
13. Commercial/Industrial Demand Reduction		\$13,648,474	\$926,598	\$888,890	\$950,393	\$1,094,949	\$1,181,841	\$1,226,931	\$1,286,394	\$1,307,171	\$1,317,783	\$1,251,864	\$1,149,166	\$1,066,493	\$13,648,474
14. Cogeneration & Small Power Production	\$368,217		\$30,213	\$25,999	\$33,658	\$27,275	\$33,849	\$31,658	\$29,467	\$33,849	\$29,467	\$31,658	\$31,658	\$29,467	\$368,217
15. Conservation Research & Development	\$270,908		\$35,501	\$35,234	\$57,411	\$35,314	\$3,193	\$24,746	\$2,915	\$21,270	\$17,377	\$3,054	\$17,516	\$17,377	\$270,908
16. Common Expenses	\$2,595,625	\$6,289,942	\$697,702	\$683,181	\$915,530	\$664,710	\$748,958	\$749,319	\$699,279	\$745,613	\$729,100	\$786,627	\$769,560	\$695,987	\$8,885,567
17. Business Photovoltaic for Schools Pilot ⁽¹⁾	\$2,216,568		\$191,297	\$190,100	\$188,903	\$187,706	\$186,509	\$185,312	\$184,115	\$182,918	\$181,721	\$180,525	\$179,328	\$178,131	\$2,216,568
18. Solar Pilot Projects Common Expenses ⁽¹⁾	\$103,310		\$29,794	\$29,566	\$29,338	\$14,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$103,310
19. Recoverable Conservation Expenses	\$42,279,116	\$102,454,398	\$9,445,688	\$9,796,729	\$10,077,532	\$11,002,732	\$13,960,057	\$15,212,452	\$13,380,769	\$13,886,225	\$13,296,494	\$13,046,115	\$9,736,635	\$11,892,086	\$144,733,515

Note: Totals may not add due to rounding.

(1) Solar programs ended in December 2015. Recovery of Depreciation and Return.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Total for Period
1. Residential Home Energy Survey	\$139,857	\$3,577,374		\$1,377,227	\$6,940,500		\$104,462	\$394,935	\$12,534,355
2. Residential Ceiling Insulation		\$173,541		\$17,387		\$774,000		\$14,520	\$979,448
3. Residential Air Conditioning		\$835,757		\$143,885		\$4,575,000	\$58,170	\$123,978	\$5,736,790
4. Residential New Construction (BuildSmart®)	\$64,352	\$353,296		\$80,834		\$16,976		\$51,666	\$567,124
5. Residential Low-Income	\$33,062	\$203,692	\$2,094	\$25,000		\$440,000		\$18,893	\$722,742
6. Residential Load Management ("On Call")	\$9,287,206	\$2,229,440	(\$2,522,531)	\$5,020,096		\$37,262,940	\$40,375	\$529,151	\$51,846,678
7. Business Energy Evaluation	\$13,270	\$4,823,607	\$31,416	\$814,038	\$2,877,956		\$36,261	\$401,554	\$8,998,102
8. Business Lighting		\$155,127		\$49,223		\$254,646		\$10,414	\$469,410
9. Business Heating, Ventilating & A/C		\$468,733		\$151,766		\$5,684,022	\$8,036	\$84,010	\$6,396,568
10. Business Custom Incentive		\$67,056				\$245,964		\$6,930	\$319,950
11. Business On Call	\$468,262	\$58,258	(\$146,000)	\$171,548		\$3,666,866	\$378	\$31,428	\$4,250,740
12. Commercial/Industrial Load Control		\$196,500	\$4,781	\$28,786		\$26,140,357	\$155	\$47,986	\$26,418,564
13. Commercial/Industrial Demand Reduction		\$250,490	\$7,157	\$41,902		\$13,277,878	\$155	\$70,891	\$13,648,474
14. Cogeneration & Small Power Production		\$566,811		\$3,588				(\$202,181)	\$368,217
15. Conservation Research & Development		\$35,908		\$235,000					\$270,908
16. Common Expenses	\$916,969	\$6,188,486	\$51	\$793,263			\$20,473	\$966,325	\$8,885,567
17. Business Photovoltaic for Schools Pilot ⁽¹⁾	\$2,216,568								\$2,216,568
18. Solar Pilot Projects Common Expenses ⁽¹⁾	\$103,310								\$103,310
19. Recoverable Conservation Expenses	\$13,242,858	\$20,184,075	(\$2,623,031)	\$8,953,542	\$9,818,456	\$92,338,649	\$268,465	\$2,550,501	\$144,733,515

Note: Totals may not add due to rounding.

(1) Solar programs ended in December 2015. Recovery of Depreciation and Return.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
1. Residential Home Energy Survey														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,804,999	\$1,804,999
2. Depreciation Base		\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$2,330,411	
3. Depreciation Expense ^(a)		\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$23,799	\$120,124
4. Cumulative Investment (Line 2)	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$2,330,411	
5. Less: Accumulated Depreciation	\$337,139	\$345,896	\$354,653	\$363,410	\$372,167	\$380,923	\$389,680	\$398,437	\$407,194	\$415,951	\$424,708	\$433,465	\$457,263	
6. Net Investment (Line 4 - 5)	\$188,273	\$179,516	\$170,759	\$162,002	\$153,245	\$144,488	\$135,731	\$126,974	\$118,218	\$109,461	\$100,704	\$91,947	\$1,873,148	
7. Average Net Investment		\$183,894	\$175,137	\$166,380	\$157,624	\$148,867	\$140,110	\$131,353	\$122,596	\$113,839	\$105,082	\$96,325	\$982,547	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$752	\$716	\$680	\$645	\$609	\$573	\$537	\$501	\$466	\$430	\$394	\$4,018	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$1,224	\$1,166	\$1,108	\$1,049	\$991	\$933	\$875	\$816	\$758	\$700	\$641	\$6,542	\$16,804
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$213	\$203	\$193	\$183	\$173	\$163	\$152	\$142	\$132	\$122	\$112	\$1,141	\$2,930
9. Total Return Requirements (Line 8b + 8c)		\$1,438	\$1,369	\$1,301	\$1,232	\$1,164	\$1,096	\$1,027	\$959	\$890	\$822	\$753	\$7,683	\$19,733
10. Total Depreciation & Return (Line 3 + 9)		\$10,195	\$10,126	\$10,058	\$9,989	\$9,921	\$9,852	\$9,784	\$9,715	\$9,647	\$9,579	\$9,510	\$31,481	\$139,857

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
4. Residential New Construction (BuildSmart®)														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$485,001	\$0	\$0	\$0	\$0	\$0	\$485,001
2. Depreciation Base		\$0	\$0	\$0	\$0	\$0	\$0	\$485,001	\$485,001	\$485,001	\$485,001	\$485,001	\$485,001	
3. Depreciation Expense ^(a)		\$0	\$0	\$0	\$0	\$0	\$0	\$4,042	\$8,083	\$8,083	\$8,083	\$8,083	\$8,083	\$44,458
4. Cumulative Investment (Line 2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$485,001	\$485,001	\$485,001	\$485,001	\$485,001	\$485,001	\$485,001
5. Less: Accumulated Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,042	\$12,125	\$20,208	\$28,292	\$36,375	\$44,458	
6. Net Investment (Line 4 - 5)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$480,959	\$472,876	\$464,793	\$456,709	\$448,626	\$440,543	
7. Average Net Investment		\$0	\$0	\$0	\$0	\$0	\$0	\$240,480	\$476,918	\$468,834	\$460,751	\$452,668	\$444,584	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$0	\$0	\$0	\$0	\$0	\$0	\$984	\$1,950	\$1,917	\$1,884	\$1,851	\$1,818	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$0	\$0	\$0	\$0	\$0	\$0	\$1,601	\$3,175	\$3,122	\$3,068	\$3,014	\$2,960	\$16,940
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$0	\$0	\$0	\$0	\$0	\$0	\$279	\$554	\$544	\$535	\$526	\$516	\$2,954
9. Total Return Requirements (Line 8b + 8c)		\$0	\$0	\$0	\$0	\$0	\$0	\$1,880	\$3,729	\$3,666	\$3,603	\$3,539	\$3,476	\$19,894
10. Total Depreciation & Return (Line 3 + 9)		\$0	\$0	\$0	\$0	\$0	\$0	\$5,922	\$11,812	\$11,749	\$11,686	\$11,623	\$11,560	\$64,352

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
5. Residential Low-Income														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$214,999	\$0	\$0	\$0	\$0	\$0	\$0	\$214,999
2. Depreciation Base		\$0	\$0	\$0	\$0	\$0	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999
3. Depreciation Expense ^(a)		\$0	\$0	\$0	\$0	\$0	\$1,792	\$3,583	\$3,583	\$3,583	\$3,583	\$3,315	\$3,287	\$22,726
4. Cumulative Investment (Line 2)	\$0	\$0	\$0	\$0	\$0	\$0	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999	\$214,999
5. Less: Accumulated Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$1,792	\$5,375	\$8,958	\$12,542	\$16,125	\$19,440	\$22,726	
6. Net Investment (Line 4 - 5)	\$0	\$0	\$0	\$0	\$0	\$0	\$213,207	\$209,624	\$206,041	\$202,457	\$198,874	\$195,559	\$192,273	
7. Average Net Investment		\$0	\$0	\$0	\$0	\$0	\$106,604	\$211,416	\$207,832	\$204,249	\$200,666	\$197,217	\$193,916	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$0	\$0	\$0	\$0	\$0	\$436	\$865	\$850	\$835	\$821	\$807	\$793	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$0	\$0	\$0	\$0	\$0	\$710	\$1,408	\$1,384	\$1,360	\$1,336	\$1,313	\$1,291	\$8,801
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$0	\$0	\$0	\$0	\$0	\$124	\$245	\$241	\$237	\$233	\$229	\$225	\$1,535
9. Total Return Requirements (Line 8b + 8c)		\$0	\$0	\$0	\$0	\$0	\$834	\$1,653	\$1,625	\$1,597	\$1,569	\$1,542	\$1,516	\$10,336
10. Total Depreciation & Return (Line 3 + 9)		\$0	\$0	\$0	\$0	\$0	\$2,625	\$5,236	\$5,208	\$5,180	\$5,152	\$4,857	\$4,803	\$33,062

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
Load Management (Program Nos. 6 & 11)														
1. Investment (Net of Retirements)		(\$1,861,648)	\$1,451,690	\$1,511,664	\$1,970,912	\$1,728,829	\$932,233	\$1,052,840	\$963,882	\$870,656	\$838,644	\$453,793	\$555,475	\$10,468,970
2. Depreciation Base		\$30,507,892	\$31,959,582	\$33,471,246	\$35,442,159	\$37,170,988	\$38,103,220	\$39,156,060	\$40,119,942	\$40,990,598	\$41,829,242	\$42,283,035	\$42,838,510	
3. Depreciation Expense ^(a)		\$498,879	\$519,950	\$544,645	\$573,924	\$604,756	\$627,286	\$643,190	\$659,595	\$674,852	\$687,951	\$699,137	\$709,094	\$7,443,259
4. Cumulative Investment (Line 2)	\$32,369,540	\$30,507,892	\$31,959,582	\$33,471,246	\$35,442,159	\$37,170,988	\$38,103,220	\$39,156,060	\$40,119,942	\$40,990,598	\$41,829,242	\$42,283,035	\$42,838,510	
5. Less: Accumulated Depreciation	\$12,311,003	\$9,797,981	\$10,317,930	\$10,789,090	\$11,363,014	\$11,925,271	\$12,552,607	\$13,195,797	\$13,778,889	\$14,405,621	\$15,013,440	\$15,527,012	\$16,205,849	
6. Net Investment (Line 4 - 5)	\$20,058,537	\$20,709,911	\$21,641,651	\$22,682,156	\$24,079,144	\$25,245,716	\$25,550,613	\$25,960,263	\$26,341,054	\$26,584,977	\$26,815,802	\$26,756,023	\$26,632,661	
7. Average Net Investment		\$20,384,224	\$21,175,781	\$22,161,904	\$23,380,650	\$24,662,430	\$25,398,165	\$25,755,438	\$26,150,658	\$26,463,015	\$26,700,390	\$26,785,913	\$26,694,342	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$83,367	\$86,605	\$90,638	\$95,622	\$100,864	\$103,873	\$105,335	\$106,951	\$108,228	\$109,199	\$109,549	\$109,175	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$135,722	\$140,993	\$147,558	\$155,673	\$164,207	\$169,106	\$171,485	\$174,116	\$176,196	\$177,777	\$178,346	\$177,736	\$1,968,916
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$23,664	\$24,583	\$25,728	\$27,143	\$28,631	\$29,485	\$29,899	\$30,358	\$30,721	\$30,996	\$31,096	\$30,989	\$343,293
9. Total Return Requirements (Line 8b + 8c)		\$159,386	\$165,576	\$173,286	\$182,816	\$192,838	\$198,591	\$201,384	\$204,475	\$206,917	\$208,773	\$209,442	\$208,726	\$2,312,209
10. Total Depreciation & Return (Line 3 + 9)		\$658,266	\$685,525	\$717,931	\$756,740	\$797,594	\$825,876	\$844,574	\$864,069	\$881,769	\$896,724	\$908,579	\$917,820	\$9,755,468
Allocation of Depreciation and Return on Investment Between Programs														
<u>Residential On Call Program No. 6 (95.2%)</u>														
Depreciation (Prog #7)		\$474,933	\$494,992	\$518,502	\$546,376	\$575,728	\$597,176	\$612,317	\$627,934	\$642,459	\$654,930	\$665,579	\$675,058	\$7,085,982
Return (Prog #7)		\$151,736	\$157,628	\$164,968	\$174,041	\$183,582	\$189,058	\$191,718	\$194,660	\$196,985	\$198,752	\$199,389	\$198,707	\$2,201,223
Total (Prog #7)		\$626,669	\$652,620	\$683,470	\$720,416	\$759,309	\$786,234	\$804,035	\$822,594	\$839,444	\$853,681	\$864,967	\$873,764	\$9,287,206
<u>Business On Call Program No. 11 (4.8%)</u>														
Depreciation (Prog #15)		\$23,946	\$24,958	\$26,143	\$27,548	\$29,028	\$30,110	\$30,873	\$31,661	\$32,393	\$33,022	\$33,559	\$34,037	\$357,276
Return (Prog #15)		\$7,651	\$7,948	\$8,318	\$8,775	\$9,256	\$9,532	\$9,666	\$9,815	\$9,932	\$10,021	\$10,053	\$10,019	\$110,986
Total (Prog #15)		\$31,597	\$32,905	\$34,461	\$36,324	\$38,285	\$39,642	\$40,540	\$41,475	\$42,325	\$43,043	\$43,612	\$44,055	\$468,262
<u>Total</u>														
Depreciation		\$498,879	\$519,950	\$544,645	\$573,924	\$604,756	\$627,286	\$643,190	\$659,595	\$674,852	\$687,951	\$699,137	\$709,094	\$7,443,259
Return		\$159,386	\$165,576	\$173,286	\$182,816	\$192,838	\$198,591	\$201,384	\$204,475	\$206,917	\$208,773	\$209,442	\$208,726	\$2,312,209
Total		\$658,266	\$685,525	\$717,931	\$756,740	\$797,594	\$825,876	\$844,574	\$864,069	\$881,769	\$896,724	\$908,579	\$917,820	\$9,755,468

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
7. Business Energy Evaluation														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,914	\$0	\$0	\$0	\$0	\$121,914
2. Depreciation Base		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,914	\$121,914	\$121,914	\$121,914	\$121,914	
3. Depreciation Expense ^(a)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,016	\$2,032	\$2,032	\$2,032	\$2,032	\$9,144
4. Cumulative Investment (Line 2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$121,914	\$121,914	\$121,914	\$121,914	\$121,914	
5. Less: Accumulated Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,016	\$3,048	\$5,080	\$7,112	\$9,144	
6. Net Investment (Line 4 - 5)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$120,898	\$118,866	\$116,834	\$114,802	\$112,770	
7. Average Net Investment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60,449	\$119,882	\$117,850	\$115,818	\$113,786	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$247	\$490	\$482	\$474	\$465	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$402	\$798	\$785	\$771	\$758	\$3,514
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70	\$139	\$137	\$134	\$132	\$613
9. Total Return Requirements (Line 8b + 8c)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$473	\$937	\$921	\$906	\$890	\$4,127
10. Total Depreciation & Return (Line 3 + 9)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,489	\$2,969	\$2,953	\$2,937	\$2,922	\$13,270

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
16. Common Expenses														
1. Investment (Net of Retirements)		\$0	(\$981,679)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$378,901)	(\$1,360,580)
2. Depreciation Base		\$4,854,236	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,493,656	
3. Depreciation Expense ^(a)		\$72,723	\$64,543	\$64,543	\$64,543	\$64,543	\$64,543	\$64,543	\$64,543	\$64,543	\$64,543	\$61,385	\$52,533	\$767,525
4. Cumulative Investment (Line 2)	\$4,854,236	\$4,854,236	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,872,557	\$3,493,656	
5. Less: Accumulated Depreciation	\$2,867,309	\$2,940,032	\$2,022,896	\$2,087,438	\$2,151,981	\$2,216,523	\$2,281,066	\$2,345,609	\$2,410,151	\$2,474,694	\$2,539,236	\$2,600,622	\$2,274,254	
6. Net Investment (Line 4 - 5)	\$1,986,927	\$1,914,204	\$1,849,661	\$1,785,118	\$1,720,576	\$1,656,033	\$1,591,491	\$1,526,948	\$1,462,405	\$1,397,863	\$1,333,320	\$1,271,935	\$1,219,402	
7. Average Net Investment		\$1,950,565	\$1,881,932	\$1,817,390	\$1,752,847	\$1,688,305	\$1,623,762	\$1,559,219	\$1,494,677	\$1,430,134	\$1,365,592	\$1,302,628	\$1,245,669	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$7,977	\$7,697	\$7,433	\$7,169	\$6,905	\$6,641	\$6,377	\$6,113	\$5,849	\$5,585	\$5,327	\$5,095	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$12,987	\$12,530	\$12,101	\$11,671	\$11,241	\$10,811	\$10,382	\$9,952	\$9,522	\$9,092	\$8,673	\$8,294	\$127,256
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$2,264	\$2,185	\$2,110	\$2,035	\$1,960	\$1,885	\$1,810	\$1,735	\$1,660	\$1,585	\$1,512	\$1,446	\$22,188
9. Total Return Requirements (Line 8b + 8c)		\$15,252	\$14,715	\$14,210	\$13,706	\$13,201	\$12,696	\$12,192	\$11,687	\$11,182	\$10,678	\$10,185	\$9,740	\$149,444
10. Total Depreciation & Return (Line 3 + 9)		\$87,975	\$79,258	\$78,753	\$78,248	\$77,744	\$77,239	\$76,734	\$76,230	\$75,725	\$75,220	\$71,570	\$62,273	\$916,969

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
17. Business Photovoltaic for Schools Pilot														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Depreciation Base		\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108
3. Depreciation Expense ^(a)		\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$1,837,022
4. Cumulative Investment (Line 2)	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108
5. Less: Accumulated Depreciation	\$4,221,526	\$4,374,611	\$4,527,697	\$4,680,782	\$4,833,867	\$4,986,952	\$5,140,037	\$5,293,122	\$5,446,207	\$5,599,293	\$5,752,378	\$5,905,463	\$6,058,548	
6. Net Investment (Line 4 - 5)	\$4,963,582	\$4,810,497	\$4,657,412	\$4,504,327	\$4,351,242	\$4,198,156	\$4,045,071	\$3,891,986	\$3,738,901	\$3,585,816	\$3,432,731	\$3,279,646	\$3,126,560	
7. Average Net Investment		\$4,887,040	\$4,733,954	\$4,580,869	\$4,427,784	\$4,274,699	\$4,121,614	\$3,968,529	\$3,815,444	\$3,662,358	\$3,509,273	\$3,356,188	\$3,203,103	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$19,987	\$19,361	\$18,735	\$18,109	\$17,483	\$16,857	\$16,230	\$15,604	\$14,978	\$14,352	\$13,726	\$13,100	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$32,539	\$31,520	\$30,500	\$29,481	\$28,462	\$27,443	\$26,423	\$25,404	\$24,385	\$23,365	\$22,346	\$21,327	\$323,195
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$5,673	\$5,496	\$5,318	\$5,140	\$4,962	\$4,785	\$4,607	\$4,429	\$4,252	\$4,074	\$3,896	\$3,718	\$56,351
9. Total Return Requirements (Line 8b + 8c)		\$38,212	\$37,015	\$35,818	\$34,621	\$33,424	\$32,227	\$31,030	\$29,833	\$28,636	\$27,439	\$26,242	\$25,045	\$379,546
10. Total Depreciation & Return (Line 3 + 9)		\$191,297	\$190,100	\$188,903	\$187,706	\$186,509	\$185,312	\$184,115	\$182,918	\$181,721	\$180,525	\$179,328	\$178,131	\$2,216,568

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Beginning of Period Amount	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
18. Solar Pilot Projects Common Expenses														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	(\$1,746,648)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,746,648)
2. Depreciation Base		\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Depreciation Expense ^(a)		\$29,111	\$29,111	\$29,111	\$14,555	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$101,888
4. Cumulative Investment (Line 2)	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5. Less: Accumulated Depreciation	\$1,644,760	\$1,673,871	\$1,702,982	\$1,732,093	\$1,746,648	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6. Net Investment (Line 4 - 5)	\$101,888	\$72,777	\$43,666	\$14,555	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7. Average Net Investment		\$87,332	\$58,222	\$29,111	\$7,278	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$357	\$238	\$119	\$30	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
b. Equity Component grossed up for taxes (Line 8a/61425)		\$581	\$388	\$194	\$48	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,211
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$101	\$68	\$34	\$8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$211
9. Total Return Requirements (Line 8b + 8c)		\$683	\$455	\$228	\$57	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,423
10. Total Depreciation & Return (Line 3 + 9)		\$29,794	\$29,566	\$29,338	\$14,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$103,310

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity component for Jan-Dec is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Debt component for Jan-Dec is 1.3931% based on May 2016 ROR Surveillance Report, per PSC-12-0425-PAA-EU

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Total for Period
1. Residential Home Energy Survey									
Actual	\$65,011	\$1,379,923	\$6,193	\$679,600	\$327,052	\$0	\$99,756	\$183,544	\$2,741,079
Estimated	\$62,606	\$2,188,892	\$0	\$784,779	\$6,631,402	\$0	\$118,733	\$133,111	\$9,919,523
Total	\$127,617	\$3,568,815	\$6,193	\$1,464,379	\$6,958,454	\$0	\$218,489	\$316,655	\$12,660,602
2. Residential Ceiling Insulation									
Actual	\$0	\$62,039	\$12	\$11,769	\$0	\$267,185	\$0	\$10,134	\$351,139
Estimated	\$0	\$41,549	\$0	\$1,441	\$0	\$381,315	\$0	\$5,910	\$430,215
Total	\$0	\$103,588	\$12	\$13,210	\$0	\$648,500	\$0	\$16,044	\$781,354
3. Residential Air Conditioning									
Actual	\$0	\$529,151	\$2,794	\$90,297	\$0	\$1,929,886	\$17	\$30,170	\$2,582,315
Estimated	\$0	\$676,550	\$0	\$58,817	\$0	\$2,906,700	\$0	\$70,503	\$3,712,571
Total	\$0	\$1,205,701	\$2,794	\$149,115	\$0	\$4,836,586	\$17	\$100,674	\$6,294,886
4. Residential New Construction (BuildSmart®)									
Actual	\$0	\$214,864	\$0	\$38,965	\$0	\$4,400	\$0	\$17,531	\$275,760
Estimated	\$0	\$173,075	\$0	\$29,011	\$0	\$4,675	\$0	\$26,303	\$233,064
Total	\$0	\$387,939	\$0	\$67,976	\$0	\$9,075	\$0	\$43,834	\$508,824
5. Residential Low-Income									
Actual	\$0	\$147,905	\$22,228	\$2,300	\$0	\$6,370	\$0	\$57,704	\$236,507
Estimated	\$0	\$57,101	\$1,049	\$50,363	\$0	\$134,000	\$0	\$16,390	\$258,902
Total	\$0	\$205,006	\$23,276	\$52,662	\$0	\$140,370	\$0	\$74,094	\$495,408
6. Residential Load Management ("On Call")									
Actual	\$3,766,734	(\$446,731)	\$36,031	\$2,110,059	\$25,089	\$17,436,835	\$6,982	\$274,797	\$23,209,796
Estimated	\$3,631,348	\$1,093,375	(\$1,011,317)	\$3,198,179	\$0	\$19,278,987	\$13,339	\$276,741	\$26,480,653
Total	\$7,398,082	\$646,644	(\$975,286)	\$5,308,238	\$25,089	\$36,715,823	\$20,321	\$551,538	\$49,690,449
7. Business Energy Evaluation									
Actual	\$0	\$2,064,850	\$206	\$274,665	\$137,770	\$0	\$9,906	\$124,097	\$2,611,493
Estimated	\$0	\$2,107,800	\$6,291	\$704,700	\$2,739,170	\$0	\$18,257	\$230,526	\$5,806,744
Total	\$0	\$4,172,650	\$6,497	\$979,365	\$2,876,940	\$0	\$28,163	\$354,623	\$8,418,237
8. Business Lighting									
Actual	\$0	\$56,414	\$0	\$32,983	\$0	\$19,306	\$0	\$3,294	\$111,998
Estimated	\$0	\$75,895	\$0	\$4,051	\$0	\$148,939	\$0	\$2,195	\$231,081
Total	\$0	\$132,309	\$0	\$37,034	\$0	\$168,246	\$0	\$5,489	\$343,078
9. Business Heating, Ventilating & A/C									
Actual	\$0	\$143,439	\$278	\$105,366	\$150	\$3,120,385	\$0	\$10,455	\$3,380,074
Estimated	\$0	\$230,856	\$0	\$12,971	\$0	\$2,149,322	\$0	\$38,670	\$2,431,818
Total	\$0	\$374,294	\$278	\$118,337	\$150	\$5,269,707	\$0	\$49,126	\$5,811,892

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION

SCHEDULE C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Total for Period
10. Business Custom Incentive									
Actual	\$0	\$32,000	\$22	\$0	\$0	\$160,531	\$0	\$2,157	\$194,710
Estimated	\$0	\$32,820	\$0	\$0	\$0	\$497,219	\$0	\$2,443	\$532,483
Total	\$0	\$64,820	\$22	\$0	\$0	\$657,750	\$0	\$4,600	\$727,192
11. Business On Call									
Actual	\$193,562	\$22,235	\$0	\$67,028	\$0	\$1,428,573	\$0	\$12,426	\$1,723,825
Estimated	\$183,093	\$28,533	(\$146,000)	\$49,104	\$0	\$2,045,961	\$129	\$13,669	\$2,174,489
Total	\$376,656	\$50,768	(\$146,000)	\$116,132	\$0	\$3,474,534	\$129	\$26,094	\$3,898,314
12. Commercial/Industrial Load Control									
Actual	\$0	\$107,768	\$5,603	\$12,392	\$0	\$19,589,778	\$0	\$18,488	\$19,734,028
Estimated	\$0	\$95,805	\$2,394	\$15,459	\$0	\$21,307,506	\$23	\$24,031	\$21,445,218
Total	\$0	\$203,573	\$7,997	\$27,851	\$0	\$40,897,284	\$23	\$42,519	\$41,179,246
13. Commercial/Industrial Demand Reduction									
Actual	\$0	\$136,362	\$1,471	\$133	\$0	\$8,848,956	\$0	\$28,398	\$9,015,320
Estimated	\$0	\$121,788	\$3,478	\$21,437	\$0	\$10,791,577	\$23	\$34,774	\$10,973,077
Total	\$0	\$258,151	\$4,949	\$21,569	\$0	\$19,640,532	\$23	\$63,172	\$19,988,396
14. Cogeneration & Small Power Production									
Actual	\$0	\$259,140	\$0	\$0	\$0	\$0	\$0	(\$78,592)	\$180,548
Estimated	\$0	\$271,624	\$0	\$1,750	\$0	\$0	\$0	(\$98,625)	\$174,749
Total	\$0	\$530,764	\$0	\$1,750	\$0	\$0	\$0	(\$177,217)	\$355,298
15. Conservation Research & Development									
Actual	\$0	\$14,715	\$0	\$67,030	\$0	\$0	\$0	\$1,604	\$83,349
Estimated	\$0	\$17,526	\$0	\$154,931	\$0	\$0	\$0	\$0	\$172,457
Total	\$0	\$32,241	\$0	\$221,961	\$0	\$0	\$0	\$1,604	\$255,806
16. Common Expenses									
Actual	\$994,318	\$2,971,214	\$4,146	\$315,892	\$0	\$0	\$10,324	\$567,644	\$4,863,539
Estimated	\$590,419	\$3,106,215	\$245	\$494,899	\$0	\$0	\$9,900	\$549,720	\$4,751,398
Total	\$1,584,737	\$6,077,429	\$4,391	\$810,791	\$0	\$0	\$20,224	\$1,117,364	\$9,614,937
17. Business Photovoltaic for Schools Pilot									
Actual	\$1,242,448	\$2,780	\$0	\$40,251	\$0	\$0	\$0	(\$1)	\$1,285,479
Estimated	\$1,172,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,172,921
Total	\$2,415,370	\$2,780	\$0	\$40,251	\$0	\$0	\$0	(\$1)	\$2,458,400
18. Solar Pilot Projects Common Expenses									
Actual	\$191,654	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$191,654
Estimated	\$183,542	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$183,542
Total	\$375,196	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$375,196

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Total for Period
19. Discontinued Programs ⁽¹⁾									
Actual	\$0	\$3,721	(\$0)	\$0	\$0	\$258,902	\$0	\$23	\$262,646
Estimated	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$3,721	(\$0)	\$0	\$0	\$258,902	\$0	\$23	\$262,646
20. Recoverable Conservation Expenses									
Actual	\$6,453,727	\$7,701,790	\$78,983	\$3,848,730	\$490,061	\$53,071,107	\$126,985	\$1,263,874	\$73,035,257
Estimated	\$5,823,930	\$10,319,405	(\$1,143,862)	\$5,581,892	\$9,370,572	\$59,646,201	\$160,404	\$1,326,361	\$91,084,904
Total	\$12,277,658	\$18,021,195	(\$1,064,879)	\$9,430,622	\$9,860,633	\$112,717,308	\$287,389	\$2,590,235	\$164,120,161

Totals may not add due to rounding

(1) Residual expenses from programs discontinued in 2015

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
1. Residential Home Energy Survey														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2. Depreciation Base		\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	
3. Depreciation Expense ^(a)		\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$105,082
4. Cumulative Investment (Line 2)	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	
5. Less: Accumulated Depreciation	\$232,057	\$240,814	\$249,571	\$258,327	\$267,084	\$275,841	\$284,598	\$293,355	\$302,112	\$310,869	\$319,625	\$328,382	\$337,139	
6. Net Investment (Line 4 - 5)	\$293,355	\$284,598	\$275,841	\$267,084	\$258,327	\$249,571	\$240,814	\$232,057	\$223,300	\$214,543	\$205,786	\$197,029	\$188,273	
7. Average Net Investment		\$288,976	\$280,220	\$271,463	\$262,706	\$253,949	\$245,192	\$236,435	\$227,678	\$218,922	\$210,165	\$201,408	\$192,651	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$1,161	\$1,126	\$1,090	\$1,055	\$1,020	\$985	\$967	\$931	\$895	\$860	\$824	\$788	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$1,890	\$1,832	\$1,775	\$1,718	\$1,661	\$1,603	\$1,574	\$1,516	\$1,458	\$1,399	\$1,341	\$1,283	\$19,050
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$359	\$348	\$337	\$326	\$315	\$305	\$274	\$264	\$254	\$244	\$234	\$224	\$3,485
9. Total Return Requirements (Line 8b + 8c)		\$2,249	\$2,180	\$2,112	\$2,044	\$1,976	\$1,908	\$1,849	\$1,780	\$1,712	\$1,643	\$1,575	\$1,506	\$22,535
10. Total Depreciation & Return (Line 3 + 9)		\$11,005	\$10,937	\$10,869	\$10,801	\$10,733	\$10,665	\$10,606	\$10,537	\$10,469	\$10,400	\$10,332	\$10,263	\$127,617

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2016 actual period is 4.8201% based on May 2015 ROR Surveillance Report and reflects a 10.5% return on equity. Monthly Equity component for Jul-Dec 2016 estimated period is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity

per Order No. PSC 12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun 2016 actual period is 1.4904% based on May 2015 ROR Surveillance report and the Debt Component for Jul-Dec 2016 estimated is 1.3931% based on the May 2016 ROR Surveillance Report, per Order PSC-12-0425-PAA-EU.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
Load Management (Program Nos. 6 & 11)														
1. Investment (Net of Retirements)		\$200,687	\$1,196,518	(\$59,001)	(\$30,930)	\$1,955,204	(\$7,228,678)	\$877,799	\$762,976	\$882,762	\$784,047	\$1,362,560	\$589,000	\$1,292,944
2. Depreciation Base		\$31,277,282	\$32,473,800	\$32,414,799	\$32,383,870	\$34,339,074	\$27,110,396	\$27,988,195	\$28,751,171	\$29,633,933	\$30,417,980	\$31,780,540	\$32,369,540	
3. Depreciation Expense ^(a)		\$519,616	\$531,259	\$540,738	\$539,989	\$556,025	\$512,079	\$457,611	\$471,665	\$485,701	\$498,265	\$516,668	\$509,168	\$6,138,784
4. Cumulative Investment (Line 2)	\$31,076,596	\$31,277,282	\$32,473,800	\$32,414,799	\$32,383,870	\$34,339,074	\$27,110,396	\$27,988,195	\$28,751,171	\$29,633,933	\$30,417,980	\$31,780,540	\$32,369,540	
5. Less: Accumulated Depreciation	\$14,894,587	\$15,352,008	\$15,883,268	\$16,361,190	\$16,876,895	\$17,388,149	\$9,856,415	\$10,267,291	\$10,600,469	\$11,085,060	\$11,483,500	\$11,839,903	\$12,311,003	
6. Net Investment (Line 4 - 5)	\$16,182,009	\$15,925,274	\$16,590,533	\$16,053,610	\$15,506,974	\$16,950,924	\$17,253,981	\$17,720,904	\$18,150,702	\$18,548,873	\$18,934,480	\$19,940,637	\$20,058,537	
7. Average Net Investment		\$16,053,641	\$16,257,903	\$16,322,071	\$15,780,292	\$16,228,949	\$17,102,453	\$17,487,443	\$17,935,803	\$18,349,787	\$18,741,677	\$19,437,559	\$19,999,587	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$64,484	\$65,305	\$65,562	\$63,386	\$65,188	\$68,697	\$71,520	\$73,354	\$75,047	\$76,650	\$79,496	\$81,794	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$104,980	\$106,316	\$106,736	\$103,193	\$106,127	\$111,839	\$116,435	\$119,420	\$122,177	\$124,786	\$129,419	\$133,161	\$1,384,589
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$19,939	\$20,192	\$20,272	\$19,599	\$20,156	\$21,241	\$20,301	\$20,822	\$21,302	\$21,757	\$22,565	\$23,218	\$251,365
9. Total Return Requirements (Line 8b + 8c)		\$124,919	\$126,509	\$127,008	\$122,792	\$126,283	\$133,080	\$136,736	\$140,242	\$143,479	\$146,543	\$151,984	\$156,379	\$1,635,954
10. Total Depreciation & Return (Line 3 + 9)		\$644,535	\$657,768	\$667,746	\$662,781	\$682,308	\$645,159	\$594,347	\$611,907	\$629,180	\$644,808	\$668,652	\$665,546	\$7,774,738
Allocation of Depreciation and Return on Investment Between Programs														
Residential On Call Program No. 6 ^d														
Depreciation (Prog #7)		\$494,674	\$505,759	\$514,783	\$514,069	\$529,335	\$487,499	\$435,646	\$449,025	\$462,388	\$474,348	\$491,868	\$484,728	\$5,844,122
Return (Prog #7)		\$118,345	\$119,858	\$120,333	\$116,320	\$119,644	\$126,114	\$130,173	\$133,510	\$136,592	\$139,509	\$144,689	\$148,873	\$1,553,960
Total (Prog #7)		\$613,019	\$625,617	\$635,116	\$630,389	\$648,979	\$613,614	\$565,819	\$582,535	\$598,980	\$613,857	\$636,557	\$633,600	\$7,398,082
Business On Call Program No. 11 ^e														
Depreciation (Prog #15)		\$24,942	\$25,500	\$25,955	\$25,919	\$26,689	\$24,580	\$21,965	\$22,640	\$23,314	\$23,917	\$24,800	\$24,440	\$294,662
Return (Prog #15)		\$6,574	\$6,650	\$6,674	\$6,472	\$6,640	\$6,966	\$6,563	\$6,732	\$6,887	\$7,034	\$7,295	\$7,506	\$81,994
Total (Prog #15)		\$31,516	\$32,151	\$32,630	\$32,392	\$33,329	\$31,546	\$28,529	\$29,372	\$30,201	\$30,951	\$32,095	\$31,946	\$376,656
Total														
Depreciation		\$519,616	\$531,259	\$540,738	\$539,989	\$556,025	\$512,079	\$457,611	\$471,665	\$485,701	\$498,265	\$516,668	\$509,168	\$6,138,784
Return		\$124,919	\$126,509	\$127,008	\$122,792	\$126,283	\$133,080	\$136,736	\$140,242	\$143,479	\$146,543	\$151,984	\$156,379	\$1,635,954
Total		\$644,535	\$657,768	\$667,746	\$662,781	\$682,308	\$645,159	\$594,347	\$611,907	\$629,180	\$644,808	\$668,652	\$665,546	\$7,774,738

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2016 actual period is 4.8201% based on May 2015 ROR Surveillance Report and reflects a 10.5% return on equity. Monthly Equity component for Jul-Dec 2016 estimated period is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity per Order No. PSC 12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun 2016 actual period is 1.4904% based on May 2015 ROR Surveillance report and the Debt Component for Jul-Dec 2016 estimated is 1.3931% based on the May 2016 ROR Surveillance Report, per Order PSC-12-0425-PAA-EU.

^(d) Allocation of Depreciation and Return for the Residential On Call Program is 95.1% for Jan-Jun and 95.2% for Jul-Dec.

^(e) Allocation of Depreciation and Return for the Business On Call Program is 4.9% for Jan- Jun and 4.8% for Jul-Dec.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
16. Common Expenses														
1. Investment (Net of Retirements)		\$5,682	(\$5,562)	\$0	\$341,589	(\$4,923,145)	\$0	(\$1,315,780)	\$74,169	(\$547)	(\$85,728)	\$1,694	\$1,694	(\$5,905,934)
2. Depreciation Base		\$10,765,852	\$10,760,290	\$10,760,290	\$11,101,879	\$6,178,734	\$6,178,734	\$4,862,954	\$4,937,123	\$4,936,577	\$4,850,848	\$4,852,542	\$4,854,236	
3. Depreciation Expense ^(a)		\$179,478	\$179,199	\$179,338	\$141,159	\$102,979	\$92,002	\$81,038	\$81,667	\$81,552	\$80,833	\$80,862	\$80,890	\$1,360,997
4. Cumulative Investment (Line 2)	\$10,760,170	\$10,765,852	\$10,760,290	\$10,760,290	\$11,101,879	\$6,178,734	\$6,178,734	\$4,862,954	\$4,937,123	\$4,936,577	\$4,850,848	\$4,852,542	\$4,854,236	
5. Less: Accumulated Depreciation	\$7,834,051	\$8,013,529	\$8,192,728	\$8,372,066	\$8,513,225	\$3,693,058	\$3,785,061	\$2,548,927	\$2,630,594	\$2,712,146	\$2,705,558	\$2,786,419	\$2,867,309	
6. Net Investment (Line 4 - 5)	\$2,926,119	\$2,752,323	\$2,567,562	\$2,388,224	\$2,588,655	\$2,485,676	\$2,393,673	\$2,314,027	\$2,306,529	\$2,224,430	\$2,145,291	\$2,066,123	\$1,986,927	
7. Average Net Investment		\$2,839,221	\$2,659,942	\$2,477,893	\$2,488,439	\$2,537,165	\$2,439,674	\$2,353,850	\$2,310,278	\$2,265,480	\$2,184,861	\$2,105,707	\$2,026,525	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$11,405	\$10,684	\$9,953	\$9,996	\$10,191	\$9,800	\$9,627	\$9,449	\$9,265	\$8,936	\$8,612	\$8,288	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$18,567	\$17,394	\$16,204	\$16,273	\$16,591	\$15,954	\$15,672	\$15,382	\$15,084	\$14,547	\$14,020	\$13,493	\$189,182
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$3,526	\$3,304	\$3,078	\$3,091	\$3,151	\$3,030	\$2,733	\$2,682	\$2,630	\$2,536	\$2,445	\$2,353	\$34,557
9. Total Return Requirements (Line 8b + 8c)		\$22,093	\$20,698	\$19,281	\$19,363	\$19,743	\$18,984	\$18,405	\$18,064	\$17,714	\$17,084	\$16,465	\$15,846	\$223,740
10. Total Depreciation & Return (Line 3 + 9)		\$201,571	\$199,897	\$198,620	\$160,522	\$122,721	\$110,986	\$99,443	\$99,732	\$99,266	\$97,917	\$97,326	\$96,735	\$1,584,737

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2016 actual period is 4.8201% based on May 2015 ROR Surveillance Report and reflects a 10.5% return on equity. Monthly Equity component for Jul-Dec 2016 estimated period is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity

per Order No. PSC 12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun 2016 actual period is 1.4904% based on May 2015 ROR Surveillance report and the Debt Component for Jul-Dec 2016 estimated is 1.3931% based on the May 2016 ROR Surveillance Report, per Order PSC-12-0425-PAA-EU.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
17. Business Photovoltaic for Schools Pilot														
1. Investment (Net of Retirements)		\$0	\$66	(\$662,253)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$662,187)
2. Depreciation Base		\$9,847,295	\$9,847,361	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	
3. Depreciation Expense ^(a)		\$164,122	\$164,122	\$158,604	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$1,864,614
4. Cumulative Investment (Line 2)	\$9,847,295	\$9,847,295	\$9,847,361	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108	\$9,185,108
5. Less: Accumulated Depreciation	\$3,019,099	\$3,183,221	\$3,347,343	\$2,843,760	\$2,996,845	\$3,149,930	\$3,303,015	\$3,456,101	\$3,609,186	\$3,762,271	\$3,915,356	\$4,068,441	\$4,221,526	
6. Net Investment (Line 4 - 5)	\$6,828,196	\$6,664,074	\$6,500,018	\$6,341,348	\$6,188,263	\$6,035,178	\$5,882,093	\$5,729,008	\$5,575,923	\$5,422,838	\$5,269,752	\$5,116,667	\$4,963,582	
7. Average Net Investment		\$6,746,135	\$6,582,046	\$6,420,683	\$6,264,806	\$6,111,721	\$5,958,636	\$5,805,550	\$5,652,465	\$5,499,380	\$5,346,295	\$5,193,210	\$5,040,125	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$27,098	\$26,439	\$25,791	\$25,164	\$24,550	\$23,935	\$23,744	\$23,117	\$22,491	\$21,865	\$21,239	\$20,613	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$44,115	\$43,042	\$41,987	\$40,968	\$39,967	\$38,966	\$38,655	\$37,635	\$36,616	\$35,597	\$34,577	\$33,558	\$465,683
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$8,379	\$8,175	\$7,974	\$7,781	\$7,591	\$7,401	\$6,740	\$6,562	\$6,384	\$6,207	\$6,029	\$5,851	\$85,073
9. Total Return Requirements (Line 8b + 8c)		\$52,494	\$51,217	\$49,962	\$48,749	\$47,557	\$46,366	\$45,394	\$44,197	\$43,000	\$41,803	\$40,606	\$39,409	\$550,756
10. Total Depreciation & Return (Line 3 + 9)		\$216,616	\$215,339	\$208,566	\$201,834	\$200,643	\$199,451	\$198,479	\$197,282	\$196,085	\$194,888	\$193,691	\$192,494	\$2,415,370

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2016 actual period is 4.8201% based on May 2015 ROR Surveillance Report and reflects a 10.5% return on equity. Monthly Equity component for Jul-Dec 2016 estimated period is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity

per Order No. PSC 12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun 2016 actual period is 1.4904% based on May 2015 ROR Surveillance report and the Debt Component for Jul-Dec 2016 estimated is 1.3931% based on the May 2016 ROR Surveillance Report, per Order PSC-12-0425-PAA-EU.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION RETURN

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	Beginning of Period Amount	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
18. Solar Pilot Projects Common Expenses														
1. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Depreciation Base		\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648
3. Depreciation Expense ^(a)		\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$29,111	\$349,330
4. Cumulative Investment (Line 2)	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648	\$1,746,648
5. Less: Accumulated Depreciation	\$1,295,431	\$1,324,542	\$1,353,652	\$1,382,763	\$1,411,874	\$1,440,985	\$1,470,096	\$1,499,206	\$1,528,317	\$1,557,428	\$1,586,539	\$1,615,650	\$1,644,760	
6. Net Investment (Line 4 - 5)	\$451,217	\$422,107	\$392,996	\$363,885	\$334,774	\$305,663	\$276,553	\$247,442	\$218,331	\$189,220	\$160,109	\$130,999	\$101,888	
7. Average Net Investment		\$436,662	\$407,551	\$378,440	\$349,330	\$320,219	\$291,108	\$261,997	\$232,886	\$203,776	\$174,665	\$145,554	\$116,443	
8. Return on Average Net Investment														
a. Equity Component ^(b)		\$1,754	\$1,637	\$1,520	\$1,403	\$1,286	\$1,169	\$1,072	\$952	\$833	\$714	\$595	\$476	
b. Equity Component grossed up for taxes (Line 8a/61425)		\$2,855	\$2,665	\$2,475	\$2,284	\$2,094	\$1,904	\$1,744	\$1,551	\$1,357	\$1,163	\$969	\$775	\$21,837
c. Debt Component (Line 7 * debt rate * 1/12) ^(c)		\$542	\$506	\$470	\$434	\$398	\$362	\$304	\$270	\$237	\$203	\$169	\$135	\$4,030
9. Total Return Requirements (Line 8b + 8c)		\$3,398	\$3,171	\$2,945	\$2,718	\$2,492	\$2,265	\$2,049	\$1,821	\$1,593	\$1,366	\$1,138	\$910	\$25,866
10. Total Depreciation & Return (Line 3 + 9)		\$32,509	\$32,282	\$32,056	\$31,829	\$31,603	\$31,376	\$31,159	\$30,932	\$30,704	\$30,477	\$30,249	\$30,021	\$375,196

^(a) Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

^(b) Monthly Equity Component for Jan-Jun 2016 actual period is 4.8201% based on May 2015 ROR Surveillance Report and reflects a 10.5% return on equity. Monthly Equity component for Jul-Dec 2016 estimated period is 4.9078% based on the May 2016 ROR Surveillance Report and reflects a 10.5% return on equity

per Order No. PSC 12-0425-PAA-EU.

^(c) Monthly Debt Component for Jan-Jun 2016 actual period is 1.4904% based on May 2015 ROR Surveillance report and the Debt Component for Jul-Dec 2016 estimated is 1.3931% based on the May 2016 ROR Surveillance Report, per Order PSC-12-0425-PAA-EU.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
 ENERGY CONSERVATION COST RECOVERY
 SUMMARY OF ECCR CALCULATION

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

PROGRAM TITLE	Monthly Data												Twelve Month Amount
	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	
1. Residential Home Energy Survey	\$328,872	\$667,904	\$477,480	\$400,619	\$369,158	\$497,046	\$2,870,397	\$2,603,810	\$2,347,663	\$724,056	\$776,166	\$597,431	\$12,660,602
2. Residential Ceiling Insulation	\$60,024	\$82,742	\$42,944	\$46,756	\$52,707	\$65,966	\$68,713	\$81,409	\$83,198	\$76,165	\$65,422	\$55,307	\$781,354
3. Residential Air Conditioning	\$509,578	\$384,013	\$296,064	\$432,912	\$494,419	\$465,329	\$839,083	\$760,300	\$735,863	\$575,135	\$425,884	\$376,307	\$6,294,886
4. Residential New Construction (BuildSmart®)	\$38,408	\$49,496	\$61,320	\$50,454	\$42,257	\$33,826	\$47,029	\$38,635	\$37,129	\$36,783	\$36,939	\$36,549	\$508,824
5. Residential Low-Income Weatherization	\$14,677	\$83,466	\$26,998	\$36,319	\$41,903	\$33,144	\$13,955	\$24,828	\$36,124	\$89,477	\$80,054	\$14,464	\$495,408
6. Residential Load Management ("On Call")	\$3,011,442	\$2,837,063	\$3,484,958	\$4,505,792	\$4,470,932	\$4,899,609	\$4,845,847	\$4,896,808	\$4,892,854	\$4,839,227	\$3,576,588	\$3,429,328	\$49,690,449
7. Business Energy Evaluation	\$398,014	\$549,533	\$417,211	\$411,365	\$424,894	\$410,477	\$1,471,409	\$1,269,785	\$1,363,996	\$674,958	\$464,248	\$562,348	\$8,418,237
8. Business Efficient Lighting	\$6,688	\$17,911	\$31,338	\$10,091	\$21,955	\$24,014	\$32,251	\$35,624	\$33,236	\$40,810	\$45,961	\$43,199	\$343,078
9. Business Heating, Ventilating & A/C	\$81,749	\$230,270	\$1,578,194	\$275,901	\$960,630	\$253,331	\$337,031	\$410,663	\$206,370	\$137,963	\$297,633	\$1,042,157	\$5,811,892
10. Business Custom Incentive	\$4,375	\$5,210	\$26,768	\$12,362	\$139,925	\$6,070	\$230,882	\$6,124	\$78,436	\$88,023	\$73,141	\$55,875	\$727,192
11. Business On Call	\$40,913	\$40,366	\$59,761	\$521,397	\$532,684	\$528,704	\$577,043	\$573,748	\$568,210	\$329,736	\$83,743	\$42,010	\$3,898,314
12. Commercial/Industrial Load Control	\$2,630,885	\$2,942,905	\$2,485,676	\$2,724,274	\$2,888,572	\$6,061,715	\$3,002,536	\$2,974,628	\$3,556,033	\$2,974,238	\$3,533,032	\$5,404,751	\$41,179,246
13. Commercial/Industrial Demand Reduction	\$1,358,055	\$1,286,541	\$1,322,499	\$1,544,637	\$1,695,371	\$1,808,216	\$1,889,370	\$1,935,573	\$1,967,490	\$1,956,459	\$1,694,404	\$1,529,781	\$19,988,396
14. Cogeneration & Small Power Production	\$33,992	\$24,763	\$34,111	\$27,892	\$31,288	\$28,503	\$25,726	\$29,877	\$29,182	\$28,569	\$30,698	\$30,698	\$355,298
15. Conservation Research & Development	\$3,077	\$3,269	\$16,691	\$3,170	\$3,333	\$53,808	\$18,387	\$36,732	\$32,983	\$18,387	\$32,983	\$32,984	\$255,806
16. Common Expenses	\$794,712	\$942,037	\$899,580	\$737,332	\$747,145	\$742,732	\$713,877	\$760,338	\$778,440	\$814,782	\$818,521	\$865,439	\$9,614,937
17. Business Photovoltaic for Schools Pilot	\$220,897	\$215,339	\$247,316	\$201,834	\$200,643	\$199,450	\$198,479	\$197,282	\$196,085	\$194,888	\$193,691	\$192,494	\$2,458,400
18. Solar Pilot Projects Common Expenses	\$32,509	\$32,282	\$32,056	\$31,829	\$31,603	\$31,376	\$31,159	\$30,932	\$30,704	\$30,477	\$30,249	\$30,021	\$375,196
19. Discontinued Programs ⁽¹⁾	\$19,980	\$5,823	\$237,689	(\$285)	\$799	(\$1,360)	\$0	\$0	\$0	\$0	\$0	\$0	\$262,646
20. Recoverable Conservation Expenses	\$9,588,845	\$10,400,935	\$11,778,651	\$11,974,653	\$13,150,217	\$16,141,957	\$17,213,175	\$16,667,096	\$16,973,998	\$13,630,133	\$12,259,358	\$14,341,145	\$164,120,161

Note: Totals may not add due to rounding.

(1) Residual expenses from programs discontinued in 2015

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Total
B. CONSERVATION PROGRAM REVENUES													
1. Residential Load Control Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Conservation Clause Revenues (Net of Revenue Taxes)	\$14,727,751	\$12,986,447	\$13,698,928	\$14,699,130	\$15,347,672	\$17,323,095	\$18,117,482	\$18,351,093	\$17,943,306	\$16,547,925	\$14,421,024	\$14,255,282	\$188,419,135
3. Total Revenues	\$14,727,751	\$12,986,447	\$13,698,928	\$14,699,130	\$15,347,672	\$17,323,095	\$18,117,482	\$18,351,093	\$17,943,306	\$16,547,925	\$14,421,024	\$14,255,282	\$188,419,135
4. Adjustment Not Applicable To Period - Prior True-up	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$1,496,497)	(\$17,957,961)
5. Conservation Revenues Applicable To Period (Line B3 + B4)	\$13,231,254	\$11,489,950	\$12,202,432	\$13,202,634	\$13,851,175	\$15,826,598	\$16,620,985	\$16,854,596	\$16,446,809	\$15,051,428	\$12,924,527	\$12,758,785	\$170,461,174
6. Conservation Expenses (From C-3, Page 9, Line 20)	\$9,588,845	\$10,400,935	\$11,778,651	\$11,974,653	\$13,150,217	\$16,141,957	\$17,213,176	\$16,667,096	\$16,973,997	\$13,630,132	\$12,259,357	\$14,341,145	\$164,120,161
7. True-up This Period (Line B5 - Line B6)	\$3,642,410	\$1,089,016	\$423,780	\$1,227,981	\$700,958	(\$315,359)	(\$592,190)	\$187,500	(\$527,188)	\$1,421,296	\$665,170	(\$1,582,360)	\$6,341,013
8. Interest Provision For The Month (From C-3, Page 11, Line C10)	(\$1,183)	\$107	\$919	\$1,589	\$2,144	\$2,788	\$3,195	\$3,606	\$4,027	\$4,644	\$5,450	\$5,780	\$33,064
9. True-up & Interest Provision Beginning of Month	(\$17,957,961)	(\$12,820,238)	(\$10,234,618)	(\$8,313,422)	(\$5,587,356)	(\$3,387,757)	(\$2,203,832)	(\$1,296,330)	\$391,272	\$1,364,608	\$4,287,044	\$6,454,160	(\$17,957,961)
9a. Deferred True-up Beginning of Period	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477	\$11,839,477
10. Prior True-up Collected/(Refunded)	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$1,496,497	\$17,957,961
11. End of Period True-up - Over/(Under) Recovery (Line B7+B8+B9+B9a+B10)	(\$980,761)	\$1,604,859	\$3,526,055	\$6,252,121	\$8,451,720	\$9,635,645	\$10,543,147	\$12,230,749	\$13,204,085	\$16,126,521	\$18,293,637	\$18,213,554	\$18,213,554

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION TRUE-UP INTEREST CALCULATION

SCHEDULE: C-3

JANUARY THROUGH JUNE 2016: ACTUAL JULY THROUGH DECEMBER 2016: ESTIMATED

	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Total
C. INTEREST PROVISION													
1. Beginning True-up Amount (Line B9 + B9a)	(\$6,118,484)	(\$980,761)	\$1,604,859	\$3,526,055	\$6,252,121	\$8,451,720	\$9,635,645	\$10,543,147	\$12,230,749	\$13,204,085	\$16,126,521	\$18,293,637	N/A
2. Ending True-up Amount Before Interest (Line B7+B9+B9a+B10)	(\$979,578)	\$1,604,752	\$3,525,136	\$6,250,532	\$8,449,576	\$9,632,858	\$10,539,952	\$12,227,143	\$13,200,058	\$16,121,878	\$18,288,188	\$18,207,774	N/A
3. Total of Beginning & Ending True-up (Line C1+C2)	(\$7,098,062)	\$623,991	\$5,129,994	\$9,776,587	\$14,701,697	\$18,084,578	\$20,175,597	\$22,770,290	\$25,430,807	\$29,325,962	\$34,414,709	\$36,501,412	N/A
4. Average True-up Amount (50% of Line C3)	(\$3,549,031)	\$311,996	\$2,564,997	\$4,888,294	\$7,350,848	\$9,042,289	\$10,087,799	\$11,385,145	\$12,715,403	\$14,662,981	\$17,207,355	\$18,250,706	N/A
5. Interest Rate - First Day of Reporting Business Month	0.40000%	0.40000%	0.42000%	0.44000%	0.34000%	0.36000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
6. Interest Rate - First day of Subsequent Business Month	0.40000%	0.42000%	0.44000%	0.34000%	0.36000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
7. Total (Line C5 + C6)	0.80000%	0.82000%	0.86000%	0.78000%	0.70000%	0.74000%	0.76000%	0.76000%	0.76000%	0.76000%	0.76000%	0.76000%	N/A
8. Average Interest Rate (50% of Line C7)	0.40000%	0.41000%	0.43000%	0.39000%	0.35000%	0.37000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	0.38000%	N/A
9. Monthly Average Interest Rate (Line C8 / 12)	0.03333%	0.03417%	0.03583%	0.03250%	0.02917%	0.03083%	0.03167%	0.03167%	0.03167%	0.03167%	0.03167%	0.03167%	N/A
10. Interest Provision for the Month (Line C4 x C9)	(\$1,183)	\$107	\$919	\$1,589	\$2,144	\$2,788	\$3,195	\$3,606	\$4,027	\$4,644	\$5,450	\$5,780	\$33,064

Florida Power & Light Company
Docket No. 160002-EG
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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 7
PARTY: FLORIDA POWER & LIGHT
COMPANY – DIRECT*Notice of Adoption of
Terry J. Keith’s testimony and exhibits by

FPL DSM Program & Pilot Descriptions

FPL's DSM programs are designed to reduce energy consumption and growth of coincident peak demand.

1. Residential Home Energy Survey

This program educates customers on energy efficiency and encourages implementation of recommended practices and measures, even if these are not included in FPL's DSM programs. The HES is also used to identify potential candidates for other FPL DSM programs.

2. Residential Ceiling Insulation

This program encourages customers to improve the home's thermal efficiency.

3. Residential Air-Conditioning

This program encourages customers to install high-efficiency central air-conditioning systems.

4. Residential New Construction (BuildSmart®)

This program encourages builders and developers to design and construct new homes that achieve BuildSmart® certification and move towards ENERGY STAR® qualifications.

5. Residential Low Income

This program assists low income customers through state Weatherization Assistance Provider ("WAP") agencies and FPL conducted Energy Retrofits.

6. Residential Load Management (On-Call)

This program allows FPL to turn off certain customer-selected appliances using FPL-installed equipment during periods of extreme demand, capacity shortages or system emergencies.

7. Business Energy Evaluation (BEE)

This program educates customers on energy efficiency and encourages implementation of recommended practices and measures, even if these are not included in FPL's DSM programs. The BEE is also used to identify potential candidates for other FPL DSM programs

8. Business Lighting

This program encourages customers to install high-efficiency lighting systems.

9. Business Heating, Ventilating and Air Conditioning (HVAC)

This program encourages customers to install high-efficiency HVAC systems.

10. Business Custom Incentive (BCI)

This program encourages customers to install unique high-efficiency technologies not covered by other FPL DSM programs.

11. Business On Call

This program allows FPL to turn off customers' direct expansion central air-conditioning units using FPL-installed equipment during periods of extreme demand, capacity shortages or system emergencies.

FPL DSM Program & Pilot Descriptions (cont'd)

12. Commercial/Industrial Load Control (CILC)

This program allows FPL to control customer loads of 200 kW or greater during periods of extreme demand, capacity shortages, or system emergencies. It was closed to new participants as of December 31, 2000. It is available to existing participants who had entered into a CILC agreement as of March 19, 1996.

13. Commercial/Industrial Demand Reduction (CDR)

This program allows FPL to control customer loads of 200 kW or greater during periods of extreme demand, capacity shortages, or system emergencies.

14. Cogeneration and Small Power Production

This program facilitates the interconnection and administration of contracts for cogenerators and small power producers.

15. Conservation Research & Development (CRD) Project

Under this project, FPL conducts research projects designed to: identify new energy efficient technologies; evaluate and quantify their impacts on energy, demand and customers; and where appropriate, develop emerging technologies into DSM programs.

16. Common Expenses

For administrative efficiency this includes all costs that are not specific to a particular program

17. Business PV for Schools Pilot

Under this pilot, FPL installed photovoltaic (PV) systems and provided supporting educational training and materials for selected schools in most public school districts in FPL's territory to demonstrate and educate students on the practical issues of PV. There will be capital depreciation and return costs for this pilot until 2021 when ownership of the last PV systems are transferred to their respective customers.

18. Solar Pilot Project Common Expenses

For administrative efficiency, this included all costs that were not specific to a particular solar pilot. Costs are for residual capital depreciation and return costs associated with computer systems which supported the discontinued solar pilots.

Discontinued Programs

These programs from FPL's previously approved DSM Plan that were discontinued in the current DSM Plan had residual cost which carried over into 2016.

Residential Duct System Testing and Repair

This program encouraged customers to repair air leaks identified in air-conditioning duct systems.

Business Building Envelope

This program encouraged customers to improve the thermal efficiency of their building structure.

Business Water Heating

This program encouraged customers to install high-efficiency water heating systems.

Business Refrigeration

This program encouraged customers to install high-efficiency refrigeration systems.

Residential Solar Water Heating Pilot

This pilot encouraged customers to install solar water heating systems.

Residential Photovoltaic (PV) Pilot

This pilot encouraged customers to install PV systems.

Renewable Research and Demonstration (RRD) Project

Under this project, FPL conducted a series of demonstrations and renewable technology research projects to increase customer awareness of solar technologies and to understand and quantify the effectiveness of emerging renewable technologies and their applications.

Florida Power & Light Company
Program Progress - 2016 Actual/Estimated and 2017 Projection

Pgm. No.	Program Title	2016 Actual/Estimated	2017 Projection	Progress Summary (Inception through June 2016)
1	Residential Energy Survey	Surveys = 127,559 Cost = \$12,660,602	Surveys = 100,000 Cost = \$12,534,355	Surveys = 3,715,713
2	Residential Ceiling Insulation	Installations = 3,747 Cost = \$781,354	Installations = 4,000 Cost = \$979,448	Installations = 569,575
3	Residential Air Conditioning	Installations = 27,347 Cost = \$6,294,886	Installations = 30,500 Cost = \$5,736,790	Installations = 1,886,616
4	Residential New Construction (BuildSmart®)	Homes = 1,990 Cost = \$508,824	Homes = 2,000 Cost = \$567,124	Homes = 40,022
5	Residential Low-Income	Installations = 1,277 Cost = \$495,408	Installations = 2,000 Cost = \$722,742	Installations = 9,518
6	Residential Load Management (On Call)	Installations = 7,668 Cost = \$49,690,449	Installations = 6,975 Cost = \$51,846,678	Installations = 796,636
7	Business Energy Evaluation	Evaluations = 11,826 Cost = \$8,418,237	Evaluations = 12,000 Cost = \$8,998,102	Evaluations = 221,506
8	Business Lighting	kW = 2,046 Cost = \$343,078	kW = 2,961 Cost = \$469,410	kW = 290,104
9	Business Heating, Ventilating and Air Conditioning	kW = 9,158 Cost = \$5,811,892	kW = 9,489 Cost = \$6,396,568	kW = 398,762
10	Business Custom Incentive	kW = 3,005 Cost = \$727,192	kW = 1,194 Cost = \$319,950	kW = 50,463
11	Business On Call	kW = 3,179 Cost = \$3,898,314	kW = 3,233 Cost = \$4,250,740	MW under contract = 103
12	Commercial/Industrial Load Control (CILC)	Closed to new participants Cost = \$41,179,246	Closed to new participants Cost = \$26,418,564	MW under contract = 461
13	Commercial/Industrial Demand Reduction	kW = 8,084 Cost = \$19,988,396	kW = 8,623 Cost = \$13,648,474	MW under contract = 251
14	Cogeneration & Small Power Production	MW = 334 GWh = 881 Cost = \$355,298	MW = 334 GWh = 1,066 Cost = \$368,217	MW & GWh represent contracted purchase power Firm Producers = 2 As Available Producers = 10
15	Conservation Research & Development	Cost = \$255,806	Cost = \$270,908	See Schedule C-5, Page 5 of 5
16	Common Expenses	Cost = \$9,614,937	Cost = \$8,885,567	Not Applicable
17	Business Photovoltaic for Schools ⁽¹⁾⁽²⁾	Cost = \$2,458,400	Cost = \$2,216,568	Not Applicable
18	Solar Pilot Project Common Expenses ⁽²⁾	Cost = \$375,196	Cost = \$103,310	Not Applicable
19	Discontinued Programs ⁽³⁾	kW = 280 Cost = \$262,646	Not Applicable	Not Applicable

(1) 2016 costs include residual expenses.

(2) Recovery of Depreciation and Return

(3) Residuals from programs discontinued in 2015

kW and MW reduction are at the generator

Conservation Research & Development (CRD) Program

Deep Retrofits of Existing Homes (Building America Project – Phase II)

This was a continuation of the multi-year Building America project FPL co-funded with the U.S. Department of Energy in order to quantify and contrast the demand reductions, energy savings, and paybacks associated with “light” (e.g., efficient lighting, water heater tank insulation and shortened pool pump operating schedules) and “deep” (e.g., seasonal energy efficiency ratio 16 high efficiency HVAC units, heat pump water heaters, Energy Star® appliances, learning thermostats, etc.) energy efficiency retrofit measures for existing homes in Florida's climate. The final report was delivered in April, 2016 and will be used to assist customers in ranking the priority order of energy efficiency upgrades for their homes.

Load Management Software and Hardware Evaluations

This project is evaluating the potential benefits of implementing software and/or hardware upgrades for FPL's Residential Load Management program. FPL will test the new software's functionality, performance, compatibility with current load management systems, etc. The testing involves installing the new software as well as enabling communication equipment at sample substations. FPL is also testing new transponders in a lab environment. FPL has completed Phase 1 which tested the functionality using its existing software. Phase 2 will test the transponders with the new software to identify any incremental benefits from the combination of the new transponders and new software.

Precision Temperature Monitoring Testing

This project will evaluate performance of precision temperature monitors (PTM) in homes along with data analysis services. The PTM will measure changes in home temperature to determine building performance and other issues that affect a home's energy consumption. The analysis will include performance indicators for the building envelope, assessment of thermostat behavior and air conditioning sizing and apparent operational performance. The PTM will provide energy data via a mobile device and a report for use by FPL field representatives during a Residential Home Energy Survey.

Electric Power Research Institute 2016 Research Project

This Electric Power Research Institute (EPRI) research project will produce an “EE Technology Readiness Guide” to provide participating utilities with a readiness assessment of technologies in various stages of development and enable comparisons among these technologies. The technologies to be included are currently being assessed by multiple EPRI programs such as; the Technology Innovation program, the collaborative End-Use Energy Efficiency and Demand Response research program, etc. Participation allows FPL to cost-efficiently gain this information by leveraging the co-funding with other utilities.

**Florida Power & Light Company
Docket No. 160002-EG
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Current Cost Allocation Methodology
Exhibit AS-3, Page 1 of 1**

Schedule

C-1, Pages 1 through 3

Sponsored By

Terry J. Keith

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 8
PARTY: FLORIDA POWER & LIGHT
COMPANY – DIRECT*Notice of Adoption of
Terry J. Keith's testimony and exhibits by

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION
CURRENT COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Total Costs
1. Projected Costs (Schedule C-2, pg 2, line 19)	144,733,515
2. True-up Over/(Under) Recoveries (Schedule C-3, pg 10, line 11)	18,213,554
3. Subtotal (line (1) minus (line 2))	126,519,960
4. Less Load Management Incentives Not Subject To Revenue Taxes ^(a)	80,348,040
5. Project Costs Subject To Revenue Taxes (line 3 minus line 4)	46,171,920
6. Revenue Tax Multiplier	1.00072
7. Subtotal (line 5 * line 6)	46,205,164
8. Total Recoverable Costs (line 7+ line 4)	126,553,204
9. Total Cost	126,553,204
10. Energy Related Costs	36,966,189
11. Demand-Related Costs (total)	89,587,014
12. Demand costs allocated on 12 CP (Line 11/13 * 12)	82,695,704
13. Demand Costs allocated on 1/13 th (Line 11/13)	6,891,310

^(a) (Schedule C-2, pg 2, Rebates Column, Program Nos. 6, 11, 12, 13)

Costs are split in proportion to the current period split of demand-related (70.79%) and energy-related (29.21%) costs. The allocation of ECCR costs between demand and energy is shown on schedule C-2, Page 1, and is consistent with the methodology set forth in Order No. PSC-93-1845-FOF-EG.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CALCULATION OF ENERGY DEMAND ALLOCATION % BY RATE CLASS
CURRENT COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
RATE CLASS	AVG 12CP Load Factor at Meter (%) ^(a)	Projected Sales at Meter (kwh) ^(b)	Projected AVG 12CP at Meter (kW) ^(c)	Demand Loss Expansion Factor ^(d)	Energy Loss Expansion Factor ^(e)	Projected Sales at Generation (kwh) ^(f)	Projected AVG 12CP at Generation (kW) ^(g)	Percentage of Sales at Generation (%) ^(h)	Percentage of Demand at Generation (%) ⁽ⁱ⁾
RS1/RTR1	59.146%	57,063,506,058	11,013,646	1.06430156	1.04862829	59,838,406,779	11,721,841	53.21566%	58.92337%
GS1/GST1	65.027%	5,971,311,587	1,048,260	1.06430156	1.04862829	6,261,686,259	1,115,665	5.56866%	5.60823%
GSD1/GSDT1/HLFT1	72.765%	25,836,330,536	4,053,251	1.06421646	1.04856471	27,091,064,436	4,313,536	24.09270%	21.68329%
OS2	92.223%	10,793,313	1,336	1.05687787	1.02669200	11,081,408	1,412	0.00985%	0.00710%
GSLD1/GSLDT1/CS1/CST1/HLFT2	73.257%	10,511,832,443	1,638,034	1.06313919	1.04778551	11,014,145,717	1,741,458	9.79513%	8.75396%
GSLD2/GSLDT2/CS2/CST2/HLFT3	87.653%	2,516,449,511	327,730	1.05469612	1.04113164	2,619,955,206	345,656	2.32999%	1.73754%
GSLD3/GSLDT3/CS3/CST3	86.088%	172,996,790	22,940	1.02180107	1.01700518	175,938,632	23,440	0.15647%	0.11783%
SST1T	107.395%	89,667,754	9,531	1.02180107	1.01700518	91,192,570	9,739	0.08110%	0.04895%
SST1D1/SST1D2/SST1D3	78.275%	11,856,926	1,729	1.03476555	1.02669200	12,173,411	1,789	0.01083%	0.00899%
CILC D/CILC G	87.305%	2,789,895,442	364,790	1.05313565	1.04053446	2,902,982,347	384,173	2.58169%	1.93116%
CILC T	91.242%	1,508,389,554	188,718	1.02180107	1.01700518	1,534,039,990	192,832	1.36426%	0.96933%
MET	71.670%	91,208,296	14,528	1.03476555	1.02669200	93,642,828	15,033	0.08328%	0.07557%
OL1/SL1/SLM1/PL1	586.798%	658,751,104	12,815	1.06430156	1.04862829	690,785,044	13,639	0.61433%	0.06856%
SL2/SLM2/GSCU1	95.157%	103,004,444	12,357	1.06430156	1.04862829	108,013,374	13,152	0.09606%	0.06611%
Total		107,335,993,758	18,709,665			112,445,108,001	19,893,365	100.00000%	100.00000%

^(a) AVG 12 CP load factor based on 2012-2014 load research data and 2017 projection.

^(b) Projected kwh sales for the period January 2017 through December 2017

^(c) Calculated: Col (3)/(8760 hours * Col (2)) , 8760 hours = annual hours

^(d) Based on projected 2017 demand losses.

^(e) Based on projected 2017 energy losses.

^(f) Col (3) * Col (6)

^(g) Col (4) * Col (5)

^(h) Col (7) / total for Col (7)

⁽ⁱ⁾ Col (8) / total for Col (8)

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CALCULATION OF ENERGY CONSERVATION FACTORS
CURRENT COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RATE CLASS	Percentage of Sales at Generation (%) ^(a)	Percentage of Demand at Generation (%) ^(b)	Demand Allocation 12CP (\$) ^(c)	Demand Allocation 1/13th (\$) ^(d)	Energy Allocation (\$) ^(e)	Total Recoverable Costs (\$) ^(f)	Projected Sales at Meter (kwh) ^(f)	Billing KW Load Factor (%) ^(g)	Projected Billed KW at Meter (kw) ^(h)	Conservation Recovery Factor (\$/kw) ⁽ⁱ⁾	Conservation Recovery Factor (\$/kwh) ⁽ⁱ⁾	RDC (\$/KW) ^(k)	SDD (\$/KW) ^(l)
RS1/RTR1	53.21566%	58.92337%	\$48,727,094	\$3,667,256	\$19,671,802	\$72,066,152	57,063,506,058	-	-	-	0.00126	-	-
GS1/GST1	5.56866%	5.60823%	\$4,637,762	\$383,754	\$2,058,522	\$7,080,037	5,971,311,587	-	-	-	0.00119	-	-
GSD1/GSDT1/HLFT1	24.09270%	21.68329%	\$17,931,151	\$1,660,303	\$8,906,154	\$28,497,608	25,836,330,536	50.15375%	70,567,469	0.40	-	-	-
OS2	0.00985%	0.00710%	\$5,870	\$679	\$3,643	\$10,192	10,793,313	-	-	-	0.00094	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	9.79513%	8.75396%	\$7,239,153	\$675,013	\$3,620,887	\$11,535,052	10,511,832,443	56.71170%	25,391,181	0.45	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	2.32999%	1.73754%	\$1,436,873	\$160,567	\$861,307	\$2,458,746	2,516,449,511	65.79207%	5,239,524	0.47	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.15647%	0.11783%	\$97,439	\$10,783	\$57,840	\$166,062	172,996,790	68.69783%	344,963	0.48	-	-	-
SST1T	0.08110%	0.04895%	\$40,484	\$5,589	\$29,979	\$76,052	89,667,754	11.31969%	1,085,123	-	-	\$0.05	\$0.03
SST1D1/SST1D2/SST1D3	0.01083%	0.00899%	\$7,437	\$746	\$4,002	\$12,185	11,856,926	29.68376%	54,718	-	-	\$0.05	\$0.03
CILC D/CILC G	2.58169%	1.93116%	\$1,596,989	\$177,912	\$954,352	\$2,729,253	2,789,895,442	74.14313%	5,154,590	0.53	-	-	-
CILC T	1.36426%	0.96933%	\$801,594	\$94,015	\$504,314	\$1,399,923	1,508,389,554	76.33683%	2,706,802	0.52	-	-	-
MET	0.08328%	0.07557%	\$62,492	\$5,739	\$30,785	\$99,016	91,208,296	64.64301%	193,281	0.51	-	-	-
OL1/SL1/SL1M/PL1	0.61433%	0.06856%	\$56,697	\$42,335	\$227,095	\$326,127	658,751,104	-	-	-	0.00050	-	-
SL2/SL2M/GSCU1	0.09606%	0.06611%	\$54,670	\$6,620	\$35,509	\$96,799	103,004,444	-	-	-	0.00094	-	-
Total			\$82,695,704	\$6,891,310	\$36,966,189	\$126,553,204	107,335,993,758		110,737,651				

^(a) Obtained from Schedule C-1, page 2, Col (9)

^(b) Obtained from Schedule C-1, page 2, Col (10)

^(c) Total from C-1, page 1, line 12 X Col (3)

^(d) Total from C-1, page 1, line 13 X Col (2)

^(e) Total from C-1, page 1, line 10 X Col (2)

^(f) Projected kwh sales for the period January 2017 through December 2017, From C-1 Page 2, Total of Column 3

^(g) Based on 2012-2014 load research data and 2017 projections

^(h) Col (8) / (Col(9)*730)

⁽ⁱ⁾ Col (7) / Col (10)

^(j) Col (7) / Col (8)

^(k) (C-1 pg 3, total col 7)/(C-1, pg 2, total col 8).(10) (C-1, pg 2, col 6) / 12

^(l) (C-1 pg 3, total col 7/C-1, pg 2, total col 8/(21 onpk days) (C-1, pg 2, col 6))/ 12

Note: There are currently no customers taking service on Schedules ISST1(D) and ISST1(T). Should any customer begin taking service on these schedules during the period, they will be billed using the applicable SST1 factor.

Note: Totals may not add due to rounding.

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

SCHEDULE CT-1

CONSERVATION ADJUSTMENT TRUE-UP

PAGE 1 OF 1

FOR MONTHS January-15 THROUGH December-15

1.	ADJUSTED END OF PERIOD TOTAL NET TRUE-UP		
2.	FOR MONTHS January-15 THROUGH December-15		
3.	END OF PERIOD NET TRUE-UP		
4.	PRINCIPAL	<u>117,192</u>	
5.	INTEREST	<u>117</u>	<u>117,309</u>
6.	LESS PROJECTED TRUE-UP		
7.	October-14 (DATE) HEARINGS		
8.	PRINCIPAL	<u>203,120</u>	
9.	INTEREST	<u>117</u>	<u>203,237</u>
10.	ADJUSTED END OF PERIOD TOTAL TRUE-UP		<u><u>(85,928)</u></u>

EXHIBIT NO. _____
DOCKET NO. 160002-EG
FLORIDA PUBLIC UTILITIES COMPANY
(CDY-1)
PAGE 1 OF 23

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 9
PARTY: FLORIDA PUBLIC UTILITIES
COMPANY – DIRECT
DESCRIPTION: Curtis D. Young CDY-1

ANALYSIS OF ENERGY CONSERVATION PROGRAM COSTS
ACTUAL VS PROJECTED

	FOR MONTHS	January-15	THROUGH	December-15	
		<u>ACTUAL</u>		<u>PROJECTED*</u>	<u>DIFFERENCE</u>
1.	LABOR/PAYROLL	346,743		330,786	15,957
2.	ADVERTISING	41,609		126,244	(84,635)
3.	LEGAL	22,967		17,167	5,800
4.	OUTSIDE SERVICES/CONTRACT	112,511		138,476	(25,965)
5.	VEHICLE COST	21,030		22,719	(1,689)
6.	MATERIAL & SUPPLIES	7,262		8,578	(1,316)
7.	TRAVEL	40,837		42,260	(1,423)
8.	GENERAL & ADMIN	0		0	0
9.	INCENTIVES	86,070		100,485	(14,415)
10.	OTHER	39,586		29,371	10,215
11.	SUB-TOTAL	718,616		816,086	(97,470)
12.	PROGRAM REVENUES				
13.	TOTAL PROGRAM COSTS	718,616		816,086	(97,470)
14.	LESS: PRIOR PERIOD TRUE-UP	80,307		80,307	0
15.	AMOUNTS INCLUDED IN RATE BASE				
16.	CONSERVATION ADJ REVENUE	(681,730)		(693,273)	11,543
17.					
18.	TRUE-UP BEFORE INTEREST	117,192		203,120	(85,928)
19.	ADD INTEREST PROVISION	117		117	0
20.	END OF PERIOD TRUE-UP	117,309		203,237	(85,928)

() REFLECTS OVERRECOVERY

* 6 MONTHS ACTUAL AND 6 MONTHS PROJECTED

ACTUAL CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-15 THROUGH December-15

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. Common	256,186	10,846	22,967	99,167	11,883	5,906	31,059	0	0	23,761	461,774		461,774
2. Residential Energy Survey	66,430	14,675	0	0	6,447	1,132	7,289	0	0	15,273	111,245		111,245
3. Loan Program (discontinued but remains open)											0		0
4. Commercial Energy Survey	11,259	5,585	0	0	1,260	104	1,098	0	0	248	19,554		19,554
5. Low Income Education											0		0
6. Commercial Heating & Cooling Upgrade	0	466	0	0	0	0	0	0	277	0	743		743
7. Residential Heating & Cooling Upgrade	2,982	10,016	0	0	245	47	404	0	45,643	60	59,397		59,397
8. Commercial Indoor Efficient Lighting Rebate	5,795	7	0	0	583	61	698	0	0	145	7,288		7,288
9. Commercial Window Film Installation Program	0	7	0	0	0	0	0	0	137	0	144		144
10. Commercial Chiller Upgrade Program	283	7	0	0	34	4	49	0	0	7	384		384
11. Solar Water Heating Program	0	0	0	0	0	0	0	0	0	0	0		0
12. Solar Photovoltaic Program	0	0	0	0	0	0	0	0	40,013	0	40,013		40,013
13. Electric Conservation Demonstration and Development	716	0	0	13,344	63	1	55	0	0	11	14,191		14,191
14. Commercial Reflective Roof	1,621	0	0	0	265	4	99	0	0	42	2,030		2,030
15. Commercial Energy Consultant	1,470	0	0	0	252	4	87	0	0	39	1,852		1,852
16.											0		0
17.											0		0
18.											0		0
19.											0		0
20.											0		0
21.											0		0
22.											0		0
TOTAL ALL PROGRAMS	346,743	41,609	22,967	112,511	21,030	7,262	40,837	0	86,070	39,586	718,616	0	718,616

CONSERVATION COSTS PER PROGRAM--VARIANCE ACTUAL VS PROJECTED
VARIANCE ACTUAL VS PROJECTED

FOR MONTHS January-15 THROUGH December-15

PROGRAM NAME	LABOR & ADVERTISING		LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & INCENTIVES			SUB TOTAL	PROGRAM REVENUES	TOTAL
	PAYROLL							ADMIN.	INCENTIVES	OTHER			
1. Common	5,957	1,556	5,800	10,035	(2,835)	(996)	(887)	0	(250)	9,421	27,800		27,800
2. Residential Energy Survey	7,488	(29,999)	0	0	549	(288)	(364)	0	0	991	(21,624)		(21,624)
3. Loan Program (discontinued but remains open)											0		0
4. Commercial Energy Survey	2,709	(8,250)	0	0	335	(73)	178	0	0	(106)	(5,207)		(5,207)
5. Low Income Education	0	0	0	0	0	0	0	0	0	0	0		0
6. Commercial Heating & Cooling Upgrade	(1,000)	(541)	0	0	(50)	0	(48)	0	(2,323)	0	(3,962)		(3,962)
7. Residential Heating & Cooling Upgrade	(470)	(45,401)	0	0	(75)	25	(247)	0	12,123	(214)	(34,259)		(34,259)
8. Commercial Indoor Efficient Lighting Rebate	465	(500)	0	0	135	8	25	0	(1,000)	31	(837)		(837)
9. Commercial Window Film Installation Program	(500)	(500)	0	0	(48)	0	(50)	0	(465)	0	(1,563)		(1,563)
10. Commercial Chiller Upgrade Program	(500)	(500)	0	0	(48)	(0)	(50)	0	(500)	(0)	(1,598)		(1,598)
11. Solar Water Heating Program	(250)	(250)	0	0	(50)	0	(50)	0	(500)	0	(1,100)		(1,100)
12. Solar Photovoltaic Program	(500)	(250)	0	0	(50)	0	(50)	0	(21,500)	0	(22,350)		(22,350)
13. Electric Conservation Demonstration and Development	(534)	0	0	(36,000)	(67)	1	(65)	0	0	11	(36,653)		(36,653)
14. Commercial Reflective Roof	1,621	0	0	0	265	4	99	0	0	42	2,030		2,030
15. Commercial Energy Consultant	1,470	0	0	0	252	4	87	0	0	39	1,852		1,852
16.											0		0
17.											0		0
18.											0		0
19.											0		0
20.											0		0
21.											0		0
22.											0		0
TOTAL ALL PROGRAMS	15,957	(84,635)	5,800	(25,965)	(1,689)	(1,316)	(1,423)	0	(14,415)	10,215	(97,470)	0	(97,470)

ENERGY CONSERVATION ADJUSTMENT CALCULATION OF TRUE-UP AND INTEREST PROVISION
SUMMARY OF EXPENSES BY PROGRAM BY MONTH

FOR MONTHS January-15 THROUGH December-15

A. CONSERVATION EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. Common	28,634	27,554	29,838	80,401	89,671	(22,876)	37,236	41,065	49,970	30,191	32,581	37,511	461,774
2. Residential Energy Survey	9,073	10,867	13,266	13,542	4,445	5,927	7,362	13,548	10,623	8,216	8,277	6,100	111,245
3. Loan Program (discontinued but remains open)													0
4. Commercial Energy Survey	1,434	1,084	2,830	1,123	599	1,341	1,051	809	416	3,770	3,409	1,688	19,554
5. Low Income Education													0
6. Commercial Heating & Cooling Upgrade	(1)	8	-	100	-	-	-	-	219	-	240	177	743
7. Residential Heating & Cooling Upgrade	3,090	3,062	46,678	(37,735)	3,555	6,507	3,710	3,355	14,485	5,807	775	6,110	59,397
8. Commercial Indoor Efficient Lighting Rebate	721	8	-	764	3,402	1,130	420	-	-	-	-	844	7,288
9. Commercial Window Film Installation Program	(1)	8	-	102	-	-	35	-	-	-	-	-	144
10. Commercial Chiller Upgrade Program	(1)	8	-	-	-	377	-	-	-	-	-	-	384
11. Solar Water Heating Program	-	-	-	-	-	-	-	-	-	-	-	-	0
12. Solar Photovoltaic Program	-	-	600	39,413	-	-	-	-	-	-	-	-	40,013
13. Electric Conservation Demonstration and Development	-	-	8,896	4,448	-	-	-	-	-	-	847	-	14,191
14. Commercial Reflective Roof	-	-	-	-	-	-	-	-	-	-	1,024	1,006	2,030
15. Commercial Energy Consultant	-	-	-	-	-	-	-	-	-	-	847	1,006	1,852
16.													0
17.													0
18.													0
19.													0
20.													0
21.													0
22.													0
21. TOTAL ALL PROGRAMS	42,950	42,599	102,108	102,157	101,671	(7,596)	49,813	58,777	75,712	47,984	47,999	54,442	718,616
22. LESS AMOUNT INCLUDED IN RATE BASE													
23. RECOVERABLE CONSERVATION EXPENSES	42,950	42,599	102,108	102,157	101,671	(7,596)	49,813	58,777	75,712	47,984	47,999	54,442	718,616

CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS January-15 THROUGH December-15

B. CONSERVATION REVENUES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. RESIDENTIAL CONSERVATION	(57,378)	(58,806)	(53,504)	(46,987)	(48,322)	(59,199)	(72,092)	(72,399)	(65,454)	(50,212)	(47,841)	(49,536)	(681,730)
2. CONSERVATION ADJ. REVENUES													0
3. TOTAL REVENUES	(57,378)	(58,806)	(53,504)	(46,987)	(48,322)	(59,199)	(72,092)	(72,399)	(65,454)	(50,212)	(47,841)	(49,536)	(681,730)
4. PRIOR PERIOD TRUE-UP ADJ. NOT APPLICABLE TO THIS PERIOD	6,692	6,692	6,692	6,692	6,692	6,692	6,692	6,692	6,692	6,692	6,692	6,695	80,307
5. CONSERVATION REVENUE APPLICABLE	(50,686)	(52,114)	(46,812)	(40,295)	(41,630)	(52,507)	(65,400)	(65,707)	(58,762)	(43,520)	(41,149)	(42,841)	(601,423)
6. CONSERVATION EXPENSES (FROM CT-3, PAGE 1, LINE 23)	42,950	42,599	102,108	102,157	101,671	(7,596)	49,813	58,777	75,712	47,984	47,999	54,442	718,616
7. TRUE-UP THIS PERIOD (LINE 5 - 6)	(7,736)	(9,515)	55,297	61,862	60,041	(60,103)	(15,587)	(6,931)	16,950	4,464	6,850	11,601	117,192
8. INTEREST PROVISION THIS PERIOD (FROM CT-3, PAGE 3, LINE 10)	5	4	4	7	13	13	9	8	10	10	11	23	117
9. TRUE-UP AND INTEREST PROVISION BEGINNING OF MONTH	80,307	65,884	49,681	98,290	153,467	206,829	140,047	117,776	104,162	114,429	112,211	112,380	80,307
9A. DEFERRED TRUE-UP BEGINNING OF PERIOD													
10. PRIOR TRUE-UP COLLECTED (REFUNDED)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,692)	(6,695)	(80,307)
11. TOTAL NET TRUE-UP (LINES 7+8+9+9A+10)	65,884	49,681	98,290	153,467	206,829	140,047	117,776	104,162	114,429	112,211	112,380	117,309	117,309

CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS January-15 THROUGH December-15

C.	INTEREST PROVISION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1.	BEGINNING TRUE-UP (LINE B-9)	80,307	65,884	49,681	98,290	153,467	206,829	140,047	117,776	104,162	114,429	112,211	112,380	80,307
2.	ENDING TRUE-UP BEFORE INTEREST (LINES B7+B9+B9A+B10)	65,879	49,677	98,286	153,460	206,816	140,034	117,767	104,154	114,419	112,201	112,369	117,286	117,192
3.	TOTAL BEG. AND ENDING TRUE-UP	146,186	115,561	147,966	251,750	360,283	346,862	257,814	221,930	218,581	226,631	224,580	229,666	197,499
4.	AVERAGE TRUE-UP (LINE C-3 X 50%)	73,093	57,780	73,983	125,875	180,141	173,431	128,907	110,965	109,291	113,315	112,290	114,833	98,750
5.	INTEREST RATE - FIRST DAY OF REPORTING BUSINESS MONTH	0.08%	0.09%	0.08%	0.06%	0.08%	0.09%	0.09%	0.08%	0.10%	0.12%	0.09%	0.15%	
6.	INTEREST RATE - FIRST DAY OF SUBSEQUENT BUSINESS MONTH	0.09%	0.08%	0.06%	0.08%	0.09%	0.09%	0.08%	0.10%	0.12%	0.09%	0.15%	0.34%	
7.	TOTAL (LINE C-5 + C-6)	0.17%	0.17%	0.14%	0.14%	0.17%	0.18%	0.17%	0.18%	0.22%	0.21%	0.24%	0.49%	
8.	AVG. INTEREST RATE (C-7 X 50%)	0.09%	0.09%	0.07%	0.07%	0.09%	0.09%	0.09%	0.09%	0.11%	0.11%	0.12%	0.25%	
9.	MONTHLY AVERAGE INTEREST RATE	0.007%	0.007%	0.006%	0.006%	0.007%	0.008%	0.007%	0.008%	0.009%	0.009%	0.010%	0.020%	
10.	INTEREST PROVISION (LINE C-4 X C-9)	5	4	4	7	13	13	9	8	10	10	11	23	117

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

SCHEDULE CT-4
PAGE 1 OF 1

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

FOR MONTHS January-14 THROUGH December-14

PROGRAM NAME:	BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. INVESTMENT														
2. DEPRECIATION BASE														
3. DEPRECIATION EXPENSE														
4. CUMULATIVE INVESTMENT														
5. LESS: ACCUMULATED DEPRECIATION														
6. NET INVESTMENT														
7. AVERAGE INVESTMENT														
8. RETURN ON AVERAGE INVESTMENT														
9. RETURN REQUIREMENTS														
10. TOTAL DEPRECIATION AND RETURN														NONE

EXHIBIT NO. _____
DOCKET NO. 160002-EG
FLORIDA PUBLIC UTILITIES COMPANY
(CDY-1)
PAGE 8 OF 23

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

SCHEDULE CT-5
PAGE 1 OF 1

RECONCILIATION AND EXPLANATION OF
DIFFERENCES BETWEEN FILING AND PSC AUDIT

FOR MONTHS January-14 THROUGH December-14

AUDIT EXCEPTION: TO OUR KNOWLEDGE, NONE EXIST

COMPANY RESPONSE:

EXHIBIT NO. _____
DOCKET NO. 160002-EG
FLORIDA PUBLIC UTILITIES COMPANY
(CDY-1)
PAGE 9 OF 23

1. Residential Energy Survey Program
2. Commercial Energy Survey Program
3. Educational/Low Income Program
4. Commercial Heating & Cooling Upgrade Program
5. Residential Heating & Cooling Upgrade Program
6. Commercial Indoor Efficient Lighting Rebate Program
7. Commercial Window Film Installation Program
8. Commercial Chiller Upgrade Program
9. Solar Water Heating Program
10. Solar Photovoltaic Program
11. Conservation Demonstration and Development Program
12. Commercial Reflective Roof Program
13. Commercial Energy Consultation Program

PROGRAM TITLE: Residential Energy Survey Program

PROGRAM DESCRIPTION: The Residential Energy Survey Program is provided at no cost to the customer and provides participating customers with information they need to determine which energy saving measures are best suited to their individual needs and requirements. The objective of this type of survey is to provide Florida Public Utilities Company's residential customers with energy conservation advice that encourages the implementation of efficiency measures resulting in energy savings for the customer. These measures, once implemented, also lower Florida Public Utilities Company's energy requirements and improve operating efficiencies. Florida Public Utilities Company views this program as a way of promoting the installation of cost-effective conservation measures. During the survey process, the customer is provided with specific whole-house recommendations.

PROGRAM ACCOMPLISHMENTS: This year a total of 354 residential energy surveys were performed.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$111,245**.

PROGRAM PROGRESS SUMMARY: We feel confident that through our efforts to promote this program through print, radio, television, events and social media we will continue to provide valuable advice to our customers on the topics of energy conservation and energy efficiency measures and practices.

PROGRAM TITLE: Commercial Energy Survey Program

PROGRAM DESCRIPTION: The Commercial Energy Survey Program provides participating customers with a free energy audit that provides customized information to meet the individual needs of small and large customers; therefore, it is an evolving program. The survey process consists of an on-site review of the customer's facility operation, equipment, and energy usage pattern by a Florida Public Utilities Company Energy Conservation Representative. The Energy Conservation Representative identifies areas of potential reduction in kW demand and kWh consumption as well as identifying end-use technology opportunities. A technical evaluation is then performed to determine the economic payback or life cycle cost for various improvements to the facility. Florida Public Utilities Company will subcontract the evaluation process to an independent engineering firm and/or contracting consultant, if necessary.

PROGRAM ACCOMPLISHMENTS: This year a total of 38 audits were completed during the reporting period.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$19,554**.

PROGRAM PROGRESS SUMMARY: This program was not included in the Company's 2015 Demand Side Management Plan and was discontinued in September of 2015.

PROGRAM TITLE: Educational/Low Income Program

PROGRAM DESCRIPTION: Florida Public Utilities Company presently has energy education programs that identify low-cost and no-cost energy conservation measures. To better assist low-income customers in managing their energy purchases, the presentations and formats of these energy education programs are tailored to the audience. These programs provide basic energy education, as well as inform the customers of other specific services, such as the free energy surveys that Florida Public Utilities Company currently offers.

PROGRAM ACCOMPLISHMENTS: Even though there are no goals for this program we continue to work through various agencies to provide home energy surveys to low income customers as well as evaluating homes for local agencies for possible energy efficiency improvements.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$0**.

PROGRAM PROGRESS SUMMARY: Though there were no special events or presentations directly related to Low Income customers in 2015, we will continue to promote the opportunity to educate low-income customers on the benefits of an energy efficient home.

PROGRAM TITLE: Commercial Heating & Cooling Efficiency Upgrade Program

PROGRAM DESCRIPTION: The Commercial Heating & Cooling Efficiency Upgrade Program is directed at reducing the rate of growth in peak demand as well as reducing energy consumption throughout Florida Public Utilities Company's commercial sector. The program will do this by increasing the saturation of high-efficiency heat pumps and central air conditioning systems.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 2 customers participated in the Commercial Heating & Cooling Efficiency Upgrade Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$743**.

PROGRAM PROGRESS SUMMARY: Even though there was low participation in this program, we will continue our efforts to promote this program to our commercial customers.

PROGRAM TITLE: Residential Heating & Cooling Efficiency Upgrade Program

PROGRAM DESCRIPTION: Residential Heating & Cooling Efficiency Upgrade Program is directed at reducing the rate of growth in peak demand and energy throughout Florida Public Utilities Company's electricity service territories. The program will do this by increasing the saturation of high-efficiency heat pumps and central air-conditioning systems.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 373 customers participated in the residential heating and cooling efficiency upgrade program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$59,397**.

PROGRAM PROGRESS SUMMARY: This program has continued to be successful over the years and we are optimistic that our residential customers will continue to find value in this program.

PROGRAM TITLE: Commercial Indoor Efficient Lighting Rebate Program

PROGRAM DESCRIPTION: The Commercial Indoor Efficient Lighting Rebate Program is directed at reducing peak demand and energy consumption by decreasing the load presented by commercial lighting equipment. To serve this purpose, this program requires that commercial customers achieve at least 1,000 watts of lighting reduction by either replacing ballasts and lamps, qualifying for a \$.010 per watt reduced incentive or by replacing lamps only for an incentive of \$.025 per watt reduced (maximum \$100 rebate).

PROGRAM ACCOMPLISHMENTS: For the reporting period, 10 customers participated in the Commercial Indoor Efficient Lighting Rebate Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$7,288**.

PROGRAM PROGRESS SUMMARY: This program was not included in the Company's 2015 Demand Side Management Plan and was discontinued in September of 2015.

PROGRAM TITLE: Commercial Window Film Installation Program

PROGRAM DESCRIPTION: The Commercial Window Film Installation Program is directed at reducing peak demand and energy by decreasing the load on commercial air conditioning equipment. To serve this purpose, Florida Public Utilities Company will provide rebates of \$0.50 per square foot of covered area (at a maximum of \$100 per customer) for solar window film installations with a shading coefficient of 0.45 or less. An on-site inspection should be scheduled with FPUC prior to installation.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 1 customer participated in the Commercial Window Film Installation Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$144**.

PROGRAM PROGRESS SUMMARY: This program was not included in the Company's 2015 Demand Side Management Plan and was discontinued in September of 2015.

PROGRAM TITLE: Commercial Chiller Upgrade Program

PROGRAM DESCRIPTION: The Commercial Chiller Upgrade Program is directed at reducing the rate of growth in peak demand and energy throughout Florida Public Utilities Company's commercial sector. To serve this purpose, this program requires that commercial customers replace existing chillers with a more efficient system. By doing so, they will qualify for an incentive of up to \$100 per kW of additional savings above the minimum efficiency levels.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 0 customers participated in the Commercial Chiller Upgrade Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$384**.

PROGRAM PROGRESS SUMMARY: Though we did not meet our goal for this year, we continue to work with commercial customers to promote this program and are optimistic that our customers will continue to find value in this program.

PROGRAM TITLE: Solar Water Heating Program

PROGRAM DESCRIPTION: The Solar Water Heating Program is directed at reducing the consumption of electric energy and fossil fuels in Florida Public Utilities Company's service territory. Florida Public Utilities Company will provide a rebate of \$200 for eligible solar water heating installations. All of Florida Public Utilities Company's customers are eligible to participate in this program but each customer can only receive one incentive payment of \$200, regardless of the amount of installations.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 0 customers participated in the Solar Water Heating Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$0**.

PROGRAM PROGRESS SUMMARY: Although our goal of 12 installations for this program was not met, we used over 84% of the dollars allotted for renewable energy programs in 2015. Additionally, this program ended on December 31st, 2015.

PROGRAM TITLE: Solar Photovoltaic Program

PROGRAM DESCRIPTION: The primary purpose of the Solar Water Heating Program is to encourage the installation of solar photovoltaic systems and reduce the consumption of fossil fuels used to generate electricity. Florida Public Utilities Company will provide an incentive of \$2.00 per watt of dc solar PV installed, up to a maximum of \$5000. Excess generation from the solar PV installation will be purchased by Florida Public Utilities Company under the terms of the Northwest Florida Division Rate Schedule REN-1 or the Northeast Florida Division Rate Schedule REN-1.

PROGRAM ACCOMPLISHMENTS: For the reporting period, 8 customers participated in the Solar Photovoltaic Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$40,013**.

PROGRAM PROGRESS SUMMARY: This program was very successful in 2015, however, this program ended on December 31st, 2015.

PROGRAM TITLE: Conservation Demonstration and Development Program

PROGRAM DESCRIPTION: The primary purpose of the Conservation Demonstration and Development (CDD) program is to pursue research, development, and demonstration projects that are designed to promote energy efficiency and conservation. This program will supplement and complement the other demand-side management programs offered by Florida Public Utilities Company. The CDD program is meant to be an umbrella program for the identification, development, demonstration, and evaluation of promising new end-use technologies. The CDD program does not focus on any specific end-use technology but, instead, will address a wide variety of energy applications.

PROGRAM ACCOMPLISHMENTS: In 2015, this program was used to identify and develop 2 programs for the Company's new Demand Side Management Plan.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$14,191**.

PROGRAM PROGRESS SUMMARY: Even though there is no particular goal for this program we continue to explore new technologies for applicability to this program.

PROGRAM TITLE: Commercial Reflective Roof Program

PROGRAM DESCRIPTION: The Commercial Reflective Roof Program is directed at reducing demand and energy throughout FPUC's commercial sector through the installation of cool roofs. The program allows non-residential customers installing cool roofs to obtain rebates of \$0.075 per sq.ft. for new roofs on new or existing facilities and \$0.325 per sq.ft. for roofs converting to a cool roof. To be eligible for the rebates, the roofing material must be Energy Star certified. The program is focused on getting contractors in FPUC's service territory to promote the cool roofs.

PROGRAM ACCOMPLISHMENTS: This program became effective in September 2015, upon the approval of FPUC's 2015 Demand Side Management Plan. For the reporting period, there were 0 participants in this program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$2,030**.

PROGRAM PROGRESS SUMMARY: Even though there was no goal for this program in 2015, we have begun to promote this program and expect to meet the program goal for 2016.

PROGRAM TITLE: Commercial Energy Consultation Program

PROGRAM DESCRIPTION: The FPUC Commercial Energy Consultation Program is designed to directly communicate the availability of the commercial Demand Side Management (DSM) programs to commercial customers. This program allows FPUC energy conservation representatives to conduct commercial site visits to educate customers about FPUC's commercial DSM programs, assess the potential for applicable DSM programs, conduct an electric bill review, offer commercial energy savings suggestions and inform the customer about FPUC's commercial online energy efficient resources and tools.

PROGRAM ACCOMPLISHMENTS: This program became effective in September 2015, upon the approval of FPUC's 2015 Demand Side Management Plan. For the reporting period, there were 16 participants in this program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2015 through December 31, 2015 were **\$1,852**

PROGRAM PROGRESS SUMMARY: Even though there is no particular goal for this program, we believe that this will continue to be a valuable program for our commercial customers.

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION

SCHEDULE C-1
PAGE 1 OF 1

ENERGY CONSERVATION ADJUSTMENT
SUMMARY OF COST RECOVERY CLAUSE CALCULATION

FOR MONTHS January-17 THROUGH December-17

1.	TOTAL INCREMENTAL COSTS (SCHEDULE C-2,PAGE 1, LINE 33)	<u>707,250</u>
2.	TRUE-UP (SCHEDULE C-3,PAGE 4,LINE 11)	<u>(68,169)</u>
3.	TOTAL (LINE 1 AND LINE 2)	<u>639,081</u>
4.	RETAIL KWH SALES	<u>638,161,739</u>
5.	COST PER KWH	<u>0.00100144</u>
6.	REVENUE TAX MULTIPLIER *	<u>1.00072</u>
7.	ADJUSTMENT FACTOR ADJUSTED FOR TAXES (LINE 5 X LINE 6)	<u>0.00100200</u>
8.	CONSERVATION ADJUSTMENT FACTOR- (ROUNDED TO THE NEAREST .001 CENTS PER KWH)	<u>0.100</u>

EXHIBIT NO. _____
DOCKET NO.160002-EG
FLORIDA PUBLIC UTILITIES COMPANY
(KIL-1)
PAGE 1 OF 20

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 10
PARTY: FLORIDA PUBLIC UTILITIES
COMPANY – DIRECT
DESCRIPTION: Kira I. Lake KIL-1

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION

ESTIMATED CONSERVATION PROGRAM COSTS

FOR MONTHS January-17 THROUGH December-17

A.	ESTIMATED EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	1 Common	28,717	28,717	28,717	28,717	28,717	28,717	28,717	28,717	28,717	28,717	28,717	28,717	344,600
	2 Residential Energy Survey Program	9,642	9,642	9,642	9,642	9,642	9,642	9,642	9,642	9,642	9,642	9,642	9,642	115,700
	3 Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 Low Income Program	696	696	696	696	696	696	696	696	696	696	696	696	8,350
	5 Commercial Heating & Cooling Upgrade	808	808	808	808	808	808	808	808	808	808	808	808	9,700
	6 Residential Heating & Cooling Upgrade	5,192	5,192	5,192	5,192	5,192	5,192	5,192	5,192	5,192	5,192	5,192	5,192	62,300
	7 Commercial Indoor Efficient Lighting Rebate	0	0	0	0	0	0	0	0	0	0	0	0	0
	8 Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0	0	0
	9 Commercial Chiller Upgrade Program	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	1,308	15,700
	10 Solar Water Heating Program	0	0	0	0	0	0	0	0	0	0	0	0	0
	11 Solar Photovoltaic Program	0	0	0	0	0	0	0	0	0	0	0	0	0
	12 Demonstration and Development	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	75,000
	13 Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0
	14 Commercial Reflective Roof Program	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258	2,258	27,100
	15 Commercial Energy Consultation	4,067	4,067	4,067	4,067	4,067	4,067	4,067	4,067	4,067	4,067	4,067	4,067	48,800
31.	TOTAL ALL PROGRAMS	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	707,250
32.	LESS AMOUNT INCLUDED IN RATE BASE													
33.	RECOVERABLE CONSERVATION EXPENSES	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	58,938	707,250

ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-17 THROUGH December-17

PROGRAM NAME	LABOR	ADVERTISING	LEGAL	OUTSIDE	VEHICLE	MATERIALS	TRAVEL	GENERAL	INCENTIVES	OTHER	SUB	PROGRAM	TOTAL
	& PAYROLL					& SUPPLIES		& ADMIN.					
1 Common	225,000	25,000	20,000	25,000	10,000	5,100	30,000	0	0	4,500	344,600	0	344,600
2 Residential Energy Survey Program	65,000	15,000	0	18,000	5,000	2,500	10,000	0	0	200	115,700	0	115,700
3 Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Low Income Program	2,500	5,000	0	0	500	100	250	0	0	0	8,350	0	8,350
5 Commercial Heating & Cooling Upgrade	1,000	7,500	0	0	0	100	100	0	1,000	0	9,700	0	9,700
6 Residential Heating & Cooling Upgrade	5,000	10,000	0	0	1,000	100	1,000	0	45,000	200	62,300	0	62,300
7 Commercial Indoor Efficient Lighting Rebate	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Commercial Chiller Upgrade Program	2,500	10,000	0	0	500	100	100	0	2,500	0	15,700	0	15,700
10 Solar Water Heating Program	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Solar Photovoltaic Program	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Demonstration and Development	2,500	0	0	72,000	500	0	0	0	0	0	75,000	0	75,000
13 Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Commercial Reflective Roof Program	7,500	7,500	0	0	1,500	100	500	0	10,000	0	27,100	0	27,100
15 Commercial Energy Consultation	40,000	1,000	0	2,500	2,500	100	2,500	0	0	200	48,800	0	48,800
31. TOTAL ALL PROGRAMS	351,000	81,000	20,000	117,500	21,500	8,200	44,450	0	58,500	5,100	707,250	0	707,250
32. LESS: BASE RATE RECOVERY													
33. NET PROGRAM COSTS	351,000	81,000	20,000	117,500	21,500	8,200	44,450	0	58,500	5,100	707,250	0	707,250

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

ESTIMATED FOR MONTHS January-17 THROUGH December-17

PROGRAM NAME:		BEGINNING OF PERIOD	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1.	INVESTMENT	NONE													
2.	DEPRECIATION BASE														
3.	DEPRECIATION EXPENSE														
4.	CUMULATIVE INVESTMENT														
5.	LESS: ACCUMULATED DEPRECIATION														
6.	NET INVESTMENT														
7.	AVERAGE NET INVESTMENT														
8.	RETURN ON AVERAGE INVESTMENT														
9.	EXPANSION FACTOR														
10.	RETURN REQUIREMENTS														
11.	TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT														NONE

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3
 PAGE 1 OF 5

ACTUAL FOR MONTHS ESTIMATED FOR MONTHS	January-16	THROUGH	June-16									SUB TOTAL	PROGRAM REVENUES	TOTAL		
	July-16	THROUGH	December-16	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.				INCENTIVES	OTHER
1. Common																
A. ACTUAL	121,568	24,367	1,919	7,888	2,936	2,486	15,885	0	0	7,750	184,798	184,798				
B. ESTIMATED	117,500	5,000	10,000	20,000	12,500	5,000	12,500	0	0	12,500	195,000	195,000				
C. TOTAL	239,068	29,367	11,919	27,888	15,436	7,486	28,385	0	0	20,250	379,798	379,798				
2. Residential Energy Survey Program																
A. ACTUAL	29,632	4,828	0	0	1,946	646	5,823	0	0	680	43,555	43,555				
B. ESTIMATED	30,000	7,500	0	0	3,750	2,500	2,500	0	0	5,000	51,250	51,250				
C. TOTAL	59,632	12,328	0	0	5,696	3,146	8,323	0	0	5,680	94,805	94,805				
3. Commercial Energy Survey																
A. ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0				
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0	0				
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0				
4. Low Income Program																
A. ACTUAL	679	0	0	0	23	10	76	0	0	9	797	797				
B. ESTIMATED	2,500	3,750	0	0	500	500	250	0	0	50	7,550	7,550				
C. TOTAL	3,179	3,750	0	0	523	510	326	0	0	59	8,347	8,347				
5. Commercial Heating & Cooling Upgrade																
A. ACTUAL	0	7,214	0	0	0	0	0	0	383	0	7,597	7,597				
B. ESTIMATED	500	1,250	0	0	0	50	50	0	750	50	2,650	2,650				
C. TOTAL	500	8,464	0	0	0	50	50	0	1,133	50	10,247	10,247				
6. Residential Heating & Cooling Upgrade																
A. ACTUAL	1,581	4,807	0	0	158	53	409	0	15,970	76	23,054	23,054				
B. ESTIMATED	2,500	10,000	0	0	250	50	250	0	15,000	50	28,100	28,100				
C. TOTAL	4,081	14,807	0	0	408	103	659	0	30,970	126	51,154	51,154				
7. Commercial Indoor Efficient Lighting Rebate																
A. ACTUAL	0	0	0	0	0	0	0	0	35,731	0	35,731	35,731				
B. ESTIMATED	3,750	2,500	0	0	500	50	500	0	0	50	7,350	7,350				
C. TOTAL	3,750	2,500	0	0	500	50	500	0	35,731	50	43,081	43,081				
SUB-TOTAL ACTUAL	153,460	41,215	1,919	7,888	5,063	3,195	22,193	0	52,083	8,514	295,531	295,531				
SUB-TOTAL ESTIMATED	153,000	27,500	10,000	20,000	17,000	8,100	15,550	0	15,750	17,650	284,550	284,550				
LESS: PRIOR YEAR AUDIT ADJ.																
ACTUAL											0	0				
ESTIMATED																
TOTAL																
NET PROGRAM COSTS	SEE PAGE 1A															

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3
 PAGE 1A OF 5

ACTUAL FOR MONTHS ESTIMATED FOR MONTHS	January-16	THROUGH	June-16													
	July-16	THROUGH	December-16	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
8. Commercial Window Film Installation Program																
A. ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Commercial Chiller Upgrade Program																
A. ACTUAL	2,480	5,718	0	0	159	63	534	0	0	53	9,007	9,007				
B. ESTIMATED	500	1,250	0	0	50	50	50	0	500	50	2,450	2,450				
C. TOTAL	2,980	6,968	0	0	209	113	584	0	500	103	11,457	11,457				
10. Solar Water Heating Program																
A. ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11. Solar Photovoltaic Program																
A. ACTUAL	285	0	0	0	24	14	94	0	0	6	422	422				
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0	0				
C. TOTAL	285	0	0	0	24	14	94	0	0	6	422	422				
12. Demonstration and Development																
A. ACTUAL	1,938	0	0	0	116	30	429	0	0	15	2,529	2,529				
B. ESTIMATED	1,250	0	0	36,250	0	0	0	0	0	0	37,500	37,500				
C. TOTAL	3,188	0	0	36,250	116	30	429	0	0	15	40,029	40,029				
13. Affordable Housing Builders and Providers																
A. ACTUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B. ESTIMATED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14. Commercial Reflective Roof Program																
A. ACTUAL	1,668	5,270	0	0	115	24	317	0	0	46	7,440	7,440				
B. ESTIMATED	2,500	6,250	0	0	250	50	250	0	2,500	50	11,850	11,850				
C. TOTAL	4,168	11,520	0	0	365	74	567	0	2,500	96	19,290	19,290				
14. Commercial Energy Consultation																
A. ACTUAL	20,753	211	0	0	1,764	595	3,888	0	0	735	28,046	28,046				
B. ESTIMATED	3,750	2,500	0	0	500	50	500	0	0	50	7,350	7,350				
C. TOTAL	24,503	2,711	0	0	2,264	645	4,488	0	0	785	35,396	35,396				
TOTAL ACTUAL	180,585	52,414	1,919	7,888	7,241	3,922	27,556	0	52,083	9,369	342,976	0	342,976			
TOTAL ESTIMATED	161,000	37,500	10,000	56,250	17,800	8,250	16,350	0	18,750	17,800	343,700	0	343,700			
LESS: PRIOR YEAR AUDIT ADJ. ACTUAL ESTIMATED TOTAL												0	0			
NET PROGRAM COSTS	341,585	89,914	11,919	64,138	25,041	12,172	43,906	0	70,833	27,169	686,676	0	686,676			

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION AND RETURN

SCHEDULE C-3
PAGE 2 OF 5

	ACTUAL FOR MONTHS	January-16	THROUGH	June-16														
	ESTIMATED FOR MONTHS	July-16	THROUGH	December-16	BEGINNING	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1.	INVESTMENT				NONE													
2.	DEPRECIATION BASE																	
3.	DEPRECIATION EXPENSE																	
4.	CUMULATIVE INVESTMENT																	
5.	LESS: ACCUMULATED DEPRECIATION																	
6.	NET INVESTMENT																	
7.	AVERAGE NET INVESTMENT																	
8.	RETURN ON AVERAGE INVESTMENT																	
9.	EXPANSION FACTOR																	
10.	RETURN REQUIREMENTS																	
11.	TOTAL DEPRECIATION EXPENSE AND RETURN REQUIREMENT																	NONE

EXHIBIT NO. _____
DOCKET NO. 160002-EG
FLORIDA PUBLIC UTILITIES COMPANY
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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3
 PAGE 3 OF 5

ACTUAL FOR MONTHS
 ESTIMATED FOR MONTHS

January-16
 July-16

THROUGH
 THROUGH

June-16
 December-16

A.	ESTIMATED EXPENSE BY PROGRAM	ACTUAL						TOTAL	ESTIMATED						TOTAL	GRAND
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	ACTUAL	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	ESTIMATED	TOTAL
CV610	Common	22,520	25,754	48,082	31,124	25,401	31,917	184,798	32,500	32,500	32,500	32,500	32,500	32,500	195,000	379,798
CV613	Residential Energy Survey Program	8,302	2,832	16,540	7,445	3,607	4,829	43,555	8,542	8,542	8,542	8,542	8,542	8,542	51,254	94,809
CV616	Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CV617	Low Income Program	447	0	0	0	350	0	797	1,258	1,258	1,258	1,258	1,258	1,258	7,548	8,345
CV618	Commercial Heating & Cooling Upgrade	1,298	712	1,245	1,022	1,100	2,219	7,597	442	442	442	442	442	442	2,652	10,249
CV619	Residential Heating & Cooling Upgrade	1,933	3,962	2,429	5,092	4,209	5,429	23,054	4,683	4,683	4,683	4,683	4,683	4,683	28,098	51,152
CV621	Commercial Indoor Efficient Lighting Rebate	0	0	35,731	0	0	0	35,731	0	0	0	0	0	0	0	35,731
CV622	Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CV623	Commercial Chiller Upgrade Program	1,745	582	1,063	2,404	2,284	929	9,007	408	408	408	408	408	408	2,448	11,455
CV624	Solar Water Heating Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CV625	Solar Photovoltaic Program	0	0	0	422	0	0	422	0	0	0	0	0	0	0	422
CV626	Demonstration and Development	0	0	1,685	844	0	0	2,529	6,250	6,250	6,250	6,250	6,250	6,250	37,500	40,029
CV627	Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CV628	Commercial Reflective Roof Program	1,261	582	652	1,398	2,617	929	7,440	1,975	1,975	1,975	1,975	1,975	1,975	11,850	19,290
CV629	Commercial Energy Consultation	4,129	3,513	3,181	2,996	3,767	10,460	28,046	1,225	1,225	1,225	1,225	1,225	1,225	7,350	35,396
	Prior period audit adj.							0							0	0
								0							0	0
31.	TOTAL ALL PROGRAMS	41,634	37,937	110,609	52,748	43,335	56,713	342,975	57,283	57,283	57,283	57,283	57,283	57,283	343,700	686,676
32.	LESS AMOUNT INCLUDED IN RATE BASE															
33.	RECOVERABLE CONSERVATION EXPENSES	41,634	37,937	110,609	52,748	43,335	56,713	342,975	57,283	57,283	57,283	57,283	57,283	57,283	343,700	686,676

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 DOCKET NO. 160002-EG
 FLORIDA PUBLIC UTILITIES COMPANY
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ENERGY CONSERVATION ADJUSTMENT
CALCULATION OF TRUE UP AND INTEREST PROVISION

	ACTUAL FOR MONTHS	January-16	THROUGH	June-16													
	ESTIMATED FOR MONTHS	July-16	THROUGH	December-16	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
B. CONSERVATION REVENUES																	
1. RCS AUDIT FEES																	
a.																	
b.																	
c.																	
2. CONSERVATION ADJ REVENUE (NET OF REVENUE TAXES)		(72,051)	(69,687)	(60,812)	(58,215)	(61,216)	(83,164)	(92,408)	(87,280)	(87,167)	(69,221)	(62,450)	(68,589)	(872,260)			
3. TOTAL REVENUES		(72,051)	(69,687)	(60,812)	(58,215)	(61,216)	(83,164)	(92,408)	(87,280)	(87,167)	(69,221)	(62,450)	(68,589)	(872,260)			
4. PRIOR PERIOD TRUE-UP-ADJ NOT APPLICABLE TO PERIOD		9,776	9,776	9,776	9,776	9,776	9,776	9,776	9,776	9,776	9,776	9,776	9,776	117,309			
5. CONSERVATION REVENUES APPLICABLE TO PERIOD		(62,275)	(59,911)	(51,036)	(48,439)	(51,440)	(73,388)	(82,632)	(77,504)	(77,391)	(59,445)	(52,674)	(58,816)	(754,951)			
6. CONSERVATION EXPENSES (FORM C-3, PAGE 3)		41,634	37,937	110,609	52,748	43,335	56,713	57,283	57,283	57,283	57,283	57,283	57,283	686,676			
7. TRUE-UP THIS PERIOD		(20,641)	(21,974)	59,573	4,308	(8,105)	(16,675)	(25,349)	(20,221)	(20,108)	(2,162)	4,609	(1,533)	(68,275)			
8. INTEREST PROVISION THIS PERIOD (C-3, PAGE 5)		29	20	22	29	28	21	11	2	(7)	(14)	(16)	(19)	106			
9. TRUE-UP & INTEREST PROVISION		117,309	86,921	55,191	105,010	99,572	81,718	55,289	20,175	(9,819)	(39,710)	(51,662)	(56,844)	117,309			
10. PRIOR TRUE-UP REFUNDED (COLLECTED)		(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(9,776)	(117,309)			
11. END OF PERIOD TOTAL NET TRUE- UP (SUM OF LINES 7,8,9,10)		86,921	55,191	105,010	99,572	81,718	55,289	20,175	(9,819)	(39,710)	(51,662)	(56,844)	(68,169)	0			

ENERGY CONSERVATION ADJUSTMENT
CALCULATION OF TRUE UP AND INTEREST PROVISION

ACTUAL FOR MONTHS ESTIMATED FOR MONTHS January-16 July-16 THROUGH THROUGH June-16 December-16

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
C. INTEREST PROVISION													
1. BEGINNING TRUE-UP (LINE B-9)	117,309	86,921	55,191	105,010	99,572	81,718	55,289	20,175	(9,819)	(39,710)	(51,662)	(56,844)	(68,169)
2. ENDING TRUE-UP BEFORE INTEREST (LINE B7+B9+B10)	86,892	55,171	104,988	99,543	81,690	55,268	20,164	(9,821)	(39,703)	(51,648)	(56,828)	(68,150)	(68,275)
3. TOTAL BEG. AND ENDING TRUE-UP	204,201	142,092	160,179	204,553	181,262	136,986	75,453	10,354	(49,522)	(91,358)	(108,490)	(124,994)	(136,444)
4. AVERAGE TRUE-UP (LINE C-3 X 50 %)	102,100	71,046	80,090	102,276	90,631	68,493	37,727	5,177	(24,761)	(45,679)	(54,245)	(62,497)	(68,222)
5. INTEREST RATE-FIRST DAY OF REPORTING BUSINESS MONTH	0.34%	0.34%	0.35%	0.32%	0.36%	0.38%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	
6. INTEREST RATE-FIRST DAY OF SUBSEQUENT BUSINESS MONTH	0.34%	0.35%	0.32%	0.36%	0.38%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	
7. TOTAL (LINE C-5 + C-6)	0.68%	0.69%	0.67%	0.68%	0.74%	0.74%	0.72%	0.72%	0.72%	0.72%	0.72%	0.72%	
8. AVG INTEREST RATE (C-7 X 50%)	0.34%	0.35%	0.34%	0.34%	0.37%	0.37%	0.36%	0.36%	0.36%	0.36%	0.36%	0.36%	
9. MONTHLY AVERAGE INTEREST RATE	0.028%	0.029%	0.028%	0.028%	0.031%	0.031%	0.030%	0.030%	0.030%	0.030%	0.030%	0.030%	
10. INTEREST PROVISION (LINE C-4 X C-9)	29	20	22	29	28	21	11	2	(7)	(14)	(16)	(19)	106

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CALCULATION OF CONSERVATION REVENUES

SCHEDULE C-4
 PAGE 1 OF 1

FOR THE PERIOD January-16 THROUGH December-17

MONTH	KWH/THERM SALES (000) (NET OF 3RD PARTY)	CONSERVATION ADJUSTMENT REVENUE (NET OF REVENUE TAXES)	RATE
2016 JANUARY	53,893	72,051	ACTUAL
FEBRUARY	51,681	69,687	ACTUAL
MARCH	45,120	60,812	ACTUAL
APRIL	43,175	58,215	ACTUAL
MAY	45,404	61,216	ACTUAL
JUNE	61,225	83,164	ACTUAL
JULY	68,382	92,408	0.135135
AUGUST	64,587	87,280	0.135136
SEPTEMBER	64,504	87,167	0.135134
OCTOBER	51,224	69,221	0.135134
NOVEMBER	46,213	62,450	0.135135
DECEMBER	<u>50,756</u>	<u>68,589</u>	0.135135
SUB-TOTAL	<u>646,164</u>	<u>872,260</u>	
2017 JANUARY	54,857	54,937	0.100146
FEBRUARY	53,992	54,070	0.100145
MARCH	47,663	47,732	0.100145
APRIL	43,596	43,659	0.100144
MAY	46,458	46,525	0.100145
JUNE	54,844	54,923	0.100144
JULY	68,365	68,463	0.100143
AUGUST	65,548	65,643	0.100144
SEPTEMBER	61,406	61,494	0.100143
OCTOBER	48,291	48,361	0.100145
NOVEMBER	45,474	45,540	0.100144
DECEMBER	<u>47,668</u>	<u>47,737</u>	0.100145
SUB-TOTAL	<u>638,162</u>	<u>639,084</u>	
TOTALS	<u>1,284,326</u>	<u>1,511,344</u>	

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 DOCKET NO. 160002-EG
 FLORIDA PUBLIC UTILITIES COMPANY
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Program

1. Residential Energy Survey Program
2. Commercial Heating and Cooling Upgrade Program
3. Residential Heating and Cooling Upgrade Program
4. Commercial Chiller Upgrade Program
5. Conservation Demonstration and Development Program
6. Low Income Energy Outreach Program
7. Commercial Reflective Roof Program
8. Commercial Energy Consultation Program

PROGRAM TITLE:

Residential Energy Survey Program

PROGRAM DESCRIPTION:

The objective of the Residential Energy Survey Program is to provide FPUC's residential customers with energy conservation advice that encourages the implementation of efficiency measures resulting in energy savings for the customer. These measures, once implemented, also lower FPUC's energy requirements and improve operating efficiencies. FPUC views this program as a way of promoting the installation of cost-effective conservation features. During the survey process, the customer is provided with specific whole-house recommendations. The survey process also checks for possible duct leakage. If a problem is identified, recommendations are made for further analysis and repairs. Blower-door testing is required to identify and quantify the duct leakage. FPUC provides the customer with a list of contractors that provide blower-door testing. After the blower-door test contractor identifies the leakage sites and quantities, the customer is given a written summary of the test findings and the potential for savings, along with a list of approved repair contractors. During the survey, FPUC will provide the customer with a conservation kit as appropriate. The kit includes two LED bulbs, weather stripping, chalk, insulators for wall sockets and light switches, and a water temperature thermometer. While the contents of the conservation kit will result in demand and energy savings, its purpose is to provide the customer with actual samples of low and no cost measures the customer can take to reduce their energy costs.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that 225 residential surveys will be conducted. Fiscal expenditures for 2017 are projected to be \$115,700.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016, 140 surveys were performed and actual expenditures were \$43,555. We estimate that another 140 surveys will be performed between July 2016 and December 2016. For January 2016 through December 2016 the projected expenses are \$94,804. For January 2016 through December 2016, the goal for the number of program participants is 100.

PROGRAM SUMMARY:

This program provides participating customers with the information needed to determine which energy saving measures are best suited to their individual needs and requirements. We feel confident that by continuing to advertise the benefits of this program through bill inserts, promotional materials, newspaper, cable TV and social media, we will continue to see a high participation level in this program.

PROGRAM TITLE:

Commercial Heating and Cooling Upgrade Program

PROGRAM DESCRIPTION:

This program is directed at reducing the rate of growth in peak demand and energy throughout FPUC's commercial sector by providing rebates to small commercial customers (commercial establishments with a maximum of 5 ton units). The program will do this by increasing the saturation of high-efficiency heat pumps and air conditioners. The program requires that customer install a high-efficiency central air conditioning system or heat pump with a minimum 15 SEER.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that 10 Commercial Heating and Cooling allowances will be paid. Fiscal expenditures for 2017 are projected to be \$9,700.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016, 3 Commercial Heating and Cooling allowances were paid and actual expenditures were \$7,597. We estimate that 8 Commercial Heating and Cooling allowances will be paid between July 2016 and December 2016. For January 2016 through December 2016 the projected expenses are \$10,247.

For January 2016 through December 2016, the goal for the number of program participants is 10.

PROGRAM SUMMARY:

This program provides an opportunity for FPUC commercial customers to install a more energy efficient heating and cooling system with the results being a decrease in energy consumption as well as a reduction in weather-sensitive peak demand for FPUC. We feel confident that by continuing to advertise the benefits of this program through our Energy Survey Program, bill inserts, promotional materials and social media platforms, we will see a higher participation level.

PROGRAM TITLE:

Residential Heating and Cooling Efficiency Upgrade Program

PROGRAM DESCRIPTION:

This program is directed at reducing the rate of growth in peak demand and energy throughout FPUC's electricity service territories. The program will do this by increasing the saturation of high-efficiency heat pumps and central air conditioning systems. The program requires that customer install a high-efficiency central air conditioning system or heat pump with a minimum 15 SEER. The Residential Heating & Cooling Efficiency Upgrade Program focuses in two areas. The first is to incent customers operating inefficient heat pumps and air conditioners to replace them with more efficient units. The program also incents customers with resistance heating to install a new heat pump. The second area of focus for the program is to incent customers that are replacing a heat pump or air conditioner that has reached the end of its life with a more efficient heat pump or air conditioner than is required by codes and standards. The incentive to install a more efficient heat pump or air conditioner also applies to heat pumps and air conditioners being installed in new construction.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that 200 Residential Heating and Cooling allowances will be paid. Fiscal expenditures for 2017 are projected to be \$62,300.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016, 120 Residential Heating and Cooling allowances were paid and actual expenditures were \$23,054. We estimate that another 120 Residential Heating and Cooling allowances will be paid between July 2016 and December 2016. For January 2016 through December 2016 the projected expenses are \$51,154.

For January 2016 through December 2016, the goal for the number of program participants is 100.

PROGRAM SUMMARY:

This program provides an opportunity for FPUC customers' to install a more energy efficient heating and cooling system with the results being a decrease in energy consumption as well as a reduction in weather-sensitive peak demand for FPUC. We feel confident that by continuing to advertise the benefits of this program through, bill inserts, promotional materials and social media, we will continue to see a high participation level.

PROGRAM TITLE:

Commercial Chiller Upgrade Program

PROGRAM DESCRIPTION:

The program is directed at reducing the rate of growth in peak demand and energy throughout FPUC's commercial/industrial sector. To serve this purpose, this program requires that commercial/industrial customers replace existing chillers with a more efficient system. By doing so, they will qualify for an incentive of up to \$175 per kW of additional savings above the minimum efficiency levels. The program covers water-cooled centrifugal chillers, water-cooled scroll or screw chillers, and air-cooled electric chillers. Minimum qualifications for efficiency exist for each of the chiller types based on size and are presented in the participation standards section of this program description. Interested customers will send project proposals to FPUC and a representative will schedule an on-site visit for inspection prior to installation. After the project is completed, a FPUC representative will conduct an on-site inspection. By following the guidelines, the customer will qualify for the rebate.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that 1 Commercial Chiller Upgrade rebate will be paid. Fiscal expenditures for 2017 are projected to be \$15,700.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016, no Commercial Chiller Upgrade allowances were paid and actual expenditures were \$9,007. We estimate that 1 Commercial Chiller Upgrade rebate will be paid between July 2016 and December 2016. For January 2016 through December 2016 the projected expenses are \$11,457.

For January 2016 through December 2016, the goal for the number of program participants is 1.

PROGRAM SUMMARY:

Interested customers will send project proposals to Florida Public Utilities Company and a representative will schedule an on-site visit for inspection prior to installation. After the project is completed, a Florida Public Utilities Company representative will conduct an on-site inspection. By following the guidelines, the customer will qualify for the rebate.

PROGRAM TITLE:

Conservation Demonstration and Development Program

PROGRAM DESCRIPTION:

The primary purpose of the Conservation Demonstration and Development (CDD) program is to pursue research, development, and demonstration projects that are designed to promote energy efficiency and conservation. This program will supplement and complement the other demand-side management programs offered by Florida Public Utilities Company. The CDD program is meant to be an umbrella program for the identification, development, demonstration, and evaluation of promising new end-use technologies. The CDD program does not focus on any specific end-use technology but, instead, will address a wide variety of energy applications.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that they will engage in at least 1 CDD project. Fiscal expenditures for 2017 are projected to be \$75,000.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016 actual expenditures were \$2,529. For January 2016 through December 2016 the projected expenses are \$40,029.

PROGRAM SUMMARY:

Florida Public Utilities Company will limit the total CDD expenditures to a maximum of \$75,000 per year. The Company will also notify the Florida Public Service Commission of any CDD project that exceeds \$15,000. Costs for CDD projects that meet the program's criteria for acceptance will be charged to Energy Conservation Cost Recovery account.

**FLORIDA PUBLIC UTILITIES COMPANY
CONSOLIDATED ELECTRIC DIVISION
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5
PAGE 7 OF 9**

PROGRAM TITLE:

Low Income Program

PROGRAM DESCRIPTION:

The Low Income Energy Outreach Program is an educational program designed to enhance the effectiveness of existing weatherization programs for low-income households. FPUC's Low Income Energy Outreach Program partners with Department of Economic Opportunity approved Low Income Weatherization Program operators by offering Residential Energy Surveys scheduled by the Low Income Weatherization Program operators, weatherization contractor training, distributing energy efficiency educational literature to participants, and hosting energy conservation events customized for low income households.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, fiscal expenditures are projected to be \$8,350.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016 actual expenditures were \$797. For January 2016 through December 2016 the projected expenses are \$8,347.

PROGRAM SUMMARY:

The main purpose of the Low Income Energy Outreach Program is to ensure that low income households are implementing all the necessary energy efficiency measures available. FPUC believes that by working with Weatherization Program operators, it is not only offering a valuable service to its Low Income residents, but that much needed thermal efficiency and weatherization improvements will be made.

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DOCKET NO. 160002-EG
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PROGRAM TITLE:

Commercial Reflective Roof Program

PROGRAM DESCRIPTION:

The Commercial Reflective Roof Program is a new program that provides rebates to non-residential customers that either convert their existing roof to a cool roof or install a new cool roof on an existing building or a new building. The rebate covers up to 25% of the incremental cost of providing the cool roof compared to a standard roof. Rebates will be \$0.075 per sqft for new roofs on new or existing facilities and \$0.325 per sqft for roofs converting to a cool roof. Roofing material must be Energy Star certified in all cases. The program will reduce energy and demand required for cooling. Participation rates are measured per 1000 sq. ft. of roof. FPUC will work with roofing contractors to promote the program in a manner similar to the Residential and Commercial Heating & Cooling Upgrade Programs. The roofing contractors will provide copies of their proposal to provide roofing services for FPUC's customers. FPUC will inspect the roof before work begins and after the work is completed. FPUC will make the determination of which level of rebate will apply to the project and that the project qualifies for a rebate by using Energy Star certified materials.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, the Company estimates that 10 Commercial Reflective Roof allowances will be paid. Fiscal expenditures for 2017 are projected to be \$27,100.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016 actual expenditures were \$7,440. For January 2016 through December 2016 the projected expenses are \$19,290.

PROGRAM SUMMARY:

The program started upon approval of FPUC's 2015 DSM Plan and Program Standards. We feel confident that by advertising the benefits of this program through our Energy Survey Program, bill inserts, promotional materials and social media platforms, we will begin to receive participants in this program.

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**FLORIDA PUBLIC UTILITIES COMPANY
CONSOLIDATED ELECTRIC DIVISION
PROGRAM DESCRIPTION AND SUMMARY**

**SCHEDULE C-5
PAGE 9 OF 9**

PROGRAM TITLE:

Commercial Energy Consultation Program

PROGRAM DESCRIPTION:

The Florida Public Utilities Company Commercial Energy Consultation Program is designed to directly communicate the availability of the commercial DSM programs to commercial customers. This program allows for FPUC energy conservation representatives to conduct commercial site visits to educate customers about FPUC's commercial DSM programs, assess the potential for applicable DSM Programs, conduct an electric bill review, offer commercial energy savings suggestions, and inform customer about FPUC's commercial online energy efficiency resources and tools.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2017, fiscal expenditures are projected to be \$48,800.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2016 through June 2016 actual expenditures were \$28,046. For January 2016 through December 2016 the projected expenses are \$36,396.

PROGRAM SUMMARY:

In recent research of commercial/industrial customers, consistent response for areas of improvement from this class of customer include individualized attention and service in helping them improve their cost of operation and efficiency. We have built trusting relationships with many of these customers by offering education on new technologies and by offering expertise in energy conservation. This work will continue to benefit FPUC and its rate payers.

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 11
PARTY: GULF POWER COMPANY –
DIRECT
DESCRIPTION: John N. Floyd JNF-1

Schedule CT-1

Gulf Power Company

ENERGY CONSERVATION COST RECOVERY (ECCR)

Calculation of the Final True-Up Amount

For the Period: January 2015 - December 2015

	<u>\$</u>	<u>\$</u>
Actual		
1. Principal	3,605,426	
2. Interest	<u>1,847</u>	
3. Actual Over/(Under) Recovery Ending Balance		3,607,274
Estimated/Actual as filed August 21, 2015		
4. Principal	5,831,497	
5. Interest	<u>1,680</u>	
6. Total Estimated/Actual Over/(Under) Recovery		<u>5,833,177</u>
7. Adjusted Net True-up Over/(Under) Recovery (Line 3 - 6)		<u><u>(2,225,904)</u></u>

Schedule CT-2

Gulf Power Company

ENERGY CONSERVATION COST RECOVERY (ECCR)

Calculation of the Final True-Up Amount

For the Period: January 2015 - December 2015

**Analysis of Energy Conservation Program Costs
 Actual Compared to Estimated/Actual**

	Actual	Est/Actual	Difference
	\$	\$	\$
1. Depreciation, Return & Property Tax	2,251,733.19	2,227,104.35	24,628.84
2. Payroll & Benefits	4,537,182.08	4,422,558.74	114,623.34
3. Materials & Supplies	5,457,205.19	5,582,231.13	(125,025.94)
4. Advertising	441,228.80	473,234.08	(32,005.28)
5. Incentives	5,274,536.10	5,227,300.49	47,235.61
6. Adjustments	0.00	0.00	0.00
7. Other	0.00	0.00	0.00
8. Subtotal	17,961,885.36	17,932,428.79	29,456.57
9. Program Revenues	0.00	0.00	0.00
10. Total Program Costs	17,961,885.36	17,932,428.79	29,456.57
11. Less: Payroll Adjustment	0.00	0.00	0.00
12. Amounts Inc. in Base Rate	0.00	0.00	0.00
13. Conservation Adjustment Revenues	24,211,436.44	26,408,051.18	(2,196,614.74)
14. Rounding Adjustment	24,211,436.00	26,408,051.00	(2,196,615.00)
15. True-up Before Adjustment Over/(Under) Recovery	6,249,551	8,475,622	(2,226,071)
16. Interest Provision	1,847	1,680	167
17. Prior Period True-up	(2,644,125)	(2,644,125)	0
18. Other	0	0	0
19. End of Period True-up	3,607,273	5,833,177	(2,225,904)

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

Conservation Costs By Program
Variance Actual Vs. Estimated/Actual

Program	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Material & Expenses	Other	Advertising	Incentives	Sub-Total	Program Revenues	Total
Residential Conservation Programs:									
1. Residential Energy Audit and Education	0.00	24,334.18	(14,970.41)	0.00	(34,467.70)	0.00	(25,103.93)	0.00	(25,103.93)
2. Community Energy Saver	0.00	1,232.42	34,474.16	0.00	0.00	0.00	35,706.58	0.00	35,706.58
3. Landlord-Renter Custom	0.00	(18,741.45)	(3,938.81)	0.00	0.00	0.00	(22,680.26)	0.00	(22,680.26)
4. HVAC Efficiency	0.00	37,478.46	94,706.83	0.00	(3,894.10)	49,677.00	177,968.19	0.00	177,968.19
5. Heat Pump Water Heater	0.00	8,275.11	(961.80)	0.00	0.00	23,459.26	30,772.57	0.00	30,772.57
6. Ceiling Insulation	0.00	6,548.38	(2,016.84)	0.00	0.00	24,675.61	29,207.15	0.00	29,207.15
7. High Performance Window	0.00	(11,890.18)	(10,663.72)	0.00	0.00	(18,002.00)	(40,555.90)	0.00	(40,555.90)
8. Reflective Roof	0.00	(12,130.15)	(11,107.55)	0.00	0.00	(59,721.74)	(82,959.44)	0.00	(82,959.44)
9. Variable Speed Pool Pump	0.00	5,908.78	(2,663.89)	0.00	0.00	4,045.26	7,290.15	0.00	7,290.15
10. Energy Select / Energy Select LITE	24,628.84	26,222.15	5,354.95	0.00	6,356.52	0.00	62,562.46	0.00	62,562.46
11. Self-Install Energy Efficiency	0.00	(1,008.29)	(5,853.52)	0.00	0.00	(11,654.00)	(18,515.81)	0.00	(18,515.81)
12. Refrigerator Recycling	0.00	1,186.51	(149.75)	0.00	0.00	(49.74)	987.02	0.00	987.02
Commercial / Industrial Conservation Programs:									
13. Commercial / Industrial Energy Audit	0.00	4,754.92	(690.81)	0.00	0.00	0.00	4,064.11	0.00	4,064.11
14. HVAC Retrocommissioning	0.00	474.35	(363.54)	0.00	0.00	(687.74)	(576.93)	0.00	(576.93)
15. Commercial Building Efficiency	0.00	34,880.03	14,252.12	0.00	0.00	42,844.70	91,976.85	0.00	91,976.85
16. HVAC Occupancy Sensor	0.00	3,442.99	(133.18)	0.00	0.00	0.00	3,309.81	0.00	3,309.81
17. High Efficiency Motors	0.00	1,454.85	140.47	0.00	0.00	(1,503.00)	92.32	0.00	92.32
18. Food Services	0.00	2,251.40	(239.44)	0.00	0.00	(1,529.00)	482.96	0.00	482.96
19. Commercial / Industrial Custom Incentive	0.00	(2,736.75)	309.27	0.00	0.00	0.00	(2,427.48)	0.00	(2,427.48)

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

Conservation Costs By Program
Variance Actual Vs. Estimated/Actual

Program	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Material & Expenses	Other	Advertising	Incentives	Sub-Total	Program Revenues	Total
Renewable Energy Plan:									
20. Renewable Energy Plan Common	0.00	1,642.97	(3,987.68)	0.00	0.00	0.00	(2,344.71)	0.00	(2,344.71)
21. Solar for Schools	0.00	0.00	(39,165.84)	0.00	0.00	0.00	(39,165.84)	0.00	(39,165.84)
22. Solar Thermal Water Heating	0.00	0.00	0.00	0.00	0.00	(3,000.00)	(3,000.00)	0.00	(3,000.00)
23. Solar PV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24. Solar Thermal Water Heating for Low-Income	0.00	0.00	0.00	0.00	0.00	(1,319.00)	(1,319.00)	0.00	(1,319.00)
25. Residential Time of Use Rate Pilot (NEW)	0.00	0.00	(181,250.00)	0.00	0.00	0.00	(181,250.00)	0.00	(181,250.00)
26. Conservation Demonstration and Development:	0.00	1,042.66	3,893.04	0.00	0.00	0.00	4,935.70	0.00	4,935.70
27. Less Base Rate Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28. Total All Programs	24,628.84	114,623.34	(125,025.94)	0.00	(32,005.28)	47,235.61	29,456.57	0.00	29,456.57

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Conservation Costs By Program
Actual Expenses**

Program	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Material & Expenses	Other	Advertising	Incentives	Sub-Total	Program Revenues	Total
Residential Conservation Programs:									
1. Residential Energy Audit and Education	10,012.52	1,641,094.49	292,800.38	0.00	201,751.83	0.00	2,145,659.22	0.00	2,145,659.22
2. Community Energy Saver	0.00	44,396.42	789,418.78	0.00	0.00	0.00	833,815.20	0.00	833,815.20
3. Landlord-Renter Custom	0.00	32,795.83	11,276.10	0.00	0.00	0.00	44,071.93	0.00	44,071.93
4. HVAC Efficiency	0.00	237,492.11	1,521,735.35	0.00	1,105.90	3,706,416.00	5,466,749.36	0.00	5,466,749.36
5. Heat Pump Water Heater	0.00	78,917.05	5,369.46	0.00	0.00	85,500.00	169,786.51	0.00	169,786.51
6. Ceiling Insulation	0.00	65,034.18	9,219.09	0.00	0.00	36,918.60	111,171.87	0.00	111,171.87
7. High Performance Window	0.00	70,650.54	8,206.88	0.00	0.00	86,313.00	165,170.42	0.00	165,170.42
8. Reflective Roof	0.00	66,316.05	9,608.11	0.00	0.00	79,156.50	155,080.66	0.00	155,080.66
9. Variable Speed Pool Pump	0.00	63,752.71	12,046.60	0.00	0.00	27,674.50	103,473.81	0.00	103,473.81
10. Energy Select / Energy Select LITE	2,241,720.67	1,109,572.83	2,573,282.95	0.00	238,371.07	0.00	6,162,947.52	0.00	6,162,947.52
11. Self-Install Energy Efficiency	0.00	8,203.07	(3,465.86)	0.00	0.00	148,346.00	153,083.21	0.00	153,083.21
12. Refrigerator Recycling	0.00	8,585.55	2,018.15	0.00	0.00	0.00	10,603.70	0.00	10,603.70
Commercial / Industrial Conservation Programs:									
13. Commercial / Industrial Energy Audit	0.00	550,469.72	82,085.48	0.00	0.00	0.00	632,555.20	0.00	632,555.20
14. HVAC Retrocommissioning	0.00	23,821.12	4,587.74	0.00	0.00	1,830.00	30,238.86	0.00	30,238.86
15. Commercial Building Efficiency	0.00	321,130.91	27,882.34	0.00	0.00	492,091.50	841,104.75	0.00	841,104.75
16. HVAC Occupancy Sensor	0.00	15,677.56	1,397.98	0.00	0.00	0.00	17,075.54	0.00	17,075.54
17. High Efficiency Motors	0.00	9,060.85	761.18	0.00	0.00	5,259.00	15,081.03	0.00	15,081.03
18. Food Services	0.00	20,345.70	2,064.29	0.00	0.00	5,350.00	27,759.99	0.00	27,759.99
19. Commercial / Industrial Custom Incentive	0.00	10,314.02	3,485.05	0.00	0.00	0.00	13,799.07	0.00	13,799.07

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Conservation Costs By Program
Actual Expenses**

Program	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Material & Expenses	Other	Advertising	Incentives	Sub-Total	Program Revenues	Total
Renewable Energy Plan:									
20. Renewable Energy Plan Common	0.00	121,400.49	3,912.62	0.00	0.00	0.00	125,313.11	0.00	125,313.11
21. Solar for Schools	0.00	0.00	70,834.16	0.00	0.00	0.00	70,834.16	0.00	70,834.16
22. Solar Thermal Water Heating	0.00	0.00	0.00	0.00	0.00	16,000.00	16,000.00	0.00	16,000.00
23. Solar PV	0.00	0.00	0.00	0.00	0.00	510,000.00	510,000.00	0.00	510,000.00
24. Solar Thermal Water Heating for Low-Income	0.00	0.00	0.00	0.00	0.00	73,681.00	73,681.00	0.00	73,681.00
25. Residential Time of Use Rate Pilot (NEW)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26. Conservation Demonstration and Development:									
a. UWF Best House	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b. Azalea Trace Heat Pump Water Heater	0.00	5,210.43	1,214.09	0.00	0.00	0.00	6,424.53	0.00	6,424.53
c. 10th Ave Hair Salon Heat Pump Water Htr	0.00	32,940.45	27,464.27	0.00	0.00	0.00	60,404.71	0.00	60,404.71
d. Total	0.00	38,150.88	28,678.36	0.00	0.00	0.00	66,829.24	0.00	66,829.24
27. Total All Programs	2,251,733.19	4,537,182.08	5,457,205.19	0.00	441,228.80	5,274,536.10	17,961,885.36	0.00	17,961,885.36

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

Conservation Costs By Program
Summary of Actual Expenses By Program By Month

Program	January	February	March	April	May	June	July	August	September	October	November	December	Total
Residential Conservation Programs:													
1. Residential Energy Audit and Education	142,106.28	184,440.87	177,589.19	159,899.23	149,221.90	164,617.87	170,247.44	179,763.04	229,222.60	268,772.41	162,514.24	147,251.63	2,135,646.70
Amortization & Return on Investment	862.06	857.15	852.23	847.31	842.40	837.49	831.04	826.22	821.39	816.57	811.74	806.92	10,012.52
Total	142,968.34	185,298.02	178,441.42	160,746.54	150,064.30	165,455.36	171,078.48	180,589.26	230,043.99	269,588.98	163,325.98	148,058.55	2,145,659.22
2. Community Energy Saver	68,576.12	51,595.82	60,804.93	76,447.66	110,210.95	3,976.73	76,377.86	119,275.32	56,140.54	6,770.31	71,910.57	131,728.39	833,815.20
3. Landlord-Renter Custom	9,366.00	4,127.63	4,254.55	5,159.73	1,104.82	4,876.39	10,835.43	845.44	1,307.06	243.61	954.74	996.53	44,071.93
4. HVAC Efficiency	335,972.04	365,657.04	314,620.96	568,438.36	635,859.10	636,913.24	702,868.37	665,942.69	895,356.30	148,194.90	103,102.75	93,823.61	5,466,749.36
5. Heat Pump Water Heater	20,323.25	16,548.02	14,469.22	15,741.90	13,396.80	15,284.24	12,358.51	18,177.85	17,987.62	7,892.63	10,580.13	7,026.34	169,786.51
6. Ceiling Insulation	19,485.24	13,241.24	12,363.31	14,187.78	(22,145.93)	14,384.39	12,233.69	21,520.68	14,441.57	4,235.21	3,673.41	3,551.28	111,171.87
7. High Performance Window	15,629.33	10,907.80	13,787.56	14,038.82	11,589.14	14,025.15	16,595.68	13,997.55	13,138.14	7,654.52	24,436.28	9,370.45	165,170.42
8. Reflective Roof	19,115.15	10,156.06	14,925.87	11,227.91	15,859.88	15,130.57	12,637.82	16,250.22	13,440.72	6,632.03	12,185.66	7,518.77	155,080.66
9. Variable Speed Pool Pump	15,132.69	7,518.43	10,290.12	13,390.31	9,211.45	9,900.32	9,366.34	11,019.52	8,746.13	3,068.27	2,888.63	2,941.60	103,473.81
10. Energy Select / Energy Select LITE	243,820.76	261,427.64	304,510.69	330,908.23	345,347.60	272,632.06	261,582.03	262,687.94	373,226.91	302,072.74	548,372.90	414,637.35	3,921,226.85
Amortization & Return on Investment	178,823.48	181,884.24	182,865.46	183,791.39	185,142.76	186,267.79	185,372.31	189,055.13	191,436.32	192,037.92	192,359.19	192,684.68	2,241,720.67
Total	422,644.24	443,311.88	487,376.15	514,699.62	530,490.36	458,899.85	446,954.34	451,743.07	564,663.23	494,110.66	740,732.09	607,322.03	6,162,947.52
11. Self-Install Energy Efficiency	21,805.50	10,669.50	12,722.22	13,627.29	16,905.99	21,745.78	25,422.24	9,090.25	78,749.23	(60,372.20)	1,339.30	1,378.11	153,083.21
12. Refrigerator Recycling	4,004.68	(788.74)	1,002.79	888.11	748.01	817.36	807.47	837.72	557.29	569.14	583.68	576.19	10,603.70
Commercial / Industrial Conservation Programs:													
13. Commercial / Industrial Energy Audit	61,951.86	43,651.12	54,534.55	41,560.44	48,235.55	56,864.69	59,821.88	50,546.64	57,517.06	54,349.64	49,123.13	54,398.64	632,555.20
14. HVAC Retrocommissioning	1,543.25	2,591.80	2,238.27	3,243.91	2,274.35	3,762.62	2,321.59	2,785.55	2,231.14	2,605.53	2,341.38	2,299.47	30,238.86
15. Commercial Building Efficiency	60,022.53	122,120.13	59,764.24	72,282.66	41,511.32	103,818.89	64,870.13	87,827.33	50,733.02	68,540.66	60,142.48	49,471.36	841,104.75
16. HVAC Occupancy Sensor	1,588.56	1,716.31	1,904.10	2,078.08	1,736.40	1,021.50	665.52	908.48	1,649.77	1,256.87	1,278.69	1,271.26	17,075.54
17. High Efficiency Motors	2,180.21	913.70	1,208.10	1,091.27	4,348.99	1,046.13	869.31	1,191.47	544.92	528.78	583.52	574.63	15,081.03
18. Food Services	3,625.32	1,382.00	2,267.97	3,050.38	3,920.73	5,960.33	1,008.30	1,231.49	1,515.45	1,254.59	1,275.95	1,267.48	27,759.99
19. Commercial / Industrial Custom Incentive	4,990.25	278.08	641.12	894.73	827.59	824.27	1,009.51	811.44	747.24	878.37	843.55	1,052.92	13,799.07

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

Conservation Costs By Program
Summary of Actual Expenses By Program By Month

Program	January	February	March	April	May	June	July	August	September	October	November	December	Total
Renewable Energy Plan:													
20. Renewable Energy Plan Common	11,338.36	11,101.31	10,837.25	11,435.67	10,065.67	9,044.16	10,644.40	6,887.25	11,725.06	10,818.32	10,988.81	10,426.85	125,313.11
21. Solar for Schools	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49,583.92	21,250.24	0.00	70,834.16
22. Solar Thermal Water Heating	(5,000.00)	3,000.00	1,000.00	2,000.00	2,000.00	2,000.00	1,000.00	2,000.00	3,000.00	2,000.00	0.00	3,000.00	16,000.00
23. Solar PV	0.00	0.00	50,000.00	210,000.00	134,960.00	58,400.00	30,000.00	0.00	10,000.00	10,000.00	6,640.00	0.00	510,000.00
24. Solar Thermal Water Heating for Low-Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73,681.00	0.00	0.00	73,681.00
25. Residential Time of Use Rate Pilot (NEW)	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
26. Conservation Demonstration and Development:													
a. UWF Best House	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
b. Azalea Trace Heat Pump Water Heater	3,330.90	5,181.80	5,421.41	(8,492.23)	0.00	459.73	111.70	0.00	121.27	96.94	106.99	86.02	6,424.53
c. 10th Ave Hair Salon Heat Pump Water Htr	0.00	0.00	0.00	14,256.46	6,947.66	3,378.89	5,508.22	6,206.27	5,969.85	6,169.87	5,454.75	6,512.74	60,404.71
d. Total	3,330.90	5,181.80	5,421.41	5,764.23	6,947.66	3,838.62	5,619.92	6,206.27	6,091.12	6,266.81	5,561.74	6,598.76	66,829.24
27. Total All Programs	1,240,593.82	1,310,178.95	1,314,876.11	1,761,995.40	1,730,123.13	1,607,990.59	1,675,366.79	1,669,685.49	2,040,326.60	1,170,352.55	1,295,742.71	1,144,653.22	17,961,885.36

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

Conservation Costs By Program
Calculation of Over/Under Recovery

Conservation Revenues	January	February	March	April	May	June	July	August	September	October	November	December	Total
1. EnergySelect RSVP Fees	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
2. Over/(Under) Recovery	1,899,424.06	1,833,590.62	1,686,617.39	1,737,647.27	2,223,648.31	2,531,266.69	2,829,792.84	2,750,767.87	2,244,847.77	1,862,171.06	1,713,130.34	898,532.22	24,211,436.44
3. Total Revenues	1,899,424.06	1,833,590.62	1,686,617.39	1,737,647.27	2,223,648.31	2,531,266.69	2,829,792.84	2,750,767.87	2,244,847.77	1,862,171.06	1,713,130.34	898,532.22	24,211,436.44
4. Adjustment not Applicable to Period - Prior True Up	(267,058.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(267,064.00)	(3,204,762.00)
5. Conservation Revenues Applicable to Period	1,632,366.06	1,566,526.62	1,419,553.39	1,470,583.27	1,956,584.31	2,264,202.69	2,562,728.84	2,483,703.87	1,977,783.77	1,595,107.06	1,446,066.34	631,468.22	21,006,674.44
6. Conservation Expenses (CT-3, Page 3, Line 27)	1,240,593.82	1,310,178.95	1,314,876.11	1,761,995.40	1,730,123.13	1,607,990.59	1,675,366.79	1,669,685.49	2,040,326.60	1,170,352.55	1,295,742.71	1,144,653.22	17,961,885.36
7. True Up this Period (Line 5 - 6)	391,772.24	256,347.67	104,677.28	(291,412.13)	226,461.18	656,212.10	887,362.05	814,018.38	(62,542.83)	424,754.51	150,323.63	(513,185.00)	3,044,789.08
8. Interest Provision this Period (CT-3, Page 5, Line 11)	(192.89)	(136.47)	(95.73)	(68.92)	(57.87)	(11.97)	69.61	183.07	264.01	321.72	409.89	854.67	1,539.12
9. True Up & Interest Provision Beginning of Month	(2,644,124.73)	(1,985,487.38)	(1,462,212.18)	(1,090,566.63)	(1,114,763.19)	(621,208.27)	302,055.86	1,456,551.52	2,537,816.97	2,742,602.15	3,434,742.38	3,852,539.90	(2,644,124.73)
10. Prior True Up Collected or Refunded	267,058.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	267,064.00	3,204,762.00
10a Interest Adjustment				220.49	87.61								308.10
11. End of Period- Net True Up	(1,985,487.38)	(1,462,212.18)	(1,090,566.63)	(1,114,763.19)	(621,208.27)	302,055.86	1,456,551.52	2,537,816.97	2,742,602.15	3,434,742.38	3,852,539.90	3,607,273.57	3,607,273.57

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Computation of Interest Expense
Energy Conservation Adjustment**

Interest Provision	January	February	March	April	May	June	July	August	September	October	November	December	Total
1. Beginning True up Amount	(2,644,124.73)	(1,985,487.38)	(1,462,212.18)	(1,090,566.63)	(1,114,763.19)	(621,208.27)	302,055.86	1,456,551.52	2,537,816.97	2,742,602.15	3,434,742.38	3,852,539.90	
2. Ending True up before Interest	(1,985,294.49)	(1,462,075.71)	(1,090,470.90)	(1,114,914.76)	(621,238.01)	302,067.83	1,456,481.91	2,537,633.90	2,742,338.14	3,434,420.66	3,852,130.01	3,606,418.90	
3. Total beginning & ending	(4,629,419.22)	(3,447,563.09)	(2,552,683.08)	(2,205,481.39)	(1,736,001.20)	(319,140.44)	1,758,537.77	3,994,185.42	5,280,155.11	6,177,022.81	7,286,872.39	7,458,958.80	
4. Average True up Amount	(2,314,709.61)	(1,723,781.55)	(1,276,341.54)	(1,102,740.70)	(868,000.60)	(159,570.22)	879,268.89	1,997,092.71	2,640,077.56	3,088,511.41	3,643,436.20	3,729,479.40	
5. Interest Rate First Day Reporting Business Month	0.1000	0.1000	0.0900	0.0900	0.0600	0.1000	0.0800	0.1100	0.1100	0.1300	0.1200	0.1500	
6. Interest Rate First Day Subsequent Business Month	0.1000	0.0900	0.0900	0.0600	0.1000	0.0800	0.1100	0.1100	0.1300	0.1200	0.1500	0.4000	
7. Total of Lines 5 and 6	0.2000	0.1900	0.1800	0.1500	0.1600	0.1800	0.1900	0.2200	0.2400	0.2500	0.2700	0.5500	
8. Average Interest rate (50% of Line 7)	0.1000	0.0950	0.0900	0.0750	0.0800	0.0900	0.0950	0.1100	0.1200	0.1250	0.1350	0.2750	
9. Monthly Average Interest Rate Line 8 \ 12	0.000083	0.000079	0.000075	0.000063	0.000067	0.000075	0.000079	0.000092	0.000100	0.000104	0.000113	0.000229	
10. Interest Adjustment													
11. Interest Provision (Line 4 X 9)	(192.89)	(136.47)	(95.73)	(68.92)	(57.87)	(11.97)	69.61	183.07	264.01	321.72	409.89	854.67	1,539.12

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Schedule of Capital Investment, Depreciation and Return
Energy Select**

Line No.	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Investments Added to Plant In Service (Net of Retirements)		261,439.70	8,603.93	72,702.51	120,383.83	39,519.28	(42,859.95)	215,348.67	112,704.70	99,937.96	253,669.52	162,369.17	19,106.75	
2	Depreciable Base (Cumulative Plant Additions PM Ln 2 + CM Ln 1)	12,233,352.53	12,494,792.23	12,503,396.16	12,576,098.67	12,696,482.50	12,736,001.78	12,693,141.83	12,908,490.50	13,021,195.20	13,121,133.16	13,374,802.68	13,537,171.85	13,556,278.60	
3	Depreciation Expense (Note A)		28,136.71	28,738.02	28,757.81	28,925.03	29,201.91	29,292.80	29,194.23	29,689.53	29,948.75	30,178.61	30,762.05	31,135.50	353,960.95
4	Salvage, Cost of Removal and Retirement		10,931.94	(116,825.94)	(82,236.47)	(57,443.56)	(63,852.18)	(69,491.66)	(76,603.54)	(120,500.46)	(95,087.44)	13,156.59	6,092.95	(120,220.71)	
5	Less: Accum. Depr, COR and Sal. (PM Ln 5 + CM Ln 3 + 4)	(7,002,632.07)	(6,963,563.42)	(7,051,651.34)	(7,105,130.00)	(7,133,648.53)	(7,168,298.80)	(7,208,497.66)	(7,255,906.97)	(7,346,717.90)	(7,411,856.59)	(7,368,521.39)	(7,331,666.39)	(7,420,751.60)	
6	Net Plant In Service (CM Ln 2 - CM Ln 5)	19,235,984.60	19,458,355.65	19,555,047.50	19,681,228.67	19,830,131.03	19,904,300.58	19,901,639.49	20,164,397.47	20,367,913.10	20,532,989.75	20,743,324.07	20,868,838.24	20,977,030.20	
7	Net Additions/Reductions to CWIP	75,000.00	(75,000.00)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	CWIP Balance (PM Ln 8 + CM Ln 7)	75,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	Inventory	863,556.06	1,180,709.69	1,328,065.97	1,234,824.01	1,271,568.57	1,321,315.82	1,497,996.81	1,596,353.30	1,966,616.97	1,850,131.72	1,700,236.46	1,437,389.50	1,452,475.81	
10	Net Investment (CM Ln 6 + CM Ln 8 + CM Ln 9)	20,174,540.66	20,639,065.34	20,883,113.47	20,916,052.68	21,101,699.60	21,225,616.40	21,399,636.30	21,760,750.77	22,334,530.07	22,383,121.47	22,443,560.53	22,306,227.74	22,429,506.01	
11	Average Net Investment (PM Ln 10 + CM Ln 10)/2		20,406,803.00	20,761,089.41	20,899,583.08	21,008,876.14	21,163,658.00	21,312,626.35	21,580,193.54	22,047,640.42	22,358,825.77	22,413,341.00	22,374,894.14	22,367,866.88	
12	Rate of Return / 12 (Note B)		0.006942	0.006942	0.006942	0.006942	0.006942	0.006942	0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	
13	Return Requirement on Average Net Investment (CM Ln 11 * CM Ln 12)		141,664.03	144,123.48	145,084.91	145,843.62	146,918.11	147,952.25	147,155.34	150,342.86	152,464.83	152,836.57	152,574.40	152,526.48	1,779,486.88
14	Property Tax		9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.74	9,022.70	108,272.84
15	Total Depreciation, Prop Taxes & Return (CM Ln 3 + CM Ln 13 + CM Ln 14)		178,823.48	181,884.24	182,865.46	183,791.39	185,142.76	186,267.79	185,372.31	189,055.13	191,436.32	192,037.92	192,359.19	192,684.68	2,241,720.67

Notes:
(A) Energy Select Property Additions Depreciated at 2.8% per year
(B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.3302%; Jul - Dec 8.1828%.

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Schedule of Capital Investment, Depreciation and Return
Residential Energy Survey Displays**

Line No.	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Investments Added to Plant In Service (Net of Retirements)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Depreciable Base (Cumulative Plant Additions PM Ln 2 + CM Ln 1)	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	
3	Depreciation Expense (Note A)		164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	1,973.52
4	Retirements		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Salvage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	Less: Accum. Depr, COR and Sal. (PM Ln 6 + CM Ln 3 + 4 + 5)	9,867.60	10,032.06	10,196.52	10,360.98	10,525.44	10,689.90	10,854.36	11,018.82	11,183.28	11,347.74	11,512.20	11,676.66	11,841.12	
7	Net Plant In Service (CM Ln 2 - CM Ln 6)	3,946.77	3,782.31	3,617.85	3,453.39	3,288.93	3,124.47	2,960.01	2,795.55	2,631.09	2,466.63	2,302.17	2,137.71	1,973.25	
8	Net Additions/Reductions to CWIP	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	
9	CWIP Balance (PM Ln 9 + CM Ln 8)	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	
10	Inventory														
11	Net Investment (CM Ln 7 + CM Ln 9 + CM Ln 10)	3,946.77	3,782.31	3,617.85	3,453.39	3,288.93	3,124.47	2,960.01	2,795.55	2,631.09	2,466.63	2,302.17	2,137.71	1,973.25	
12	Average Net Investment (PM Ln 11 + CM Ln 11)/2		3,864.54	3,700.08	3,535.62	3,371.16	3,206.70	3,042.24	2,877.78	2,713.32	2,548.86	2,384.40	2,219.94	2,055.48	
13	Rate of Return / 12 (Note B)		0.006942	0.006942	0.006942	0.006942	0.006942	0.006942	0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	
14	Return Requirement on Average Net Investment (CM Ln 12 * CM Ln 13)		26.83	25.69	24.54	23.40	22.26	21.12	19.62	18.50	17.38	16.26	15.14	14.02	244.76
15	Property Tax		8.97	8.97	8.97	8.97	8.97	8.97	8.97	8.97	8.97	8.97	8.97	9.00	107.67
16	Total Depreciation, Prop Taxes & Return (CM Ln 3 + CM Ln 14 + CM Ln 15)		200.26	199.12	197.97	196.83	195.69	194.55	193.05	191.93	190.81	189.69	188.57	187.48	2,325.95

Notes:
(A) Displays are Seven year Property 1.1905% per month.
(B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.3302%; Jul - Dec 8.1828%.

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2015 - December 2015

**Schedule of Capital Investment, Depreciation and Return
Thermal Imaging Tools**

Line No.	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Investments Added to Plant In Service (Net of Retirements)		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Depreciable Base (Cumulative Plant Additions PM Ln 2 + CM Ln 1)	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	
3	Depreciation Expense (Note A)		543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	6,521.88
4	Retirements		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	Salvage		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	Less: Accum. Depr, COR and Sal. (PM Ln 6 + CM Ln 3 + 4 + 5)	32,609.16	33,152.65	33,696.14	34,239.63	34,783.12	35,326.61	35,870.10	36,413.59	36,957.08	37,500.57	38,044.06	38,587.55	39,131.04	
7	Net Plant In Service (CM Ln 2 - CM Ln 6)	13,043.54	12,500.05	11,956.56	11,413.07	10,869.58	10,326.09	9,782.60	9,239.11	8,695.62	8,152.13	7,608.64	7,065.15	6,521.66	
8	Net Additions/Reductions to CWIP	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	
9	CWIP Balance (PM Ln 9 + CM Ln 8)	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	
10	Inventory														
11	Net Investment (CM Ln 7 + CM Ln 9 + CM Ln 10)	13,043.54	12,500.05	11,956.56	11,413.07	10,869.58	10,326.09	9,782.60	9,239.11	8,695.62	8,152.13	7,608.64	7,065.15	6,521.66	
12	Average Net Investment (PM Ln 11 + CM Ln 11)/2		12,771.80	12,228.31	11,684.82	11,141.33	10,597.84	10,054.35	9,510.86	8,967.37	8,423.88	7,880.39	7,336.90	6,793.41	
13	Rate of Return / 12 (Note B)		0.006942	0.006942	0.006942	0.006942	0.006942	0.006942	0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	
14	Return Requirement on Average Net Investment (CM Ln 12 * CM Ln 13)		88.66	84.89	81.12	77.34	73.57	69.80	64.85	61.15	57.44	53.74	50.03	46.32	808.91
15	Property Tax		29.65	29.65	29.65	29.65	29.65	29.65	29.65	29.65	29.65	29.65	29.65	29.63	355.78
16	Total Depreciation, Prop Taxes & Return (CM Ln 3 + CM Ln 14 + CM Ln 15)		661.80	658.03	654.26	650.48	646.71	642.94	637.99	634.29	630.58	626.88	623.17	619.44	7,686.57

Notes:
(A) Thermal Imaging Tools are Seven year Property 1.1905% per month.
(B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.3302%; Jul - Dec 8.1828%.

CT-5

GULF POWER COMPANY

Reconciliation and Explanation of
Differences Between Filing and FPSC Audit
Report for Months, January, 2015 through December, 2015

The audit has not been completed as of the date of this Filing.

Program Description and Progress

Program Title: Residential Energy Audit and Education

Program Description: This program is the primary educational program to help customers improve the energy efficiency of their new or existing home through energy conservation advice and information that encourages the implementation of efficiency measures and behaviors resulting in energy and utility bill savings.

Program Accomplishments: During 2015, Gulf performed 7,438 energy audits. These included 2,632 online audits, 2,163 in home audits and 2,643 pre-construction audits.

Gulf provided professional development in energy-related science and math for 56 elementary, middle and high school teachers who reach an estimated 6,200 students. These teachers received continuing education credits as well as hands-on energy, efficiency and renewable energy classroom materials and curriculum. Another 40 teachers received the classroom materials and curriculum. Gulf provided training of instructors in partnership with the FSU Panama City STEM institute's Summer Camp program that reached approximately 300 8th – 12th grade students. Estimated reach through all of these programs is nearly 6,500 students.

Gulf coordinated monthly activities with student energy teams at two schools, measuring energy use at the school and created a plan to use energy wisely at school and home.

Gulf continued to provide energy-related onsite and material support for two hands-on interactive science museums which each average 100 attendees daily throughout the year.

Program Fiscal Expenditures: For 2015, Gulf projected \$2,170,763 of expenses compared to actual expenses of \$2,145,659 resulting in a variance of \$25,104 or 1.2% under the projection.

Program Progress Summary: Since the approval of this program, Gulf Power Company has performed 222,795 residential energy surveys.

Program Description and Progress

Program Title: Community Energy Saver Program

Program Description: This program assists low-income families with managing their energy costs. Through this program, qualifying customers receive the direct installation of conservation measures at no cost to them. The program also educates families on energy efficiency techniques and behavioral changes to help control their energy use and reduce their electricity expenses.

Program Accomplishments: During 2015, 2,751 of Gulf's customers received the measures included in this program compared to a projection of 2,500 participants, a difference of 251 over the projection.

Program Fiscal Expenditures: For 2015, Gulf projected expenses for this program of \$798,108 compared to actual expenses of \$833,815 resulting in a variance of \$35,707 or 4.5% over the projection.

Program Progress Summary: A total of 12,505 customers have received the efficiency measures included in the Community Energy Saver program since the program's launch in 2011.

Program Description and Progress

Program Title: Landlord/Renter Custom Incentive Program

Program Description: This program is designed to increase energy efficiency in the residential rental property sector. This program promotes the installation of various energy efficiency measures available through other programs, such as HVAC, insulation, windows, water heating, lighting, and appliances. Additional incentives will be included, as appropriate, to overcome the split-incentive barrier which exists in a landlord/renter situation. Moreover, this program promotes the installation of measures included in the Community Energy Saver Program by the landlord of multi-family properties. With the implementation of the 2015 DSM Plan, this program will be retitled the Residential Custom Incentive.

Program Accomplishments: During 2015, no participants enrolled in this program. While there were no participants recorded in this year, Gulf continues to work with customers in the rental property sector. These efforts have resulted in increased participation in other Conservation programs (i.e., HVAC, insulation, etc.) offered by the Company.

Program Fiscal Expenditures: During 2015, \$66,752 in expenses were projected, compared to actual expenses of \$44,072 resulting in a variance of \$22,680 or 34.0% under the projection.

Program Progress Summary: Since its launch in 2011, one customer has participated in the Landlord/Renter Custom Incentive program.

Program Description and Progress

Program Title: HVAC Efficiency Improvement Program

Program Description: This program is designed to increase energy efficiency and improve HVAC cooling system performance for new and existing homes. These efficiencies are realized through:

- HVAC maintenance
- Duct repair
- HVAC Quality Installation (New for the 2015 DSM Plan)
- HVAC early retirement (for inefficient systems) (This measure will not be continued in the 2015 DSM Plan.)
- HVAC upgrades (This measure will not be continued in the 2015 DSM Plan.)
- Retrofit of an electronically commutated motor (ECM) fan on existing HVAC systems (This measure will not be continued in the 2015 DSM Plan.)

Program Accomplishments: During 2015, compared to the projection for 2015, the following participation was achieved:

Measure	2015 Year End Projection	2015 Actual Participation	Variance
HVAC maintenance	8,206	6,713	(1,493)
HVAC early retirement Tier One	895	1,102	207
HVAC early retirement Tier Two	653	770	117
HVAC early retirement Tier Three	33	113	80
HVAC upgrades Tier One	249	249	0
HVAC upgrades Tier Two	113	87	(26)
HVAC upgrades Tier Three	72	39	(33)
Duct repair	4,600	3,734	(866)
ECM Fan	0	0	0

Program Fiscal Expenditures: – For 2015, Gulf projected \$5,288,781 in expenses compared to actual expenses of \$5,466,749 resulting in a variance of \$177,968 or 3.4% over the projection.

Program Progress Summary: Since its launch in 2013, the following participation has been achieved:

- HVAC maintenance - 32,773
- HVAC early retirement - Tier One – 4,347
- HVAC early retirement - Tier Two – 2,955
- HVAC early retirement - Tier Three – 240
- HVAC upgrades - Tier One – 1,058

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- HVAC upgrades - Tier Two – 626
- HVAC upgrades - Tier Three – 357
- Duct repair - 19,892
- ECM Fan - 6

Program Description and Progress

Program Title: Residential Building Efficiency Program

Program Description: The Residential Building Efficiency Program is designed as an umbrella efficiency program for existing and new residential customers to encourage the installation of eligible equipment and materials as a means of reducing energy and demand. The goals of the program are to increase awareness and customer demand for energy saving measures; to increase availability and market penetration; and to contribute toward long-term energy savings and peak demand reductions.

- High Performance Windows
- Reflective Roof
- ENERGY STAR Window A/C

Program Accomplishments: Actual participation (through July 2015) and the 2015 year end projected participation are shown in the following table:

Measure	2015 Year End Projection	2015 Actual Participation	Variance
High Performance Windows	806	858	52
Reflective Roof	228	215	(13)
ENERGY STAR Window A/C	250	283	33

Program Fiscal Expenditures: Actual and projected expenses for 2015 are reported for the individual measures listed above in the Schedule CT-6 pages that follow.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
High Performance Windows	4,448
Reflective Roof	1,088
ENERGY STAR Window A/C	794

Program Description and Progress

Program Title: Heat Pump Water Heater Program

Program Description: This program provides incentives directly to the customer for the installation of high-efficiency Heat Pump Water Heating equipment for domestic hot water production.

Program Accomplishments: During 2015, 298 customers participated in this program compared to a projection of 227 for a variance of 71 more participants than projected. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: For the 2015 reporting period, \$139,014 in expenses were projected, compared to actual expenses of \$169,787 resulting in a variance of \$30,773, or 22.1% over the projection.

Program Progress Summary: Since its launch in 2011, 3,952 customers have participated in this program.

Program Description and Progress

Program Title: Ceiling Insulation Program

Program Description: This program provides incentives to encourage customers to install high efficiency insulation or increase insulation in existing residential single-family and multi-family homes. The objective of this program is to reduce heat loss and heat gain from both conductive and convective means through increased insulation.

Program Accomplishments: During 2015, 338 customers participated in this program. The projection for 2015 was 232 participants resulting in a variance of 106 more participants than projected. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: For 2015, Gulf projected \$81,965 in expenses compared to actual expenses of \$111,172 resulting in a variance of \$29,207 or 35.6% over the projection.

Program Progress Summary: Since its launch in 2011, 2,292 customers have participated in this program.

Program Description and Progress

Program Title: High Performance Window Program

Program Description: This program provides incentives to install high-efficiency windows or window film in existing or new residential applications. The objective of the program is to reduce solar heat gain into a home which, in turn, leads to reduced HVAC loads and operating costs.

Program Accomplishments: During 2015, 762 customers installed high-efficiency windows, and 96 customers installed window film as part of this program. Projections for 2015 were 737 and 69 participants respectively, resulting in 25 more window participants and 27 more window film participants than projected. In the 2015 DSM Plan, this program will be included as a measure in the Residential Building Efficiency program.

Program Fiscal Expenditures: For 2015, Gulf projected \$205,726 in expenses compared to actual expenses of \$165,170 resulting in a variance of \$40,556, or 19.7% under the projection.

Program Progress Summary: Since its launch in 2011, 3,894 customers have installed high-efficiency windows and 554 customers have installed window film as part of this program.

Program Description and Progress

Program Title: Reflective Roof Program

Program Description: This program provides incentives to install ENERGY STAR qualified cool/reflective roofing products when constructing a new home or replacing the roof on an existing residence. The objective of this program is to significantly decrease the amount of heat that is transferred through roof assemblies and into vented attic spaces which, in turn, decreases the transfer of heat into the home's conditioned living area.

Program Accomplishments: During 2015, 215 customers participated in this program compared to the projection of 228 or 13 participants under the projection. In the 2015 DSM Plan, this program will be included as a measure in the Residential Building Efficiency program.

Program Fiscal Expenditures: For 2015, \$238,040 in expenses was projected compared to \$155,081 in actual expenses resulting in a variance of \$82,959 or 34.9% under the projection.

Program Progress Summary: Since its launch in 2011, 1,088 customers have participated in this program.

Program Description and Progress

Program Title: Variable Speed/Flow Pool Pump Program

Program Description: This program provides an incentive to encourage the installation of high-efficiency variable speed or variable flow pool pumping and control equipment in both new and existing residential applications. The objective of this program is to reduce the energy, demand, and cost associated with swimming pool operation.

Program Accomplishments: During 2015, 223 customers installed a variable speed pool pump compared to the projection of 174 or 49 over the projection. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: The 2015 projection for this program was \$96,184 compared to actual expenses of \$103,474 resulting in a variance of \$7,290, or 7.6% over the projection.

Program Progress Summary: Since its launch in 2011, 6,362 customers have participated in this program.

Program Description and Progress

Program Title: Energy *Select*

Program Description: The overall program is designed to provide customers with a means of controlling their energy purchases by conveniently programming their heating and cooling systems and major appliances, such as electric water heaters and pool pumps, to respond automatically to prices that vary during the day and by season in relation to the Company's cost of producing or purchasing energy.

Program Accomplishments: During 2015, the Energy *Select* program experienced a net addition of 1,866 participants compared to a projection of 1,929 or 63 under the projection.

Program Fiscal Expenditures: During 2015, there were projected expenses of \$6,100,386 compared with actual expenses of \$6,162,948. This results in a deviation of \$62,562 or 1.0% over the projection.

Program Progress Summary: As of December 2015, there were 16,247 participating customers.

Program Description and Progress

Program Title: Self-Install Energy Efficiency Program

Program Description: This program promotes the purchase and installation of ENERGY STAR rated appliances for residential customers. The program focuses on increasing customer awareness of the benefits of energy efficient technologies and products through customer education and retail partnerships.

Program Accomplishments: During 2015, 1,974 customers installed qualifying ENERGY STAR appliances. These include 754 ENERGY STAR Refrigerators, 44 ENERGY STAR Freezers, 283 ENERGY STAR Window A/Cs, 893 ENERGY STAR Clothes Washers. The projection for 2015 was 2,040 ENERGY STAR appliances resulting in a variance of 66 fewer participants than the projection. This program is not continued in the 2015 DSM Plan; however, the ENERGY STAR Window A/C measure is incorporated into the new Residential Building Efficiency program.

Program Fiscal Expenditures: For 2015, program expenses were projected to be \$171,599 compared to actual expenses of \$153,083 resulting in a variance of \$18,516 or 10.8% under the projection.

Program Progress Summary: Since its launch in 2011, 14,480 customers have installed ENERGY STAR appliances as part this program. These include 6,629 ENERGY STAR Refrigerators, 469 ENERGY STAR Freezers, 794 ENERGY STAR Window A/Cs and 6,588 ENERGY STAR Clothes Washers. Additionally, 80,846 CFLs were distributed as a part of this program.

Program Description and Progress

Program Title: Refrigerator Recycling Program

Program Description: This program is intended to eliminate inefficient or extraneous refrigerators in an environmentally safe manner and produce cost-effective long-term energy and peak demand savings in the residential sector. The objectives of the program are to increase customer awareness of the economic and environmental costs associated with running inefficient, older appliances in a household and to encourage their removal by providing eligible customers with free refrigerator and freezer pick-up services, along with a cash incentive.

Program Accomplishments: During 2015, no customers participated in this program, and none were projected. Due to low participation in previous years, Gulf's vendor for the program discontinued offering pick-up services, and Gulf was unable to find an alternate provider during the program year. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: During 2015, expenses were projected to be \$9,617 compared to actual expenses of \$10,604 resulting in a variance of \$987 or 10.3% over the projection.

Program Progress Summary: Since its launch in 2011, 3,764 customers have participated in this program.

Program Description and Progress

Program Title: Commercial/Industrial Audit

Program Description: This program is designed to provide professional advice to Gulf's existing commercial and industrial customers on how to reduce, and make the most efficient use of, energy. This program covers from the smallest commercial customer, requiring only a walk-through survey, to the use of computer programs which will simulate several design options for very large, energy-intensive customers. Customers may participate by requesting a basic Energy Analysis Audit (EAA) provided through either an on-site survey or a direct mail survey. A more comprehensive analysis can be provided by conducting a Technical Assistance Audit (TAA).

Program Accomplishments: During 2015, the Company performed 452 commercial/industrial audits. The total projection for 2015 was 497 audits for a variance of 45 fewer participants than projected.

Program Fiscal Expenditures: For 2015, Gulf projected expenses of \$628,491 compared to actual expenses of \$632,555 for a deviation of \$4,064 or 0.6% over budget.

Program Progress Summary: Since this program was launched, 22,372 commercial/industrial audits have been performed.

Program Description and Progress

Program Title: Commercial HVAC Retrocommissioning Program

Program Description: This program offers basic retrocommissioning at a reduced cost for qualifying installations of existing commercial and industrial customers. It is designed to diagnose the performance of the HVAC cooling unit(s) operating in commercial buildings with the support of an independent computerized quality control process and to make improvements to the system to bring it to full efficiency. This program includes air cooled and water cooled equipment – identified as A/C, heat pump, direct expansion (DX) or geothermal cooling and heating.

Program Accomplishments: During 2015, 23 customers participated in this program compared to a projection of 29 participants resulting in a variance of 6 fewer participants than projected.

Program Fiscal Expenditures: For 2015, the Company projected \$30,816 in program expenses compared to actual expenses of \$30,239 resulting in a variance of \$577 or 1.9% under the projection.

Program Progress Summary: Since its launch in 2011, 971 customers have participated in this program.

Program Description and Progress

Program Title: Commercial Building Efficiency Program

Program Description: This program is designed as an umbrella efficiency program for existing commercial and industrial customers to encourage the installation of eligible high-efficiency equipment as a means of reducing energy and demand. The goals of the program are to increase awareness and customer demand for high-efficiency, energy-saving equipment; increase availability and market penetration of energy efficient equipment; and contribute toward long-term energy savings and peak demand reductions. These goals will be accomplished through commercial geothermal heat pumps, ceiling/roof insulation, and reflective roofs. The following measures are not continued in the 2015 DSM Plan; HVAC efficiency upgrades, heat pump water heater installations, window film installation, interior lighting improvements and commercial occupancy sensors.

Program Accomplishments: During 2015, compared to the 2015 projection, the measures in this program have had the following participation:

Program	Annual Projections (2015)	Actual Participation (2015)	Variance
Commercial HVAC (tons of installed HVAC)	1,049	1,296	247
Commercial Geothermal Heat Pump (tons of installed HVAC)	60	37	(23)
Heat Pump Water Heater	0	0	0
Ceiling/Roof Insulation (square feet)	14,590	29,066	14,476
Window Film (square feet)	706	2,503	1,797
Commercial Interior Lighting (kW)	1,687	2,019	332
Commercial Occupancy Sensor	0	283	283
Commercial Reflective Roof (square feet)	293,599	230,566	(63,033)

Program Fiscal Expenditures: During the reporting period, Gulf projected \$749,128 in expenses compared to actual expenses of \$841,105 for a variance of \$91,977 or 12.3% over the projection.

Program Progress Summary: Since its launch in 2011, customer participation is shown in the table below.

Program	Program to Date Participation
Commercial HVAC (tons of installed HVAC)	7,326
Commercial Geothermal Heat Pump (tons of installed HVAC)	528
Heat Pump Water Heater	3
Ceiling/Roof Insulation (square feet)	327,452
Window Film (square feet)	36,293
Commercial Interior Lighting (kW)	7,067
Commercial Occupancy Sensor	10,061
Commercial Reflective Roof (square feet)	3,005,158

Program Description and Progress

Program Title: HVAC Occupancy Sensor

Program Description: This program is intended to help manage energy consumption and reduce energy waste in hotel rooms by providing hotel owners in Gulf Power's service area the opportunity to automatically control temperature settings in hotel rooms when the rooms are unoccupied.

Program Accomplishments: During 2015, no customers participated in this program and none were projected. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$13,766 compared to actual expenses of \$17,076 resulting in a variance of \$3,310 or 24.0% over the projection.

Program Progress Summary: Since its launch in 2011, 5,418 HVAC occupancy sensors have been installed as part of the HVAC Occupancy Sensor program.

Program Description and Progress

Program Title: High Efficiency Motor Program

Program Description: This program is designed to encourage commercial and industrial customers to install premium-efficiency motors in new or existing facilities. The objective is to reduce demand and energy associated with electric motors by encouraging the replacement of worn out, inefficient motors with high efficiency motors.

Program Accomplishments: During 2015, 623 horsepower (HP) of energy efficient motors were installed compared to a projection of 712 HP, or 89 HP below the projection. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$14,989 compared to actual expenses of \$15,081 resulting in a variance of \$92 or 0.6% over the projection.

Program Progress Summary: Since its launch in 2011, customers have installed 5,146 HP in energy efficiency motors.

Program Description and Progress

Program Title: Food Service Efficiency Program

Program Description: This program encourages the installation of ENERGY STAR qualified or equivalent energy efficient commercial and industrial food service equipment. The objectives of the program are to reduce energy consumption and demand, as well as operating costs for the customer through the use of qualified food service equipment including convection ovens, fryers, griddles, steamers, holding cabinets and ice machines.

Program Accomplishments: During 2015, 25 participants enrolled in this program in comparison to a total projection of 29 participants. Qualified installed equipment included 12 Fryers, 1 Griddle, and 12 Ice Machines. No Convection Ovens, Steamers, or Holding Cabinets were installed. This program is not continued in the 2015 DSM Plan.

Program Fiscal Expenditures: During the reporting period, Gulf projected expenses of \$27,277 compared to actual expenses of \$27,760 resulting in a variance of \$483 or 1.8% over the projection.

Program Progress Summary: Since its launch in 2011, 100 customers have participated in the Food Service Efficiency program.

Program Description and Progress

Program Title: Commercial/Industrial Custom Incentive

Program Description: This program is designed to establish the capability and process to offer advanced energy services and energy efficient end-user equipment to Commercial/Industrial customers. These energy services include comprehensive audits, design, and construction of energy conservation projects. Specifically, projects covered under this program would be demand reduction or efficiency improvement retrofits that are beyond the scope of other programs.

Program Accomplishments: During 2015, no customers participated in this program, and none were projected.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$16,226 compared to actual expenses of \$13,799 resulting in a variance of \$2,427, or 15.0% under the projection.

Program Progress Summary: Since its launch in 2011, 15 customers have participated in the Commercial/Industrial Custom Incentive program resulting in at the meter kWh reductions of 7,070,333, winter kW reductions of 741 and summer kW reductions of 1,151.

Program Description and Progress

Program Title: Renewable Energy

Program Description: The Renewable Energy Program promotes the deployment of demand-side renewable technologies through a portfolio of four programs. These programs include providing capital to supplement deployment of Solar Photovoltaic (PV) systems up to 10 kW in public education facilities (Solar for Schools), offering PV rebates and solar thermal water heating (STWH) rebates to customers installing qualifying systems, and facilitating the installation of STWH systems in low-income housing units.

Program Accomplishments: This program is not continued in the 2015 DSM Plan. During 2015, the following participation occurred in this program:

- Solar for Schools – Gulf completed the installation of one 10kW solar PV system at a public education facility served by Gulf Power. Installation was completed in November 2015.
- Solar PV (residential and commercial) – 52 customers completed the installation of a qualifying solar PV system and received an incentive.
- Solar Thermal Water Heating – 21 customers completed the installation of a qualifying solar thermal water heating system and received an incentive.
- Solar Thermal Water Heating for Low Income – Gulf completed the installation of 13 qualifying solar thermal water heating systems in low-income residential housing units for 2015. The program provided the full installation cost for the installations in residences owned and managed by the Escambia County Area Housing Commission.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$841,658 compared to actual expenses of \$795,828 resulting in a variance of \$45,830 or 5.4% under the projection.

Program Progress Summary: Since its launch in 2011, participation is as follows:

Measure	Program Participation (Program to Date)
Solar for Schools	3 PV Systems Installed
Solar PV (Residential and Commercial)	234 PV Systems Installed
Solar Thermal Water Heater (STWH)	126 STWH Systems Installed
Solar Thermal Water Heater for Low Income	57 STWH Systems Installed

Program Description and Progress

Program Title: Residential Service Time of Use Pilot Program

Program Description: The Residential Service Time of Use (RSTOU) rate pilot will provide residential customers the opportunity to use customer-owned equipment to respond automatically and take advantage of a variable pricing structure with a critical peak credit component. In order to control program expenses and facilitate monitoring and evaluation, the pilot will be offered to a group of approximately 400 residential customers who meet the program standards. In order to further encourage customers to utilize a qualifying Wi-Fi enabled thermostat, the RSTOU pilot will offer customers a per event credit for allowing their thermostat to automatically adjust the HVAC equipment settings during a critical event period. This option puts the customer in complete control of their energy purchase without utility owned equipment. The objective of this pilot is to measure customer's response to a variable price rate with customer owned equipment. Customers will have an opportunity for additional savings by shifting energy purchases to the lower priced periods, while providing peak demand reduction during the high and critical periods.

Program Accomplishments: This pilot is a new program included in the 2015 DSM Plan and was projected to start in the fall of 2015. Due to program development delays, the program launch was shifted to February 2016. In the fall of 2015 the Company was able to secure contracts with the following vendors:

- Ecobee - thermostat provider
- New South Research- customer surveying
- EPRI (Electric Power Research Institute) - data analysis and reporting.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$181,250 compared to actual expenses of \$0 resulting in a variance of \$181,250 or 100.0% under the projection.

Program Progress Summary: Since its launch in 2015, 0 customers have participated in the Residential Service Time of Use Pilot Program.

Program Description and Progress

Program Title: Conservation Demonstration and Development

Program Description: A package of conservation programs was approved by the FPSC in Order No. 23561 for Gulf Power Company to explore and to pursue research, development, and demonstration projects designed to promote energy efficiency and conservation. This program serves as an umbrella program for the identification, development, demonstration and evaluation of new or emerging end-use technologies.

Program Accomplishments:

UWF BEST House

Gulf Power entered into a partnership, along with a number of other donors, with the University of West Florida, located in Pensacola, Florida, to help build a facility to be used as an educational tool and resource for Northwest Florida.

The project, now known as The Community Outreach, Research and Education (C.O.R.E.) Initiative, is a center to explain and demonstrate the advantages of retrofitting existing homes for energy efficiency. The C.O.R.E facility is a multipurpose laboratory; a research lab, a trade demonstration area, a construction yard, and an interactive, energy efficiency and demonstration showcase. The C.O.R.E. facility promotes energy efficient construction through the innovative display of cutting-edge technology, and through community outreach and participation. The lab is available to students, industry professionals and the general public.

The facility accommodates a research initiative in an effort to measure the efficacy of different building technologies and installations. The C.O.R.E initiative is particularly interested in the metering and measurement of sealed attic spaces, roof types, walls forms, windows, water heaters, Heating, Ventilation and Air Conditioning (HVAC) equipment, renewable energy and controls systems. The construction yard and demonstration area provides a similar opportunity for materials research and community seminars.

A final report will be issued on this project by year-end 2016. Gulf Power will remain involved with C.O.R.E. as the primary energy consultant and may initiate future CDD projects as new technologies are introduced at the facility.

Azalea Trace Project

The purpose of this project was to test the application of a Heat Pump Water Heater in an assisted living facility. The project included the installation of a commercial size Heat Pump Water Heater (4-ton heating capacity), two 119 gallon storage tanks and distribution duct work. The HPWH unit provides preheated water (140 degrees F) to the existing natural gas boilers. In turn, the boilers feed the existing 350 gallon storage tank supplying hot water to the washers.

The project has provided a database for the application of the HPWH in this type facility. No data was on record within Gulf Power for the HPWH application in an assisted living facility. The laundry operated 24-hours a day, 7-days a week. The data was used to promote energy efficient production of hot water, off-set the installation of additional air conditioning units and provide a better climatic working environment for the employees.

The values of the data recorded will be used to calculate the system amount of “free” A/C cooling, the effect on the amount of natural gas used by the boilers, the electrical usage of the HPWH and the overall energy efficiency of the system.

The data will illustrate the efficient use of a dual fuel application in a large commercial, 24-hour operating facility for the first time in Gulf’s service area.

The project was monitored for one year, and a full report will be submitted to the Commission by the end of 2016.

10th Ave North Hair Salon Heat Pump Water Heater Project (HPWH)

This project was used to determine if a residential HPWH can be used successfully in small commercial applications with high usage. As part of this project, a residential HPWH was installed and metered in a high water use commercial facility to determine the performance, reliability and economic return on investment. Gulf partnered with General Electric (GE) for this project. Two 50 gallon HPWH’s were installed with an Energy Factor of 2.4, which GE agreed to warranty as part of this project.

The project will continue to be monitored to the last quarter of 2016 and a full report will be submitted to the Commission by the end of the first quarter of 2017.

Program Fiscal Expenditures: Program expenses were forecasted at \$61,893 for the period January through December 2015 compared to actual expenses of \$66,829 for a deviation of \$4,936 or 8.0% over the projection. Project expenses were as follows: UWF BEST House, \$0; Azalea Trace Heat Pump Water Heater, \$6,424; and Hair Salon Heat Pump Water Heater Project, \$60,405.

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY CLAUSE
INDEX OF SCHEDULES

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 12
PARTY: GULF POWER COMPANY –
DIRECT
DESCRIPTION: John N. Floyd JNF-2

GULF POWER COMPANY
 ENERGY CONSERVATION CLAUSE
 SUMMARY OF PROJECTED COST RECOVERY CLAUSE CALCULATION
 For the Period: January, 2017 Through December, 2017

	\$
1. Net Program Costs: Projected for 2017 (Schedule C-2 Page 2 of 3, Line 15)	13,545,684
2. True Up: Estimated 2016 (Jan-Jun Actual; Jul-Dec Est.) (Schedule C-3, Page 3 of 7, Line 11)	3,313,402
3. Total (Line 1 + Line 2)	16,859,086
4. Cost Subject to Revenue Taxes	16,859,086
5. Revenue Tax	1.00072
6. Total Recoverable Cost	16,871,225

Program costs are split in proportion to the current period split of demand-related and energy-related costs, see below. The allocation of projected ECCR costs between demand and energy is shown on schedule C-2, page 2 of 3, and is consistent with the methodology set forth in FPSC Order No. PSC-93-1845-FOF-EG.

7. Total Cost	16,871,225
8. Energy Related Costs	12,862,714
9. Demand Related Costs (total)	4,008,511
10. Demand Costs Allocated on 12 CP	3,700,164
11. Demand Costs Allocated on 1/13 th	308,347

	Energy \$	Demand \$	Half of Energy \$	Total	Energy	Demand	Total Recoverable Costs Including Revenue Taxes
	\$	\$	\$	\$	\$	\$	\$
12. Est/Actual 2016	9,586,729	2,993,014	12,579,743	2,526,885	788,903	3,315,788	
13. Percentage	76.21%	23.79%	100.00%				
14. Projected 2017	10,328,392	3,217,292	13,545,684	10,335,829	3,219,608	13,555,437	
15. Percentage	76.25%	23.75%	100.00%				
16. Total				12,862,714	4,008,511	16,871,225	

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY FACTORS
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
For the Period: January, 2017 Through December, 2017

<u>Rate Class</u>	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>I</u>
	<u>Average 12 CP Load Factor at Meter</u>	<u>Jan - Dec 2017 Projected KWH Sales at Meter</u>	<u>Projected Avg 12 CP KW at Meter</u>	<u>Demand Loss Expansion Factor</u>	<u>Energy Loss Expansion Factor</u>	<u>Jan - Dec 2017 Projected KWH Sales at Generation</u>	<u>Projected Avg 12 CP KW at Generation</u>	<u>Jan - Dec 2017 Percentage of KWH Sales at Generation</u>	<u>Percentage of 12 CP KW Demand at Generation</u>
RS, RSVP, RSTOU	57.542346%	5,336,892,000	1,058,758	1.00820508	1.00777864	5,378,405,762	1,067,445	48.82364%	56.78016%
GS	63.463164%	292,139,000	52,549	1.00820395	1.00777656	294,410,836	52,980	2.67258%	2.81814%
GSD, GSDT, GSTOU	73.488079%	2,650,042,000	411,653	1.00800263	1.00762887	2,670,258,826	414,948	24.23985%	22.07213%
LP, LPT	82.760718%	887,729,000	122,448	0.97344897	0.98364378	873,209,109	119,197	7.92674%	6.34039%
PX, PXT, RTP, SBS	85.375300%	1,704,488,000	227,907	0.95247952	0.96644352	1,647,291,383	217,077	14.95364%	11.54687%
OS - I / II	416.652542%	104,060,000	2,851	1.00802086	1.00777465	104,869,030	2,874	0.95197%	0.15287%
OS-III	99.799021%	47,175,000	5,396	1.00838359	1.00778595	47,542,302	5,441	0.43158%	0.28944%
TOTAL		<u>11,022,525,000</u>	<u>1,881,563</u>			<u>11,015,987,248</u>	<u>1,879,962</u>	<u>100.00000%</u>	<u>100.00000%</u>

Notes:

Column A = Average 12 CP load factor based on actual 2015 load research data.
 Column C = Col B / (8760 hours x Col A), 8,760 is the number of hours in 12 months.
 Column F = Col B x Col E
 Column G = Col C x Col D
 Column H = Column F / Total Col F
 Column I = Column G / Total Col G

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY FACTORS
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
For the Period: January, 2017 Through December, 2017

<u>Rate Class</u>	<u>A</u> Jan - Dec 2017 Percentage of KWH Sales at Generation	<u>B</u> Percentage of 12 CP KW Demand at Generation	<u>C</u> Demand Allocation 12CP	<u>D</u> 1/13 th	<u>E</u> Energy Allocation	<u>F</u> Total Conservation Costs	<u>G</u> Jan - Dec 2017 Projected KWH Sales at Meter	<u>H</u> Conservation Recovery Factor cents per KWH
RS, RSVP, RSTOU	48.82364%	56.78016%	\$2,100,959	\$150,546	\$6,280,045	\$8,531,550	5,336,892,000	0.160
GS	2.67258%	2.81814%	104,276	8,241	343,766	456,283	292,139,000	0.156
GSD, GSDT, GSTOU	24.23985%	22.07213%	816,705	74,743	3,117,903	4,009,351	2,650,042,000	0.151
LP, LPT	7.92674%	6.34039%	234,605	24,442	1,019,594	1,278,641	887,729,000	0.144
PX, PXT, RTP, SBS	14.95364%	11.54687%	427,253	46,109	1,923,444	2,396,806	1,704,488,000	0.141
OS - I / II	0.95197%	0.15287%	5,656	2,935	122,449	131,040	104,060,000	0.126
OS-III	0.43158%	0.28944%	10,710	1,331	55,513	67,554	47,175,000	0.143
TOTAL	100.00000%	100.00000%	\$3,700,164	\$308,347	\$12,862,714	\$16,871,225	11,022,525,000	

Notes:

- A Obtained from Schedule C-1, page 2 of 3, column H
- B Obtained from Schedule C-1, page 2 of 3, column I
- C Total from C-1, page 1, line 10 * column B
- D Total from C-1, page 1, line 11 * column A
- E Total from C-1, page 1, line 8 * column A
- F Sum of columns C, D and E
- G Projected kWh sales for the period January 2017 through December 2017
- H Column F / G

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
PROJECTED CONSERVATION PROGRAM NET COSTS
For the Period: January, 2017 Through December, 2017

Programs	Depreciation, Return & Property Taxes	Payroll & Benefits	Materials Vehicles & Expenses	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Residential Conservation Programs:									
1. Residential Energy Audit and Education	0	1,473,518	472,041	0	350,000	0	2,295,559	0	2,295,559
2. Community Energy Saver	0	120,700	668,491	0	0	0	789,191	0	789,191
3. Residential Custom Incentive	0	38,114	28,209	0	0	50,000	116,323	0	116,323
4. HVAC Efficiency	0	300,386	722,158	0	0	275,000	1,297,544	0	1,297,544
5. Residential Building Efficiency	0	361,994	68,644	0	0	139,000	569,638	0	569,638
6. Energy <i>Select</i>	2,436,261	1,093,848	2,604,474	0	300,000	0	6,434,583	0	6,434,583
Subtotal	2,436,261	3,388,560	4,564,017	0	650,000	464,000	11,502,838	0	11,502,838
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Audit	0	741,654	134,032	0	0	0	875,686	0	875,686
8. HVAC Retrocommissioning	0	38,810	53,708	0	0	25,000	117,518	0	117,518
9. Commercial Building Efficiency	0	376,984	75,306	0	0	153,750	606,040	0	606,040
10. Commercial / Industrial Custom Incentive	0	48,238	28,114	0	0	50,000	126,352	0	126,352
Subtotal	0	1,205,686	291,160	0	0	228,750	1,725,596	0	1,725,596
11. Residential Time of Use Rate Pilot	0	10,305	56,945	0	0	0	67,250	0	67,250
12. Conservation Demonstration and Development	0	30,915	219,085	0	0	0	250,000	0	250,000
13. Total All Programs	2,436,261	4,635,466	5,131,207	0	650,000	692,750	13,545,684	0	13,545,684
14. Less: Base Rate Recovery	0	0	0	0	0	0	0	0	0
15. Net Program Costs	2,436,261	4,635,466	5,131,207	0	650,000	692,750	13,545,684	0	13,545,684

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
PROJECTED CONSERVATION PROGRAM COSTS (NET OF PROGRAM FEES)
For the Period: January, 2017 Through December, 2017

Programs

	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>12 MONTH TOTAL</u>	<u>DEMAND COSTS</u>	<u>ENERGY COSTS</u>
Residential Conservation Programs:															
1. Residential Energy Audit and Education	138,432	146,642	321,212	192,261	210,281	178,428	143,447	296,097	217,144	152,405	150,149	149,061	2,295,559		2,295,559
2. Community Energy Saver	42,950	77,464	59,364	58,457	123,223	65,824	80,200	68,655	59,583	67,783	62,357	23,331	789,191		789,191
3. Residential Custom Incentive	8,658	9,670	11,760	10,334	12,273	10,289	11,785	10,266	7,828	12,309	5,351	5,800	116,323		116,323
4. HVAC Efficiency	112,675	121,984	136,417	119,351	107,600	111,174	110,749	109,921	95,243	99,505	83,681	89,244	1,297,544		1,297,544
5. Residential Building Efficiency	44,328	42,458	59,725	42,980	46,138	45,419	59,704	43,628	62,697	44,941	39,464	38,156	569,638		569,638
6. Energy <i>Select</i>	486,604	493,486	545,635	604,192	506,440	538,715	502,935	624,297	562,473	513,575	513,545	542,686	6,434,583	3,217,292	3,217,291
Subtotal	833,647	891,704	1,134,113	1,027,575	1,005,955	949,849	908,820	1,152,864	1,004,968	890,518	854,547	848,278	11,502,838	3,217,292	8,285,546
Commercial / Industrial Conservation Programs:															
7. Commercial / Industrial Audit	63,748	65,629	100,862	68,171	67,254	66,895	66,944	67,381	96,217	76,224	67,693	68,668	875,686		875,686
8. HVAC Retrocommissioning	8,567	8,738	9,759	9,264	11,711	11,192	10,091	11,698	8,903	13,447	8,044	6,104	117,518		117,518
9. Commercial Building Efficiency	40,261	40,747	68,282	47,389	92,240	35,571	55,481	64,705	52,531	34,979	35,217	38,637	606,040		606,040
10. Commercial / Industrial Custom Incentive	9,405	10,421	12,924	11,109	13,048	11,065	12,561	11,041	8,992	13,084	6,126	6,576	126,352		126,352
Subtotal	121,981	125,535	191,827	135,933	184,253	124,723	145,077	154,825	166,643	137,734	117,080	119,985	1,725,596	0	1,725,596
11. Residential Time of Use Rate Pilot	5,604	5,604	5,604	5,604	5,605	5,605	5,604	5,604	5,604	5,604	5,604	5,604	67,250		67,250
12. Conservation Demonstration and Development	20,715	18,023	22,318	20,848	20,796	20,812	20,808	20,788	22,374	20,827	20,865	20,826	250,000		250,000
13. Total All Programs	981,947	1,040,866	1,353,862	1,189,960	1,216,609	1,100,989	1,080,309	1,334,081	1,199,589	1,054,683	998,096	994,693	13,545,684	3,217,292	10,328,392
14. Less: Base Rate Recovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15. Net Program Costs	981,947	1,040,866	1,353,862	1,189,960	1,216,609	1,100,989	1,080,309	1,334,081	1,199,589	1,054,683	998,096	994,693	13,545,684	3,217,292	10,328,392

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
Energy Select
For the Period: January, 2017 Through December, 2017

Line No.	Description	Beginning of Period	Projected January	Projected February	Projected March	Projected April	Projected May	Projected June	Projected July	Projected August	Projected Sept	Projected Oct	Projected Nov	Projected Dec	Total
1.	Additions to Plant In Service (Net of Retirements)		75,047	75,047	75,047	75,047	75,047	93,331	120,757	152,754	152,754	152,754	93,331	75,047	
2.	Depreciation Base	14,737,828	14,812,875	14,887,921	14,962,968	15,038,014	15,113,061	15,206,391	15,327,148	15,479,901	15,632,655	15,785,408	15,878,739	15,953,785	
3.	Depreciation Expense (A)		33,897	34,070	34,242	34,415	34,587	34,760	34,975	35,252	35,604	35,955	36,306	36,521	420,584
4.	Cumulative Plant in Service Additions	14,737,828	14,812,875	14,887,921	14,962,968	15,038,014	15,113,061	15,206,391	15,327,148	15,479,901	15,632,655	15,785,408	15,878,739	15,953,785	
5.	Salvage, Cost of Removal and Retirement		0	0	0	0	0	0	0	0	0	0	0	0	
6.	Less: Accumulated Depreciation	(7,905,158)	(7,871,261)	(7,837,191)	(7,802,949)	(7,768,534)	(7,733,947)	(7,699,187)	(7,664,212)	(7,628,960)	(7,593,356)	(7,557,401)	(7,521,095)	(7,484,574)	
7.	Net Plant in Service (Line 4 - 6)	22,642,986	22,684,136	22,725,112	22,765,917	22,806,548	22,847,008	22,905,578	22,991,360	23,108,861	23,226,011	23,342,809	23,399,834	23,438,359	
8.	Net Additions/Reductions to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	
9.	CWIP Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	
10.	Inventory	388,950	743,175	692,599	642,023	892,847	842,271	779,435	698,207	595,523	477,289	779,404	716,568	665,992	
11.	Net Investment (Line 7 + 9 + 10)	23,031,936	23,427,311	23,417,711	23,407,940	23,699,395	23,689,279	23,685,013	23,689,567	23,704,384	23,703,300	24,122,213	24,116,402	24,104,351	
12.	Average Net Investment		23,229,623	23,422,511	23,412,825	23,553,667	23,694,337	23,687,146	23,687,290	23,696,975	23,703,842	23,912,756	24,119,307	24,110,376	
13.	Rate of Return / 12 (Including Income Taxes) (B)		0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	
14.	Return Requirement on Average Net Investment		154,733	156,017	155,953	156,891	157,828	157,780	157,781	157,846	157,891	159,283	160,659	160,599	1,893,261
15.	Property Taxes		10,201	10,201	10,201	10,201	10,201	10,201	10,201	10,201	10,201	10,201	10,201	10,205	122,416
16.	Total Depreciation, Return and Property Taxes (Line 3+14+15)		198,831	200,288	200,396	201,507	202,616	202,741	202,957	203,299	203,696	205,439	207,166	207,325	2,436,261

Notes:

- (A) Energy Select Property Additions Depreciated at 2.8% per year.
- (B) Revenue Requirement Return (includes Income Taxes) is 7.9932%.

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2016 Through June, 2016, Actual
July, 2016 Through December 2016, Estimated

Actual	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials Vehicles & Expenses	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Residential Conservation Programs:									
1. Residential Energy Audit and Education									
a. Actual	4,743.74	755,327.31	168,877.32	0.00	135,941.59	0.00	1,064,889.96	0.00	1,064,889.96
b. Estimated July through December	4,567.48	755,327.00	222,877.00	0.00	214,058.41	0.00	1,196,829.89	0.00	1,196,829.89
c. Total	9,311.22	1,510,654.31	391,754.32	0.00	350,000.00	0.00	2,261,719.85	0.00	2,261,719.85
2. Community Energy Saver									
a. Actual	0.00	37,379.67	430,820.52	0.00	0.00	0.00	468,200.19	0.00	468,200.19
b. Estimated July through December	0.00	37,380.00	217,250.00	0.00	0.00	0.00	254,630.00	0.00	254,630.00
c. Total	0.00	74,759.67	648,070.52	0.00	0.00	0.00	722,830.19	0.00	722,830.19
3. Residential Custom Incentive									
a. Actual	0.00	22,801.56	1,671.43	0.00	0.00	0.00	24,472.99	0.00	24,472.99
b. Estimated July through December	0.00	22,802.00	1,671.00	0.00	0.00	50,000.00	74,473.00	0.00	74,473.00
c. Total	0.00	45,603.56	3,342.43	0.00	0.00	50,000.00	98,945.99	0.00	98,945.99
4. HVAC Efficiency									
a. Actual	0.00	143,757.61	329,056.90	0.00	262.50	377,057.00	850,134.01	0.00	850,134.01
b. Estimated July through December	0.00	143,758.00	242,885.00	0.00	0.00	108,000.00	494,643.00	0.00	494,643.00
c. Total	0.00	287,515.61	571,941.90	0.00	262.50	485,057.00	1,344,777.01	0.00	1,344,777.01
5. Residential Building Efficiency									
a. Actual	0.00	140,498.95	20,566.08	0.00	0.00	62,217.00	223,282.03	0.00	223,282.03
b. Estimated July through December	0.00	140,499.00	19,530.00	0.00	0.00	78,100.00	238,129.00	0.00	238,129.00
c. Total	0.00	280,997.95	40,096.08	0.00	0.00	140,317.00	461,411.03	0.00	461,411.03
6. Energy Select									
a. Actual	1,172,844.64	517,255.89	1,087,725.78	0.00	8,429.50	0.00	2,786,255.81	0.00	2,786,255.81
b. Estimated July through December	1,174,449.64	517,256.00	1,216,496.00	0.00	291,570.50	0.00	3,199,772.14	0.00	3,199,772.14
c. Total	2,347,294.28	1,034,511.89	2,304,221.78	0.00	300,000.00	0.00	5,986,027.95	0.00	5,986,027.95
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Energy Audit									
a. Actual	0.00	301,368.71	40,349.41	0.00	0.00	0.00	341,718.12	0.00	341,718.12
b. Estimated July through December	0.00	301,369.00	40,349.00	0.00	0.00	0.00	341,718.00	0.00	341,718.00
c. Total	0.00	602,737.71	80,698.41	0.00	0.00	0.00	683,436.12	0.00	683,436.12
8. HVAC Retrocommissioning									
a. Actual	0.00	25,029.69	7,468.78	0.00	0.00	695.00	33,193.47	0.00	33,193.47
b. Estimated July through December	0.00	25,030.00	4,609.00	0.00	0.00	3,000.00	32,639.00	0.00	32,639.00
c. Total	0.00	50,059.69	12,077.78	0.00	0.00	3,695.00	65,832.47	0.00	65,832.47

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2016 Through June, 2016, Actual
July, 2016 Through December 2016, Estimated

Actual	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials Vehicles & Expenses	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Commercial / Industrial Conservation Programs Continued:									
9. Commercial Building Efficiency									
a. Actual	0.00	154,709.83	21,761.39	0.00	0.00	5,207.20	181,678.42	0.00	181,678.42
b. Estimated July through December	0.00	154,710.00	21,870.00	0.00	0.00	18,250.00	194,830.00	0.00	194,830.00
c. Total	0.00	309,419.83	43,631.39	0.00	0.00	23,457.20	376,508.42	0.00	376,508.42
10. Commercial / Industrial Custom Incentive									
a. Actual	0.00	22,277.64	1,470.22	0.00	0.00	0.00	23,747.86	0.00	23,747.86
b. Estimated July through December	0.00	22,278.00	1,470.00	0.00	0.00	50,000.00	73,748.00	0.00	73,748.00
c. Total	0.00	44,555.64	2,940.22	0.00	0.00	50,000.00	97,495.86	0.00	97,495.86
11. Residential Time of Use Rate Pilot									
a. Actual	0.00	9,709.41	137,286.78	0.00	0.00	0.00	146,996.19	0.00	146,996.19
b. Estimated July through December	0.00	9,709.00	184,044.81	0.00	0.00	0.00	193,753.81	0.00	193,753.81
c. Total	0.00	19,418.41	321,331.59	0.00	0.00	0.00	340,750.00	0.00	340,750.00
12. Conservation Demonstration and Development:									
a. UWF Best House	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b. Azalea Trace Heat Pump Water Heater	0.00	956.41	78.64	0.00	0.00	0.00	1,035.05	0.00	1,035.05
c. 10th Ave Hair Salon Heat Pump Water Htr	0.00	2,869.26	6,215.95	0.00	0.00	0.00	9,085.21	0.00	9,085.21
d. Tesla Powerwall Demand Response	0.00	2,869.26	14,885.95	0.00	0.00	0.00	17,755.21	0.00	17,755.21
e. Tesla Powerwall Demand Photovoltaic	0.00	2,869.26	7,785.95	0.00	0.00	0.00	10,655.21	0.00	10,655.21
f. Total Actual	0.00	9,564.19	28,966.49	0.00	0.00	0.00	38,530.68	0.00	38,530.68
h. Estimated July through December	0.00	9,564.00	87,021.00	0.00	0.00	0.00	96,585.00	0.00	96,585.00
i. Total	0.00	19,128.19	115,987.49	0.00	0.00	0.00	135,115.68	0.00	135,115.68
13. Solar Thermal Water Heating									
a. Actual	0.00	0.00	5,000.00	0.00	0.00	0.00	5,000.00	0.00	5,000.00
b. Estimated July through December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c. Total	0.00	0.00	5,000.00	0.00	0.00	0.00	5,000.00	0.00	5,000.00
14. Ceiling Insulation									
a. Actual	0.00	0.00	(107.40)	0.00	0.00	0.00	(107.40)	0.00	(107.40)
b. Estimated July through December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c. Total	0.00	0.00	(107.40)	0.00	0.00	0.00	(107.40)	0.00	(107.40)
15. a. Actual	1,177,588.38	2,139,680.46	2,280,913.70	0.00	144,633.59	445,176.20	6,187,992.33	0.00	6,187,992.33
b. Estimated	1,179,017.12	2,139,682.00	2,260,072.81	0.00	505,628.91	307,350.00	6,391,750.84	0.00	6,391,750.84
16. Total All Programs	2,356,605.50	4,279,362.46	4,540,986.51	0.00	650,262.50	752,526.20	12,579,743.17	0.00	12,579,743.17

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM COSTS (Exclusive of Program Fees)
January, 2016 Through June, 2016, Actual
July, 2016 Through December 2016, Estimated

	ACTUAL								ESTIMATED							TOTAL ACTUAL & ESTIMATED COSTS
	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL ACT	ADJ	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL EST	
Residential Conservation Programs:																
1. Residential Energy Audit and Education	137,520.12	168,739.66	143,174.37	177,029.92	276,464.72	161,961.17	1,064,889.96	0.00	199,472.00	199,472.00	199,472.00	199,472.00	199,472.00	199,469.89	1,196,829.89	2,261,719.85
2. Community Energy Saver	59,069.73	53,316.71	58,687.33	68,531.38	118,632.95	109,962.09	468,200.19	0.00	42,438.00	42,438.00	42,438.00	42,438.00	42,438.00	42,440.00	254,630.00	722,830.19
3. Residential Custom Incentive	1,548.09	3,353.52	3,912.47	5,440.97	5,067.53	5,150.41	24,472.99	0.00	12,412.00	12,412.00	12,412.00	12,412.00	12,412.00	12,413.00	74,473.00	98,945.99
4. HVAC Efficiency	67,717.10	63,756.18	124,781.92	153,914.86	344,533.11	95,430.84	850,134.01	0.00	82,441.00	82,441.00	82,441.00	82,441.00	82,441.00	82,438.00	494,643.00	1,344,777.01
5. Residential Building Efficiency	22,541.37	39,619.61	46,125.85	33,371.86	35,784.27	45,839.07	223,282.03	0.00	39,688.00	39,688.00	39,688.00	39,688.00	39,688.00	39,689.00	238,129.00	461,411.03
6. Energy Select	182,242.25	532,043.70	501,536.23	539,334.46	539,924.64	491,174.53	2,786,255.81	0.00	533,295.00	533,295.00	533,295.00	533,295.00	533,295.00	533,297.14	3,199,772.14	5,986,027.95
Commercial / Industrial Conservation Programs:																
7. Commercial / Industrial Energy Audit	55,200.34	57,426.89	56,962.15	65,203.68	53,261.13	53,663.93	341,718.12	0.00	56,953.00	56,953.00	56,953.00	56,953.00	56,953.00	56,953.00	341,718.00	683,436.12
8. HVAC Retrocommissioning	3,690.06	4,117.39	4,924.10	4,734.07	6,039.38	9,688.47	33,193.47	0.00	5,440.00	5,440.00	5,440.00	5,440.00	5,440.00	5,439.00	32,639.00	65,832.47
9. Commercial Building Efficiency	26,339.22	32,831.71	35,162.49	30,324.16	28,363.55	28,657.29	181,678.42	0.00	32,472.00	32,472.00	32,472.00	32,472.00	32,472.00	32,470.00	194,830.00	376,508.42
10. Commercial / Industrial Custom Incentive	967.95	3,616.02	5,733.89	4,326.33	4,661.34	4,442.33	23,747.86	0.00	12,291.00	12,291.00	12,291.00	12,291.00	12,291.00	12,293.00	73,748.00	97,495.86
11. Residential Time of Use Rate Pilot	2,313.08	3,673.18	4,967.11	19,232.88	(10,995.98)	127,805.92	146,996.19	0.00	32,292.00	32,292.00	32,292.00	32,292.00	32,292.00	32,293.81	193,753.81	340,750.00
12. Conservation Demonstration and Development:									16,098.00	16,098.00	16,098.00	16,098.00	16,098.00	16,095.00	96,585.00	135,115.68
a. UWF Best House	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
b. Azalea Trace Heat Pump Water Heater	166.91	163.86	174.81	176.43	185.94	167.10	1,035.05	0.00								
c. 10th Ave Hair Salon Heat Pump Water Htr	500.73	1,986.59	524.45	2,024.30	3,547.83	501.31	9,085.21	0.00								
d. Tesla Powerwall Demand Response	500.73	491.59	524.45	9,529.30	557.83	6,151.31	17,755.21	0.00								
e. Tesla Powerwall Demand Photovoltaic	500.73	491.59	524.45	529.30	557.83	8,051.31	10,655.21	0.00								
13. Solar Thermal Water Heating	0.00	5,000.00	0.00	0.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00
14. Ceiling Insulation	0.00	0.00	0.00	0.00	(107.40)	0.00	(107.40)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(107.40)
15. Total All Programs	560,818.41	970,628.20	987,716.07	1,113,703.90	1,406,478.67	1,148,647.08	6,187,992.33	0.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,290.84	6,391,750.84	12,579,743.17
16. Less: Base Rate Recovery	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	0.00	0.00
17. Net Recoverable Expenses	560,818.41	970,628.20	987,716.07	1,113,703.90	1,406,478.67	1,148,647.08	6,187,992.33	0.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,292.00	1,065,290.84	6,391,750.84	12,579,743.17

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
ESTIMATED TRUE-UP
For the Period: January, 2016 through December, 2016

<u>Conservation Revenues</u>	<u>ACTUAL JAN</u>	<u>ACTUAL FEB</u>	<u>ACTUAL MARCH</u>	<u>ACTUAL APRIL</u>	<u>ACTUAL MAY</u>	<u>ACTUAL JUNE</u>	<u>ESTIMATED JULY</u>	<u>ESTIMATED AUGUST</u>	<u>ESTIMATED SEPTEMBER</u>	<u>ESTIMATED OCTOBER</u>	<u>ESTIMATED NOVEMBER</u>	<u>ESTIMATED DECEMBER</u>	<u>TOTAL</u>
1. Energy <i>Select</i> Program Revenues	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
2. Conservation Revenues	<u>285,648.99</u>	<u>266,572.60</u>	<u>283,670.52</u>	<u>265,061.96</u>	<u>368,424.41</u>	<u>509,863.93</u>	<u>756,173.14</u>	<u>746,845.20</u>	<u>652,276.84</u>	<u>531,590.53</u>	<u>465,290.08</u>	<u>527,472.10</u>	<u>5,658,890.30</u>
3. Total Revenues	285,648.99	266,572.60	283,670.52	265,061.96	368,424.41	509,863.93	756,173.14	746,845.20	652,276.84	531,590.53	465,290.08	527,472.10	5,658,890.30
4. Adjustment not Applicable to Period - Prior True Up	<u>486,099.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>486,098.00</u>	<u>5,833,177.00</u>
5. Conservation Revenues Applicable to Period	771,747.99	752,670.60	769,768.52	751,159.96	854,522.41	995,961.93	1,242,271.14	1,232,943.20	1,138,374.84	1,017,688.53	951,388.08	1,013,570.10	11,492,067.30
6. Conservation Expenses (Form C-3 Page 2 of 7)	<u>560,818.41</u>	<u>970,628.20</u>	<u>987,716.07</u>	<u>1,113,703.90</u>	<u>1,406,478.67</u>	<u>1,148,647.08</u>	<u>1,065,292.00</u>	<u>1,065,292.00</u>	<u>1,065,292.00</u>	<u>1,065,292.00</u>	<u>1,065,292.00</u>	<u>1,065,290.84</u>	<u>12,579,743.17</u>
7. True Up this Period (Line 5 minus Line 6)	210,929.58	(217,957.60)	(217,947.55)	(362,543.94)	(551,956.26)	(152,685.15)	176,979.14	167,651.20	73,082.84	(47,603.47)	(113,903.92)	(51,720.74)	(1,087,675.87)
8. Interest Provision this Period (C-3 Page 4 of 7, Line 10)	1,156.56	1,018.59	816.36	488.37	163.28	(85.85)	(238.28)	(337.72)	(453.65)	(603.69)	(783.38)	(963.78)	176.81
9. True Up & Interest Provision Beginning of Month	3,607,273.57	3,333,260.71	2,630,223.70	1,926,994.51	1,078,840.94	40,949.96	(597,919.04)	(907,276.18)	(1,226,060.69)	(1,639,529.50)	(2,173,834.66)	(2,774,619.96)	3,607,273.57
10. Prior True Up Collected or Refunded	<u>(486,099.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(486,098.00)</u>	<u>(5,833,177.00)</u>
11. End of Period- Net True Up	<u>3,333,260.71</u>	<u>2,630,223.70</u>	<u>1,926,994.51</u>	<u>1,078,840.94</u>	<u>40,949.96</u>	<u>(597,919.04)</u>	<u>(907,276.18)</u>	<u>(1,226,060.69)</u>	<u>(1,639,529.50)</u>	<u>(2,173,834.66)</u>	<u>(2,774,619.96)</u>	<u>(3,313,402.49)</u>	<u>(3,313,402.49)</u>

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
INTEREST CALCULATION
For the Period: January, 2016 through December, 2016

<u>Interest Provision</u>	<u>ACTUAL JAN</u>	<u>ACTUAL FEB</u>	<u>ACTUAL MARCH</u>	<u>ACTUAL APRIL</u>	<u>ACTUAL MAY</u>	<u>ACTUAL JUNE</u>	<u>ESTIMATED JULY</u>	<u>ESTIMATED AUGUST</u>	<u>ESTIMATED SEPTEMBER</u>	<u>ESTIMATED OCTOBER</u>	<u>ESTIMATED NOVEMBER</u>	<u>ESTIMATED DECEMBER</u>	<u>TOTAL</u>
1. Beginning True up Amount	3,607,273.57	3,333,260.71	2,630,223.70	1,926,994.51	1,078,840.94	40,949.96	(597,919.04)	(907,276.18)	(1,226,060.69)	(1,639,529.50)	(2,173,834.66)	(2,774,619.96)	
2. Ending True up before Interest	3,332,104.15	2,629,205.11	1,926,178.15	1,078,352.57	40,786.68	(597,833.19)	(907,037.90)	(1,225,722.97)	(1,639,075.85)	(2,173,230.97)	(2,773,836.58)	(3,312,438.71)	
3. Total Beginning & Ending Balances	6,939,377.72	5,962,465.82	4,556,401.85	3,005,347.08	1,119,627.62	(556,883.23)	(1,504,956.94)	(2,132,999.15)	(2,865,136.54)	(3,812,760.47)	(4,947,671.24)	(6,087,058.67)	
4. Average True up Amount	3,469,688.86	2,981,232.91	2,278,200.93	1,502,673.54	559,813.81	(278,441.62)	(752,478.47)	(1,066,499.57)	(1,432,568.27)	(1,906,380.24)	(2,473,835.62)	(3,043,529.33)	
5. Interest Rate First Day Reporting Business Month	0.40	0.40	0.42	0.44	0.34	0.36	0.38	0.38	0.38	0.38	0.38	0.38	
6. Interest Rate First Day Subsequent Business Month	0.40	0.42	0.44	0.34	0.36	0.38	0.38	0.38	0.38	0.38	0.38	0.38	
7. Total of Lines 5 and 6	0.80	0.82	0.86	0.78	0.70	0.74	0.76	0.76	0.76	0.76	0.76	0.76	
8. Average Interest rate (50% of Line 7)	0.400	0.410	0.430	0.390	0.350	0.370	0.380	0.380	0.380	0.380	0.380	0.380	
9. Monthly Average Interest Rate Line 8 / 12 months	0.000333	0.000342	0.000358	0.000325	0.000292	0.000308	0.000317	0.000317	0.000317	0.000317	0.000317	0.000317	
10. Interest Provision (line 4 X 9)	1,156.56	1,018.59	816.36	488.37	163.28	(85.85)	(238.28)	(337.72)	(453.65)	(603.69)	(783.38)	(963.78)	176.81

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
Residential Energy Survey Displays
For the Period January, 2016 Through December, 2016

Line No.	Beginning of Period	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Projected July	Projected August	Projected September	Projected October	Projected November	Projected December	Total
1	Investments Added to Plant In Service	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Depreciable Base	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	
3	Depreciation Expense (A)	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.46	164.19	1,973.25
4	Cumulative Plant in Service Additions	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	13,814.37	
5	Salvage, Cost of Removal and Retirement	-	-	-	-	-	-	-	-	-	-	-	-	
6	Less: Accumulated Depreciation	11,841.12	12,005.58	12,170.04	12,334.50	12,498.96	12,663.42	12,827.88	12,992.34	13,156.80	13,321.26	13,485.72	13,650.18	13,814.37
7	Net Plant In Service (Line 4 - 6)	1,973.25	1,808.79	1,644.33	1,479.87	1,315.41	1,150.95	986.49	822.03	657.57	493.11	328.65	164.19	0.00
8	Net Additions/Reductions to CWIP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	CWIP Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	Inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	Net Investment	1,973.25	1,808.79	1,644.33	1,479.87	1,315.41	1,150.95	986.49	822.03	657.57	493.11	328.65	164.19	0.00
12	Average Net Investment	1,891.02	1,726.56	1,562.10	1,397.64	1,233.18	1,068.72	904.26	739.80	575.34	410.88	246.42	82.10	
13	Rate of Return / 12 (B)	0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	
14	Return Requirement on Average Net Investment	12.89	11.77	10.65	9.53	8.41	7.29	6.02	4.93	3.83	2.74	1.64	0.55	80.25
15	Property Tax	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.11	9.15	109.36
16	Total Depreciation, Prop Taxes & Return (Line 3 + 14 + 15)	186.46	185.34	184.22	183.10	181.98	180.86	179.59	178.50	177.40	176.31	175.21	173.89	2,162.86

Notes:
 (A) Displays are Seven year Property 1.1905% per month.
 (B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.1828%; Jul - Dec 7.9932%.

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
Thermal Imaging Tools
For the Period January, 2016 Through December, 2016

Line No.	Beginning of Period	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Projected July	Projected August	Projected September	Projected October	Projected November	Projected December	Total
1	Investments Added to Plant In Service	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Depreciable Base	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	
3	Depreciation Expense (A)	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.49	543.27	6,521.66
4	Cumulative Plant in Service Additions	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	45,652.70	
5	Salvage, Cost of Removal and Retirement													
6	Less: Accumulated Depreciation	39,131.04	39,674.53	40,218.02	40,761.51	41,305.00	41,848.49	42,391.98	42,935.47	43,478.96	44,022.45	44,565.94	45,109.43	45,652.70
7	Net Plant In Service (Line 4 - 6)	6,521.66	5,978.17	5,434.68	4,891.19	4,347.70	3,804.21	3,260.72	2,717.23	2,173.74	1,630.25	1,086.76	543.27	0.00
8	Net Additions/Reductions to CWIP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	CWIP Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	Inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	Net Investment	6,521.66	5,978.17	5,434.68	4,891.19	4,347.70	3,804.21	3,260.72	2,717.23	2,173.74	1,630.25	1,086.76	543.27	0.00
12	Average Net Investment	6,249.92	5,706.43	5,162.94	4,619.45	4,075.96	3,532.47	2,988.98	2,445.49	1,902.00	1,358.51	815.02	271.64	
13	Rate of Return / 12 (B)	0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	
14	Return Requirement on Average Net Investment	42.62	38.91	35.21	31.50	27.79	24.09	19.91	16.29	12.67	9.05	5.43	1.81	265.28
15	Property Tax	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.12	30.10	361.42
16	Total Depreciation, Prop Taxes & Return (Line 3 + 14 + 15)	616.23	612.52	608.82	605.11	601.40	597.70	593.52	589.90	586.28	582.66	579.04	575.18	7,148.36

Notes:
 (A) Thermal Imaging Tools are Seven year Property 1.1905% per month.
 (B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.1828%; Jul - Dec 7.9932%.

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
ENERGY SELECT
For the Period January, 2016 Through December, 2016

Line No.	Beginning of Period	Actual January	Actual February	Actual March	Actual April	Actual May	Actual June	Projected July	Projected August	Projected September	Projected October	Projected November	Projected December	Total
1		(59,635.14)	18,316.17	89,375.67	78,795.96	17,430.54	141,211.40	144,525.00	184,992.00	184,992.00	184,992.00	109,839.00	86,715.00	
2	13,556,278.60	13,496,643.46	13,514,959.63	13,604,335.30	13,683,131.26	13,700,561.80	13,841,773.20	13,986,298.20	14,171,290.20	14,356,282.20	14,541,274.20	14,651,113.20	14,737,828.20	
3		31,179.44	31,042.28	31,084.41	31,289.97	31,471.20	31,511.29	31,836.08	32,168.49	32,593.97	33,019.45	33,444.93	33,697.56	384,339.07
4	13,556,278.60	13,496,643.46	13,514,959.63	13,604,335.30	13,683,131.26	13,700,561.80	13,841,773.20	13,986,298.20	14,171,290.20	14,356,282.20	14,541,274.20	14,651,113.20	14,737,828.20	
5		(199,086.44)	(94,552.94)	(79,164.01)	3,083.83	(58,026.16)	16,277.28	-	(457,277.00)	-	-	-	-	
6		(7,420,751.60)	(7,588,658.60)	(7,652,169.26)	(7,700,248.86)	(7,665,875.06)	(7,692,430.02)	(7,644,641.45)	(7,612,805.37)	(8,037,913.88)	(8,005,319.91)	(7,972,300.46)	(7,938,855.53)	(7,905,157.97)
7	20,977,030.20	21,085,302.06	21,167,128.89	21,304,584.16	21,349,006.32	21,392,991.82	21,486,414.65	21,599,103.57	22,209,204.08	22,361,602.11	22,513,574.66	22,589,968.73	22,642,986.17	
8	0.00	17,559.34	39,020.00	(56,579.34)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	17,559.34	56,579.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	1,452,475.81	1,368,781.44	1,280,771.60	1,230,131.69	1,178,387.59	1,136,694.73	1,042,630.80	836,575.00	703,167.00	591,253.60	493,167.20	434,928.40	388,950.40	
11	22,429,506.01	22,471,642.84	22,504,479.83	22,534,715.85	22,527,393.91	22,529,686.55	22,529,045.45	22,435,678.57	22,912,371.08	22,952,855.71	23,006,741.86	23,024,897.13	23,031,936.57	
12		22,450,574.43	22,488,061.34	22,519,597.84	22,531,054.88	22,528,540.23	22,529,366.00	22,482,362.01	22,674,024.83	22,932,613.40	22,979,798.79	23,015,819.50	23,028,416.85	
13		0.006819	0.006819	0.006819	0.006819	0.006819	0.006819	0.006661	0.006661	0.006661	0.006661	0.006661	0.006661	
14		153,090.47	153,346.09	153,561.14	153,639.26	153,622.12	153,627.75	149,755.01	151,031.68	152,754.14	153,068.44	153,308.37	153,392.28	1,834,196.75
15		10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	10,729.87	128,758.46
16		194,999.78	195,118.24	195,375.42	195,659.10	195,823.19	195,868.91	192,320.96	193,930.04	196,077.98	196,817.76	197,483.17	197,819.73	2,347,294.28

Notes:

(A) Energy Select Property Additions Depreciated at 2.8% per year.

(B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 8.1828%; Jul - Dec 7.9932%.

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GULF POWER COMPANY
CALCULATION OF CONSERVATION REVENUES
For the Period: July, 2016 Through December, 2016

	<u>Month</u>	<u>Projected MWH Sales</u>	<u>Rate (Avg Cents/KWH)</u>	<u>Clause Revenue Net of Revenue Taxes (\$)</u>
1.	07/2016	1,179,840	0.06409116	756,173.14
2.	08/2016	1,166,950	0.06399976	746,845.20
3.	09/2016	1,021,925	0.06382825	652,276.84
4.	10/2016	839,139	0.06334952	531,590.53
5.	11/2016	734,554	0.06334321	465,290.08
6.	12/2016	826,023	0.06385683	527,472.10

Program Description and Progress

Program Title: Residential Energy Audit and Education

Program Description: This program is the primary educational program to help customers improve the energy efficiency of their new or existing home by providing energy conservation advice and information that encourages the implementation of efficiency measures and behaviors resulting in energy and utility bill savings.

Program Projections: Expenses of \$2,295,559 are projected for this program in 2017 as detailed in Schedule C-2. In 2017, this program includes two measurable areas of focus:

- Energy Audit – During the recovery period, 8,400 participants are projected as reflected in the 2015 DSM Plan. A Gulf Power representative will conduct an on-site audit of a customer's home, or they may opt to participate in either a mail-in or on-line, interactive version of the audit. Regardless of the method, the customer is provided with specific recommendations including available incentives and other alternatives to facilitate implementation.
- School-based Awareness and Education – This program provides science-based energy-related curricula and training to science teachers in Gulf's service area. As a result of these efforts, during the recovery period, approximately 10,000 students will be reached.

Program Accomplishments:

- Energy Audit – Year to date 2016, Gulf performed 3,058 energy audits compared to a year to date projection of 4,200 or 1,142 under the projection. Of these, 983 were online, 653 were on-site and 1,422 were new construction audits. The total projection for 2016 is 6,116 energy audits.
- School-based Awareness and Education
 - Gulf provided professional development in energy-related science and math for 75 elementary, middle and high school teachers who reach an estimated 7,300 students. These teachers received hands-on energy, efficiency and renewable energy classroom materials and curriculum.
 - Gulf provided training on sustainable energy sources including solar energy and measuring and conserving energy usage in partnership with several STEM (**S**cience **T**echnology **E**ngineering **M**ath) related programs: 1) FSU Panama City STEM Institute summer camp program that reached approximately 800 8th – 12th

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grade students; 2) Bay County School District middle school STEM summer camp that reached nearly 200 6th – 8th grade students; 3) Santa Rosa County School District high school STEAM (**S**cience **T**echnology **E**ngineering **A**rts **M**ath) summer camp that reached 300 9th graders.

- The estimated reach through all of these energy education programs is nearly 8,600 students.
- Gulf continued to provide energy-related onsite and material support for two hands-on interactive science museums which each average 100 attendees daily through the year.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$1,447,841 compared to actual expenses of \$1,064,890 resulting in a difference of \$382,951 or 26% under budget.

Program Progress Summary: Since the approval of this program, Gulf Power has performed a total of 225,853 energy audits.

Program Description and Progress

Program Title: Community Energy Saver Program

Program Description: This program assists low-income families with managing their energy costs. Through this program, qualifying customers receive the direct installation of conservation measures at no cost to them. The program also educates families on energy efficiency techniques and behavioral changes to help control their energy use and reduce their electricity expenses.

Program Projections: For the period January 2017 through December 2017, the Company expects to implement the efficiency measures included in this program for 2,500 eligible residential customers as reflected in the 2015 DSM Plan. Expenses of \$789,191 are projected for this program in 2017 as detailed in Schedule C-2.

Program Accomplishments: Through June 2016, 1,425 of Gulf's customers received the measures included in this program, compared to a year to date projection of 1,250. The total projection for 2016 is 2,500 participants.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$331,950 compared to actual expenses of \$468,200 resulting in a difference of \$136,250 or 41% over budget.

Program Progress Summary: A total of 13,930 customers have received the efficiency measures included in the Community Energy Saver program since the program's launch in 2011.

Program Description and Progress

Program Title: Residential Custom Incentive Program

Program Description: This program is designed to increase energy efficiency in the residential rental property sector. This program promotes the installation of various energy efficiency measures available through other programs, such as HVAC maintenance and quality installation, high performance windows, reflective roofing and Energy Star window A/Cs. Additional incentives will be included, as appropriate, to overcome the split-incentive barrier which exists in a landlord/renter situation. Moreover, this program promotes the installation of measures included in the Community Energy Saver Program by the landlord of multi-family properties.

Program Projections: Due to the custom nature of this program, specific participant projections are not made for the period January 2017 through December 2017. Expenses of \$116,323 are projected for this program in 2017 as detailed in Schedule C-2.

Program Accomplishments: As of June, no participants have enrolled during 2016 in this program. While there are no participants recorded this year, Gulf continues to work with customers in the rental property sector.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$25,927 compared to actual expenses of \$24,473 resulting in a difference of \$1,454 or 6% under budget.

Program Progress Summary: Since its launch in 2011, one customer enrollment has been recorded in the Residential Custom Incentive program.

Program Description and Progress

Program Title: HVAC Efficiency Improvement Program

Program Description: This program is designed to increase energy efficiency and improve HVAC cooling system performance for new and existing homes. These efficiencies are realized through:

- HVAC maintenance
- Duct repair
- HVAC Quality Installation

Program Projections: Expenses of \$1,297,544 are projected for this program in 2017 as detailed in Schedule C-2. For the period January 2017 through December 2017, the Company projects the following participation in this program as reflected in the 2015 DSM Plan:

Measure	Projected Participation
HVAC maintenance	2,000
Duct repair	500
HVAC Quality Installation	2,000

Program Accomplishments: Actual participation (through June 2016) and the 2016 year end projected participation are shown in the following table:

Measure	2016 YTD Actual Participation	2016 Year End Projection
HVAC maintenance	2,895	3,874
Duct repair	1,388	1,503
HVAC Quality Installation	309	602

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$635,630 compared to actual expenses of \$850,134 resulting in a difference of \$214,504 or 34% over budget.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
HVAC maintenance	35,668
Duct repair	21,280
HVAC Quality Installation	309

Program Description and Progress

Program Title: Residential Building Efficiency Program

Program Description: The Residential Building Efficiency Program is designed as an umbrella efficiency program for existing and new residential customers to encourage the installation of eligible equipment and materials as a means of reducing energy and demand. The goals of the program are to increase awareness and customer demand for energy saving measures; to increase availability and market penetration; and to contribute toward long-term energy savings and peak demand reductions.

- High Performance Windows
- Reflective Roof
- ENERGY STAR Window A/C

Program Projections: Expenses of \$569,638 are projected for this program in 2017 as detailed in Schedule C-2. For the period January 2017 through December 2017, the Company projects the following participation in this program as reflected in the 2015 DSM Plan:

Measure	Projected Participation
High Performance Windows	450
Reflective Roof	200
ENERGY STAR Window A/C	200

Program Accomplishments: Actual participation (through June 2016) and the 2016 year end projected participation are shown in the following table:

Measure	2016 YTD Actual Participation	2016 Year End Projection
High Performance Windows	147	307
Reflective Roof	148	308
ENERGY STAR Window A/C	8	28

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$70,957 compared to actual expenses of \$223,282 resulting in a difference of \$152,325 or 215% over budget.

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Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
High Performance Windows	4,595
Reflective Roof	1,236
ENERGY STAR Window A/C	802

Program Description and Progress

Program Title: Energy *Select*

Program Description: The overall program is designed to provide customers with a means of controlling their energy purchases by conveniently programming their heating and cooling systems and major appliances, such as electric water heaters and pool pumps, to respond automatically to prices that vary during the day and by season in relation to the Company's cost of producing or purchasing energy.

Program Projections: During the 2017 projection period, Gulf Power projects to have 1,600 net additions as reflected in the 2015 DSM Plan. The program expenses are expected to be \$6,434,583 as detailed in Schedule C-2.

Program Accomplishments: For the period January through June 2016, 529 net new participants were added to the Energy *Select* program compared to a year to date projection of 800. The total projection for 2016 is 1,600 net new participants.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$3,327,859 compared to actual expenses of \$2,786,256 resulting in a difference of \$541,603 or 16% under budget.

Program Progress Summary: As of June 2016, there are 16,776 participating customers.

Program Description and Progress

Program Title: Commercial/Industrial Audit

Program Description: This program is designed to provide professional advice to Gulf's existing commercial and industrial customers on how to reduce and make the most efficient use of energy. This program covers from the smallest commercial customer, requiring only a walk-through survey, to the use of computer programs which will simulate several design options for very large, energy-intensive customers. Customers may participate by requesting a basic Energy Analysis Audit (EAA) provided through either an on-site survey or an on-line survey. A more comprehensive analysis can be provided by conducting a Technical Assistance Audit (TAA).

Program Projections: For the period January 2017 through December 2017, the Company expects to conduct 500 audits as reflected in the 2015 DSM Plan and incur expenses totaling \$875,686.

Program Accomplishments: During the January 2016 through June 2016 period, actual results were 178 audits compared to a year to date projection of 250. The total projection for 2016 is 356 audits.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$453,680 compared to actual expenses of \$341,718 resulting in a difference of \$111,962 or 25% under budget.

Program Progress Summary: A total of 22,550 audits have been completed since the program's inception.

Program Description and Progress

Program Title: Commercial HVAC Retrocommissioning Program

Program Description: This program offers basic retrocommissioning at a reduced cost for qualifying installations of existing commercial and industrial customers. It is designed to diagnose the performance of the HVAC cooling unit(s) operating in commercial buildings with the support of an independent computerized quality control process and to make improvements to the system to bring it to full efficiency. This program includes air cooled and water cooled equipment – identified as A/C, heat pump, direct expansion (DX) or geothermal cooling and heating.

Program Projections: For the period January 2017 through December 2017, the Company expects 250 program participants as reflected in the 2015 DSM Plan. Expenses of \$117,518 are projected for this program in 2017 as detailed in Schedule C-2.

Program Accomplishments: During the period January 2016 through June 2016, 31 customers have participated in this program compared to a year to date projection of 125. The total projection for 2016 is 60 participants.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$28,695 compared to actual expenses of \$33,193 resulting in a difference of \$4,498 or 16% over budget.

Program Progress Summary: Since its launch in 2011, 1,002 customers have participated in this program.

Program Description and Progress

Program Title: Commercial Building Efficiency Program

Program Description: This program is designed as an umbrella efficiency program for existing commercial and industrial customers to encourage the installation of eligible high-efficiency equipment as a means of reducing energy and demand. The goals of the program are to increase awareness and customer demand for high-efficiency, energy-saving equipment; increase availability and market penetration of energy efficient equipment; and contribute toward long-term energy savings and peak demand reductions. These goals will be accomplished through commercial geothermal heat pumps, ceiling/roof insulation, and reflective roofs.

Program Projections: Expenses of \$606,040 are projected for this program in 2017 as detailed in Schedule C-2.

For the period January 2017 through December 2017, the Company expects to implement the efficiency measures included in this program as reflected in the 2015 DSM Plan:

Program	Annual Projections (2017)
Commercial Geothermal Heat Pump	130 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	275,000 square feet of installed insulation
Commercial Reflective Roof	800,000 square feet of installed reflective roof

Program Accomplishments: During the period January – June 2016, the measures in this program have had the following participation as compared to year to date projected participation:

Program	Actual Participation (January - June 2016)	Projected YTD Participation (through June 2016)
Commercial Geothermal Heat Pump	42 tons of installed Geothermal HVAC	63 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	3,500 square feet of installed insulation	125,000 square feet of installed insulation
Commercial Reflective Roof	47,572 square feet of installed reflective roof	400,000 square feet of installed reflective roof

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Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$161,412 compared to actual expenses of \$181,678 resulting in a difference of \$20,266 or 13% over budget. Total projection for 2016 is as follows:

Program	Annual Projections (2016)
Commercial Geothermal Heat Pump	92 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	13,500 square feet of installed insulation
Commercial Reflective Roof	97,572 square feet of installed reflective roof

Program Progress Summary: Since its launch in 2011, customer participation is shown in the table below.

Program	Actual Participation (Program to Date)
Commercial Geothermal Heat Pump	570 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	330,952 square feet of installed insulation
Commercial Reflective Roof	3,052,730 square feet of installed reflective roof

Program Description and Progress

Program Title: Commercial/Industrial Custom Incentive

Program Description: This program is designed to establish the capability and process to offer advanced energy services and energy efficient end-user equipment to Commercial/Industrial customers. These energy services include comprehensive audits, design, and construction of energy conservation projects. Specifically, projects covered under this program would be demand reduction or efficiency improvement retrofits that are beyond the scope of other programs.

Program Projections: For the period January 2017 through December 2017, the Company expects at the meter reductions of 200,000 kWh, 65 winter kW and 65 summer kW resulting from this program as reflected in the 2015 DSM Plan. Expenses of \$126,352 are projected for this program in 2017 as detailed in Schedule C-2.

Program Accomplishments: From January 2016 through June 2016, no customers have participated in this program.

Program Fiscal Expenditures: Projected expenses for January 2016 through June 2016 were \$26,232 compared to actual expenses of \$23,748 resulting in a difference of \$2,484 or 9% under budget.

Program Progress Summary: Since its launch in 2011, 15 customers have participated in the Commercial/Industrial Custom Incentive program resulting in at the meter reductions of 7,070,333 kWh (energy), 741 winter kW (demand) and 1,151 summer kW (demand).

Program Description and Progress

Program Title: Residential Service Time of Use Pilot Program

Program Description: The Residential Service Time of Use (RSTOU) rate pilot will provide residential customers the opportunity to use customer-owned equipment to respond automatically and take advantage of a variable pricing structure with a critical peak credit component. In order to control program expenses and facilitate monitoring and evaluation, the pilot will be offered to a group of approximately 400 residential customers who meet the program standards. In order to further encourage customers to utilize a qualifying Wi-Fi enabled thermostat, the RSTOU pilot will offer customers a per event credit for allowing their thermostat to automatically adjust the HVAC equipment settings during a critical event period. This option puts the customer in complete control of their energy purchase without utility owned equipment. The objective of this pilot is to measure customer's response to a variable price rate with customer owned equipment. Customers will have an opportunity for additional savings by shifting energy purchases to the lower priced periods, while providing peak demand reduction during the high and critical periods.

Program Projections: For the period January 2017 through December 2017, the Company expects approximately 400 program participants as reflected in the 2015 DSM Plan. Expenses of \$67,250 are projected for this program in 2017 as detailed in Schedule C-2.

Program Accomplishments: As of June 2016, 416 customers have enrolled with 330 customers completing installation and participating in the RSTOU rate. The total projection for 2016 is approximately 400 participants by year end. This program was projected to start in the fall of 2015, however, due to program development delays, the program launch was shifted to February 2016.

Program Fiscal Expenditures: Projected expenses for January through June 2016 were \$79,355 compared to actual expenses of \$146,996 resulting in a difference of \$67,641 or 85% over budget.

Program Progress Summary: Since its launch in February 2016, 416 customers have participated in this program.

Program Description and Progress

Program Title: Conservation Demonstration and Development

Program Description: A package of conservation programs was approved by the FPSC in Order No. 23561 for Gulf Power Company to explore and to pursue research, development, and demonstration projects designed to promote energy efficiency and conservation. This program serves as an umbrella program for the identification, development, demonstration and evaluation of new or emerging end-use technologies.

Program Accomplishments:

UWF BEST House

Gulf Power entered into a partnership, along with a number of other donors, with the University of West Florida, located in Pensacola, Florida, to help build a facility to be used as an educational tool and resource for Northwest Florida.

The project, now known as The Community Outreach, Research and Education (C.O.R.E.) Initiative, is a center to explain and demonstrate the advantages of retrofitting existing homes for energy efficiency. The C.O.R.E facility is a multipurpose laboratory; a research lab, a trade demonstration area, a construction yard, and an interactive, energy efficiency and demonstration showcase. The C.O.R.E. facility promotes energy efficient construction through the innovative display of cutting-edge technology, and through community outreach and participation. The lab is available to students, industry professionals and the general public.

The facility accommodates a research initiative in an effort to measure the efficacy of different building technologies and installations. The C.O.R.E initiative is particularly interested in the metering and measurement of sealed attic spaces, roof types, walls forms, windows, water heaters, Heating, Ventilation and Air Conditioning (HVAC) equipment, renewable energy and controls systems. The construction yard and demonstration area provides a similar opportunity for materials research and community seminars.

A final report will be issued on this project by year-end 2016. Gulf Power will remain involved with C.O.R.E. as the primary energy consultant and may initiate future CDD projects as new technologies are introduced at the facility.

Azalea Trace Project

The purpose of this project was to test the application of a Heat Pump Water Heater (HPWH) in an assisted living facility. The project included the installation of a commercial size Heat Pump Water Heater (4-ton heating capacity), two 119 gallon storage tanks and distribution duct work. The HPWH unit provides

preheated water (140 degrees F) to the existing natural gas boilers. In turn, the boilers feed the existing 350 gallon storage tank supplying hot water to the washers.

The project has provided a database for the application of the HPWH in this type facility. No data was on record within Gulf Power for the HPWH application in an assisted living facility. The laundry operated 24-hours a day, 7-days a week. The data was used to promote energy efficient production of hot water, off-set the installation of additional air conditioning units and provide a better climatic working environment for the employees.

The values of the data recorded will be used to calculate the system amount of "free" A/C cooling, the effect on the amount of natural gas used by the boilers, the electrical usage of the HPWH and the overall energy efficiency of the system.

The data will illustrate the efficient use of a dual fuel application in a large commercial, 24-hour operating facility for the first time in Gulf's service area.

The project was monitored for one year, and a full report will be submitted to the Commission by the end of 2016.

10th Ave North Hair Salon Heat Pump Water Heater Project (HPWH)

This project was used to determine if a residential HPWH can be used successfully in small commercial applications with high usage. As part of this project, a residential HPWH was installed and metered in a high water use commercial facility to determine the performance, reliability and economic return on investment. Gulf partnered with General Electric (GE) for this project. Two 50 gallon HPWH's were installed with an Energy Factor of 2.4, which GE agreed to warranty as part of this project.

The project will continue to be monitored to the last quarter of 2016 and a full report will be submitted to the Commission by the end of the first quarter of 2017.

Tesla Powerwall Demand Response (DR)

Modern-day battery storage provided by Tesla may be able to improve the effectiveness of current "Demand Response" programs. Demand response not only refers to *load shedding* but now also includes *load shifting*.

The Powerwall DR CDD Project will discover the possibilities and impact of:

1. *Load Shifting*: Battery storage's ability to maximize the impact of TOU rates by charging during off-peak/low periods and discharging during on-peak/medium-high periods

2. *Peak Reduction:* Battery storage's ability to be dispatched at specific times (critical peak events) to supplement the demand response capability of Energy Select.

Data monitoring will be used to assess the impact of battery storage in terms of performance, reliability, economic return on investment, from the perspective of the customer and the utility.

Tesla's daily cycle 6.4kWh Powerwall will be interconnected to a SolarEdge StorEdge inverter and existing Energy Select equipment. TOU times and critical peak dispatches will be accessed through the inverter's internal controls. Third parties have been contracted to install the equipment, monitor the various outputs of the system, compile the data for further analysis and provide a final report on the project.

Tesla Powerwall Demand Photovoltaic (PV)

Modern-day battery storage provided by Tesla may be able to overcome two of the typical shortcomings of grid-tied solar photovoltaics: the limited "daytime" periods of generation and the intermittency of output (due to shade or cloud cover).

The Powerwall PV CDD Project will discover the possibilities and impact of:

1. *Solar Shifting:* Battery storage's impact on peak demand by charging during the normal PV generation period and discharging during on-peak/medium-high periods.
2. *Solar Smoothing:* Battery storage's ability to stabilize the PV output during adverse weather conditions / cloud cover or shading caused by obstructions.

Data monitoring will be used to assess the impact of battery storage in terms of performance, reliability, economic return on investment, from the perspective of the customer and the utility.

Tesla's daily cycle 6.4kWh Powerwall will be interconnected to a SolarEdge StorEdge inverter and a retrofitted/existing 5kW photovoltaic installation. Charge and discharge time periods will be programmed within the inverter's internal controls. Third parties have been contracted to install the equipment, monitor the various outputs of the system, compile the data for further analysis and provide a final report on the project.

Schedule C-5
Page 18 of 18

Program Fiscal Expenditures: Program expenses were forecasted at \$125,330 for the period January through June 2016 compared to actual expenses of \$38,531 for a deviation of \$86,799 or 69% under budget. Actual project expenses were as follows: UWF BEST House, \$0; Azalea Trace Heat Pump Water Heater, \$1,035; Hair Salon Heat Pump Water Heater Project, \$9,085; Tesla Powerwall Demand Response, \$17,756; Tesla Powerwall Demand Photovoltaic, \$10,655.

**RESIDENTIAL SERVICE
2017 Variable Pricing (RSVP) and
Time of Use (RSTOU) Rates
Cents Per KWH**

ECCR

<u>Rate Tier</u>	<u>RSVP</u>
P4	62.627
P3	7.247
P2	(0.774)
P1	(3.000)

<u>Rate Tier</u>	<u>RSTOU</u>
On-Peak	17.000
Off-Peak	(3.106)

Duke Energy Florida, LLC

Energy Conservation Adjusted Net True-Up
 For the Period January 2015 - December 2015

**Line
 No.**

1	Actual End of Period True-Up (Over) / Under Recovery		
2	Beginning Balance	(\$24,443,628)	
3	Principal (CT-3 Page 2 of 5)	(6,276,493)	
4	Interest (CT-3 Page 2 of 5)	(16,835)	
5	Prior True-Up Refund	24,443,628	
6	Adjustments	0	(\$6,293,328)
		<hr/>	<hr/>
7	Less: Estimated True-Up from August 2015		
8	Projection Filing (Over) / Under Recovery		
9	Beginning Balance	(\$24,443,630)	
10	Principal	(3,303,857)	
11	Interest	(14,743)	
12	Prior True-Up Refund	24,443,628	
13	Adjustments	0	(\$3,318,602)
		<hr/>	<hr/>
14	Variance to Projection		(\$2,974,726)
			<hr/> <hr/>

FLORIDA PUBLIC SERVICE COMMISSION DOCKET: 160002-EG EXHIBIT: 13 PARTY: DUKE ENERGY FLORIDA, LLC – DIRECT DESCRIPTION: Lori J. Cross LJC-1T
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Duke Energy Florida, LLC

Analysis of Energy Conservation Program Costs
Actual vs. Estimated
For the Period January 2015 - December 2015

Line No.	Program	Actual	Estimated	Difference
1	Depreciation, Amoritzation & Return	11,011,586	11,574,657	(563,070)
2	Payroll & Benefits	12,858,342	12,358,231	500,111
3	Materials & Supplies	1,929,485	3,200,141	(1,270,656)
4	Outside Services	3,383,218	4,180,936	(797,718)
5	Advertising	1,387,323	841,155	546,167
6	Incentives	77,028,148	77,639,838	(611,690)
7	Vehicles	305,768	256,919	48,849
7	Other	551,271	606,277	(55,006)
8	Program Revenues	0	0	0
9	Total Program Costs	108,455,141	110,658,154	(2,203,013)
11	Less:			
12	Conservation Clause Revenues	90,288,006	89,518,382	769,624
13	Prior True-Up	24,443,628	24,443,628	0
14	True-Up Before Interest	(6,276,493)	(3,303,857)	(2,972,636)
15	Audit & Revenue Decoupling Adjustment	0	0	0
16	Interest Provision	(16,835)	(14,743)	(2,092)
17	End of Period True-Up	(6,293,328)	(3,318,600)	(2,974,728)

() Reflects over-recovery

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC

Actual Energy Conservation Program Costs per Program
For the Period January 2015 - December 2015

Line No.	Program	Depreciation Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Sub-Total	Program Revenues (credit)	Total
1	Home Energy Check	19,488	2,788,345	99,023	43,252	112,160	271,936	61,949	50,864	3,447,016	0	3,447,016
2	Residential Incentive (HEI & New Const)	268	1,792,620	57,238	82,824	16,551	240,998	6,117,729	100,882	8,409,111	0	8,409,111
3	Business Energy Check	18,499	599,648	27,333	104,331	18,115	2,927	27,750	27,981	826,584	0	826,584
4	Better Business (incl. C/I New Const)	5,609	1,650,060	2,791	113,844	31,196	4,606	1,378,746	19,933	3,206,784	0	3,206,784
5	Technology Development	401	121,593	3,028	42,456	29,403	0	0	10,152	207,033	0	207,033
6	Solar Water Heating w/ EM	0	33,972	0	545	608	0	152,686	1,832	189,643	0	189,643
7	Research and Demonstration	0	16,053	680	10,000	0	0	0	573	27,306	0	27,306
8	Solar Water Heat Low Income Res Cust	0	19,865	233	273	36	0	90,652	1,709	112,769	0	112,769
9	Photovoltaic for Schools Pilot	0	31,331	0	2,683	7,605	0	955,222	6,557	1,003,397	0	1,003,397
10	Residential Solar Photovoltaic	0	84,563	610	1,068	39	0	2,696,574	12,892	2,795,745	0	2,795,745
11	Commercial Solar Photovoltaic	0	29,720	0	144	10	0	1,389,370	2,152	1,421,396	0	1,421,396
12	Florida Custom Incentive Program	0	44,849	502	1,871	42	0	9,082	1,478	57,824	0	57,824
13	Interruptible Service	18,311	83,190	845	5,715	53,579	0	31,271,308	5,167	31,438,116	0	31,438,116
14	Curtable Service	0	0	0	0	0	0	1,798,558	0	1,798,558	0	1,798,558
15	Residential Energy Mgt	10,861,229	1,712,880	42,172	1,700,051	1,289,327	787,693	22,899,013	53,783	39,346,147	0	39,346,147
16	Commercial Energy Mgt	0	174	0	0	0	0	549,465	0	549,639	0	549,639
17	Low Income	0	116,046	137	190	57	22,552	81,539	7,128	227,648	0	227,648
18	Standby Generation	85,152	151,655	9,404	25,732	99,674	0	6,872,039	8,106	7,251,763	0	7,251,763
19	Qualifying Facility	0	803,992	6,112	7,880	313	0	0	22,037	840,334	0	840,334
20	Renewable Energy Saver	0	0	0	0	0	0	0	0	0	0	0
21	Neighborhood Energy Saver	0	194,364	710	278,147	1,869	56,611	674,836	21,743	1,228,280	0	1,228,280
22	Conservation Program Admin	2,630	2,583,421	54,951	962,214	268,898	0	1,630	196,303	4,070,047	0	4,070,047
23	Total All Programs	11,011,586	12,858,342	305,768	3,383,218	1,929,485	1,387,323	77,028,148	551,271	108,455,141	0	108,455,141

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC

Variance in Energy Conservation Program Costs
12 Months Actual vs. 12 Months Estimated

Line No.	Program	Depreciation Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Sub-Total	Program Revenues (credit)	Total
1	Home Energy Check	(2)	33,701	21,390	16,152	(314,305)	143,237	(17,296)	5,137	(111,986)	0	(111,986)
2	Residential Incentive (HEI & New Const)	0	(38,503)	21,714	(20,382)	5,949	192,375	(642,124)	(31,215)	(512,186)	0	(512,186)
3	Business Energy Check	(0)	176,756	11,024	(61,401)	(11,683)	(2,073)	27,750	14,577	154,949	0	154,949
4	Better Business (incl. C/I New Const)	0	539,419	(346)	44,152	(11,006)	(70,394)	(120,445)	3,982	385,363	0	385,363
5	Technology Development	0	(97,809)	2,030	(151,095)	(67,547)	0	0	(25,947)	(340,368)	0	(340,368)
6	Solar Water Heating w/ EM	0	3,033	0	(1,897)	1	0	36,142	445	37,725	0	37,725
7	Research and Demonstration	0	(13,962)	341	(27,826)	(15,000)	0	0	(4,073)	(60,520)	0	(60,520)
8	Solar Water Heat Low Income Res Cust	0	1,126	(92)	(5,489)	18	0	(18,686)	312	(22,810)	0	(22,810)
9	Photovoltaic for Schools Pilot	0	(11,474)	0	(4,672)	1,861	(1,397)	(595,842)	(4,634)	(616,158)	0	(616,158)
10	Residential Solar Photovoltaic	0	(29,258)	(37)	(2,266)	1	0	54,428	3,477	26,346	0	26,346
11	Commercial Solar Photovoltaic	0	(3,425)	0	(6,317)	1	0	(4,031)	369	(13,402)	0	(13,402)
12	Florida Custom Incentive Program	0	(8,703)	249	(41,058)	13	0	(76,144)	102	(125,540)	0	(125,540)
13	Interruptible Service	(1,710)	22,599	(980)	765	13,747	0	865,749	(38)	900,133	0	900,133
14	Curtaillable Service	0	0	0	0	0	0	347,283	0	347,283	0	347,283
15	Residential Energy Mgt	(561,355)	538,007	17,020	(877,167)	(950,316)	280,587	(871,125)	(29,487)	(2,453,835)	0	(2,453,835)
16	Commercial Energy Mgt	0	0	0	0	0	0	(13,119)	0	(13,119)	0	(13,119)
17	Low Income	0	3,295	137	190	57	(8,401)	(28,788)	(2,653)	(36,164)	0	(36,164)
18	Standby Generation	(3)	36,471	2,079	9,630	49,738	0	571,551	(1,768)	667,698	0	667,698
19	Qualifying Facility	0	(13,893)	(1,406)	(5,934)	(709)	0	0	5,712	(16,230)	0	(16,230)
20	Renewable Energy Saver	0	0	0	0	0	0	0	0	0	0	0
21	Neighborhood Energy Saver	0	(14,821)	(57)	33,125	(11,425)	12,234	(128,623)	(6,745)	(116,312)	0	(116,312)
22	Conservation Program Admin	0	(622,449)	(24,218)	303,769	39,948	0	1,630	17,441	(283,878)	0	(283,878)
23	Total All Programs	(563,070)	500,111	48,849	(797,718)	(1,270,656)	546,167	(611,690)	(55,006)	(2,203,013)	0	(2,203,013)

Duke Energy Florida, LLC

Projected Energy Conservation Program Costs per Program
For the Period January 2015 - December 2015

Line No.	Program	Depreciation Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other	Sub-Total	Program Revenues (credit)	Total
1	Home Energy Check	19,490	2,754,644	77,632	27,100	426,465	128,698	79,246	45,727	3,559,002	0	3,559,002
2	Residential Incentive (HEI & New Const)	268	1,831,123	35,523	103,206	10,602	48,624	6,759,853	132,097	8,921,297	0	8,921,297
3	Business Energy Check	18,499	422,892	16,309	165,732	29,798	5,000	0	13,404	671,635	0	671,635
4	Better Business (incl. C/I New Const)	5,609	1,110,642	3,136	69,691	42,202	75,000	1,499,190	15,951	2,821,422	0	2,821,422
5	Technology Development	401	219,401	998	193,551	96,950	0	0	36,099	547,401	0	547,401
6	Solar Water Heating w/ EM	0	30,939	0	2,442	607	0	116,544	1,386	151,918	0	151,918
7	Research and Demonstration	0	30,015	339	37,826	15,000	0	0	4,646	87,826	0	87,826
8	Solar Water Heat Low Income Res Cust	0	18,739	325	5,762	18	0	109,338	1,397	135,579	0	135,579
9	Photovoltaic for Schools Pilot	0	42,805	0	7,355	5,744	1,397	1,551,064	11,190	1,619,556	0	1,619,556
10	Residential Solar Photovoltaic	0	113,821	646	3,334	38	0	2,642,146	9,415	2,769,399	0	2,769,399
11	Commercial Solar Photovoltaic	0	33,144	0	6,461	9	0	1,393,401	1,783	1,434,798	0	1,434,798
12	Florida Custom Incentive Program	0	53,552	253	42,928	29	0	85,226	1,376	183,364	0	183,364
13	Interruptible Service	20,021	60,591	1,824	4,949	39,832	0	30,405,560	5,205	30,537,983	0	30,537,983
14	Curtaillable Service	0	0	0	0	0	0	1,451,275	0	1,451,275	0	1,451,275
15	Residential Energy Mgt	11,422,584	1,174,873	25,152	2,577,218	2,239,643	507,105	23,770,137	83,270	41,799,983	0	41,799,983
16	Commercial Energy Mgt	0	174	0	0	0	0	562,584	0	562,758	0	562,758
17	Low Income	0	112,751	0	0	0	30,954	110,327	9,781	263,812	0	263,812
18	Standby Generation	85,155	115,184	7,326	16,102	49,936	0	6,300,488	9,873	6,584,065	0	6,584,065
19	Qualifying Facility	0	817,886	7,518	13,813	1,022	0	0	16,325	856,564	0	856,564
20	Renewable Energy Saver	0	0	0	0	0	0	0	0	0	0	0
21	Neighborhood Energy Saver	0	209,185	767	245,022	13,294	44,378	803,459	28,489	1,344,592	0	1,344,592
22	Conservation Program Admin	2,630	3,205,870	79,169	658,444	228,950	0	0	178,862	4,353,926	0	4,353,926
23	Total All Programs	11,574,657	12,358,231	256,919	4,180,936	3,200,141	841,155	77,639,838	606,277	110,658,154	0	110,658,154

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC

Actual Conservation Program Costs by Month
For the Period January 2015 - December 2015

Line No.	Program	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Home Energy Check	238,273	264,790	272,409	257,322	286,957	279,944	256,878	279,069	286,550	292,593	271,635	460,596	3,447,016
2	Residential Incentive (HEI & New Const)	681,943	719,519	733,735	833,483	871,733	629,516	644,761	668,558	629,682	446,411	719,706	830,064	8,409,111
3	Business Energy Check	31,085	52,044	42,942	70,149	40,121	54,750	41,706	43,423	78,727	77,860	38,072	255,703	826,584
4	Better Business (incl. C/I New Const)	113,179	143,069	337,712	130,865	191,642	307,115	286,142	540,676	(131,897)	341,527	160,324	786,430	3,206,784
5	Technology Development	52,547	46,256	5,484	(35,895)	7,079	12,060	10,192	21,093	19,283	24,677	13,246	31,011	207,033
6	Solar Water Heating w/ EM	18,923	14,709	17,103	18,776	7,202	13,535	15,032	19,509	15,264	30,462	10,597	8,530	189,643
7	Research and Demonstration	554	0	0	186	16,336	56	378	2,605	620	1,940	1,563	3,069	27,306
8	Solar Water Heat Low Income Res Cust	2,783	1,279	9,609	1,553	2,544	1,990	1,914	2,150	2,195	8,942	9,013	68,795	112,769
9	Photovoltaic for Schools Pilot	(136,498)	7,487	4,950	2,382	3,853	356,980	4,238	3,986	3,939	35,274	2,709	714,098	1,003,397
10	Residential Solar Photovoltaic	7,452	12,149	12,577	100,907	402,396	993,589	582,505	223,426	124,623	20,522	237,483	78,116	2,795,745
11	Commercial Solar Photovoltaic	1,640	2,865	3,604	3,041	3,348	22,863	299,664	78,138	371,901	201,007	213,799	219,527	1,421,396
12	Florida Custom Incentive Program	4,151	6,083	4,645	4,613	4,362	6,679	3,407	9,760	3,853	3,936	3,041	3,292	57,824
13	Interruptible Service	2,424,405	2,504,077	2,533,679	2,547,331	2,480,177	2,642,750	2,727,694	2,654,051	2,660,931	2,552,479	2,711,077	2,999,466	31,438,116
14	Curtaillable Service	99,160	105,125	153,273	152,172	102,946	123,484	187,061	255,828	152,296	197,989	149,845	119,380	1,798,558
15	Residential Energy Mgt	3,334,499	3,384,004	3,589,633	2,644,083	2,755,898	3,124,076	3,224,526	3,195,949	3,323,121	3,176,900	3,760,843	3,832,615	39,346,147
16	Commercial Energy Mgt	26,166	58,771	63,173	64,262	50,384	18,710	30,531	77,305	48,075	49,630	19,868	42,764	549,639
17	Low Income	32,843	25,161	21,544	23,604	11,453	10,418	9,746	13,940	11,465	18,272	23,901	25,300	227,648
18	Standby Generation	530,562	547,554	530,034	597,679	595,463	628,757	657,848	671,294	639,751	603,908	660,217	588,697	7,251,763
19	Qualifying Facility	69,463	69,696	74,822	71,374	70,338	71,562	69,754	72,154	73,219	76,775	76,415	44,763	840,334
20	Renewable Energy Saver	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Neighborhood Energy Saver	45,064	19,706	21,553	57,126	41,207	440,204	(98,836)	307,457	(20,448)	188,808	110,246	116,193	1,228,280
22	Conservation Program Admin	341,701	289,894	476,145	303,632	334,793	432,113	416,492	373,049	800,586	484,280	647,376	(830,012)	4,070,047
23	Total All Programs	7,919,895	8,274,237	8,908,625	7,848,645	8,280,231	10,171,150	9,371,636	9,513,421	9,093,736	8,834,191	9,840,976	10,398,397	108,455,141
24	Less: Base Rate Receovery	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Net Recoverable	7,919,895	8,274,237	8,908,625	7,848,645	8,280,231	10,171,150	9,371,636	9,513,421	9,093,736	8,834,191	9,840,976	10,398,397	108,455,141

* Gross expenditures only. Audit program revenues are accounted for in calculation of true-up schedule CT-3, Page 2 of 5.

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC
Energy Conservation Adjustment
True-Up Calculation
For the Period January 2015 - December 2015

Line No.	January	February	March	April	May	June	July	August	September	October	November	December	Total for The Period
1 Other Conservation Revenues	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Conservation Clause Revenues	6,253,625	6,326,453	6,819,605	6,820,652	7,323,469	8,325,548	8,752,884	8,789,431	8,721,222	7,607,970	7,812,082	6,735,064	90,288,006
3 Total Revenues	6,253,625	6,326,453	6,819,605	6,820,652	7,323,469	8,325,548	8,752,884	8,789,431	8,721,222	7,607,970	7,812,082	6,735,064	90,288,006
4 Prior Period True-Up Over/(Under) Recovery	(24,443,628)	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	24,443,628
5 Conservation Revenues Applicable to Period	8,290,594	8,363,422	8,856,574	8,857,621	9,360,438	10,362,517	10,789,853	10,826,400	10,758,191	9,644,939	9,849,051	8,772,033	114,731,634
6 Conservation Expenses (CT-3, Page 1 of 5, Line 23)	7,919,895	8,274,237	8,908,625	7,848,645	8,280,231	10,171,150	9,371,636	9,513,421	9,093,736	8,834,191	9,840,976	10,398,397	108,455,141
7 True-Up This Period (Over)/Under	(370,699)	(89,185)	52,051	(1,008,975)	(1,080,207)	(191,367)	(1,418,217)	(1,312,979)	(1,664,455)	(810,749)	(8,075)	1,626,364	(6,276,493)
8 Current Period Interest	(1,968)	(1,726)	(1,484)	(1,139)	(1,149)	(1,188)	(1,157)	(1,278)	(1,339)	(1,312)	(1,234)	(1,861)	(16,835)
9 Audit Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
10 True-Up & Interest Provisions Beginning of Period (Over)/Under	(24,443,628)	(22,779,326)	(20,833,268)	(18,745,732)	(17,718,877)	(16,763,264)	(14,918,850)	(14,301,256)	(13,578,543)	(13,207,369)	(11,982,460)	(9,954,800)	(24,443,628)
11 Prior True-Up Refunded/(Collected)	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	2,036,969	24,443,628
12 End of Period Net True-Up	(22,779,326)	(20,833,268)	(18,745,732)	(17,718,877)	(16,763,264)	(14,918,850)	(14,301,255.51)	(13,578,543)	(13,207,369)	(11,982,460)	(9,954,800)	(6,293,328)	(6,293,328)

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC
Calculation of Interest Provision
For the Period January 2015 - December 2015

Line No.	January	February	March	April	May	June	July	August	September	October	November	December	Total for The Period
1 Beginning True-Up Amount (CT-3, Page 2, Line 10)	(24,443,628)	(22,779,326)	(20,833,268)	(18,745,732)	(17,718,877)	(16,763,264)	(14,918,850)	(14,301,256)	(13,578,543)	(13,207,369)	(11,982,460)	(9,954,800)	
2 Ending True-Up Amount Before Interest	(22,777,358)	(20,831,542)	(18,744,248)	(17,717,738)	(16,762,115)	(14,917,662)	(14,300,099)	(13,577,265)	(13,206,030)	(11,981,148)	(9,953,566)	(6,291,467)	
3 Total Beginning & Ending True-Up	(47,220,986)	(43,610,868)	(39,577,516)	(36,463,470)	(34,480,992)	(31,680,926)	(29,218,949)	(27,878,521)	(26,784,573)	(25,188,517)	(21,936,026)	(16,246,267)	
4 Average True-Up Amount (50% of Line 3)	(23,610,493)	(21,805,434)	(19,788,758)	(18,231,735)	(17,240,496)	(15,840,463)	(14,609,474)	(13,939,261)	(13,392,287)	(12,594,259)	(10,968,013)	(8,123,134)	
5 Interest Rate: First Day Reporting Business Month	0.10%	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.11%	0.11%	0.13%	0.12%	0.15%	
6 Interest Rate: First Day subsequent Business Month	0.10%	0.09%	0.09%	0.06%	0.10%	0.08%	0.11%	0.11%	0.13%	0.12%	0.15%	0.40%	
7 Total (Line 5 + Line 6)	0.20%	0.19%	0.18%	0.15%	0.16%	0.18%	0.19%	0.22%	0.24%	0.25%	0.27%	0.55%	
8 Average Interest Rate (50% of Line 7)	0.10%	0.10%	0.09%	0.08%	0.08%	0.09%	0.10%	0.11%	0.12%	0.13%	0.14%	0.28%	
9 Interest Provision (Line 4 * Line 8) / 12	(1,968)	(1,726)	(1,484)	(1,139)	(1,149)	(1,188)	(1,157)	(1,278)	(1,339)	(1,312)	(1,234)	(1,862)	(16,836)

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

Duke Energy Florida, LLC
Conservation Account Numbers
For the Period January 2015 - December 2015

Line No.	Account	Product	Program Title
1	0908000	NRBBUS	Better Business
1	0909000	NRBBUS	Better Business (Advertising)
1	0403002	NRBBUS	Better Business (Equipment Depreciation)
2	0908000	NEWCON	Residential New Construction
2	0909000	NEWCON	Residential New Construction (Advertising)
3	0908000	SSHEI	Home Energy Improvement
3	0909000	SSHEI	Home Energy Improvement (Advertising)
3	0403002	SSHEI	Home Energy Improvement (Equipment Depreciation)
4	0908000	NRBNC	Commercial / Industrial New Construction
5	0908000	HEHC	Home Energy Check
5	0909000	HEHC	Home Energy Check (Advertising)
5	0403002	HEHC	Home Energy Check (Equipment Depreciation)
6	0908000	WZELEC	Low Income Weatherization Asst
6	0909000	WZELEC	Low Income Weatherization Asst (Advertising)
7	0908000	SOWHRD	Renewable Energy Saver
8	0908000	HWLI	Neighborhood Energy Saver
8	0909000	HWLI	Neighborhood Energy Saver (Advertising)
9	0908000	NRAOS	Business Energy Check
9	0909000	NRAOS	Business Energy Check (Advertising)
9	0403002	NRAOS	Business Energy Check (Equipment Depreciation)
10	0908000	PPCOGN	Qualifying Facility
10	0908000	PPCOGN	Qualifying Facility - COGEN contract maintenance
11	0908000	NRPRSC	Innovation Incentive
12	0908000	TECDEV	Technology Development
12	0908000	TECDEV	Technology Development (Energy Efficiency Research)
12	0403002	TECDEV	Technology Development (Equipment Depreciation)
13	0908000	STBGEN	Standby Generation
13	0403002	STBGEN	Standby Generation (Equipment Depreciation)
14	0908000	IRRSVC	Interruptible Service
14	0403002	IRRSVC	Interruptible Service (Equipment Depreciation)
15	0908000	PWRSHR	Curtable Service

Duke Energy Florida, LLC
Conservation Account Numbers
FOR THE PERIOD JANUARY 2015 THROUGH DECEMBER 2015

Line No.	Account	Product	Program Title
16	0908000	PWRMGR	Energy Management - Residential
16	0908002	PWRMGR	Energy Management - Residential (Amortization of Load Mgmt Switches)
16	0909000	PWRMGR	Energy Management - Residential (Advertising)
16	0403002	PWRMGR	Energy Management - Residential (Equipment Depreciation)
16	0908000	20078837	Other accounts included with Energy Management - Residential (SG DLC Switch Uplift)
16	0909000	20078837	Other accounts included with Energy Management - Residential (SG DLC Switch Uplift)
16	0908000	20078851	Other accounts included with Energy Management - Residential (PEF NAN-AMI)
16	0908000	20078944	Other accounts included with Energy Management - Residential (PEF ODS)
16	0908000	20078945	Other accounts included with Energy Management - Residential (NAN Telecom)
16	0908000	20079302	Other accounts included with Energy Management - Residential (NAN APP DEV)
16	0908000	20088588	Other accounts included with Energy Management - Residential (PEF LMS)
16	0908000	20091753	Other accounts included with Energy Management - Residential (PEF Pole Make Ready)
16	0908000	20091844	Other accounts included with Energy Management - Residential (NAN Telecom S1)
16	0908000	20091884	Other accounts included with Energy Management - Residential (NAN Telecom S4)
16	0908000	20091885	Other accounts included with Energy Management - Residential (NAN Telecom S5)
16	0908000	20091886	Other accounts included with Energy Management - Residential (NAN Telecom S6)
16	0908000	20091887	Other accounts included with Energy Management - Residential (NAN Telecom S7)
16	0908000	20091888	Other accounts included with Energy Management - Residential (NAN Telecom S8)
16	0908000	20092701	Other accounts included with Energy Management - Residential (PEF LLC Telecom)
16	0908000	20103953	Other accounts included with Energy Management - Residential (DEF PLAN B RDR)
16	0908000	20103955	Other accounts included with Energy Management - Residential (PEF PLAN B LMS)
16	0908000	20103959	Other accounts included with Energy Management - Residential (PEF PLAN B DLC TELECOM)
16	0908000	SGFRDRPSO	Other accounts included with Energy Management - Residential (SG DEF RDR Pre Scale Deployment)
16	0908000	SGFRDRSSO	Other accounts included with Energy Management - Residential (SG DEF RDR Switch Selection)
16	0908000	PWRMGR	Other accounts included with Energy Management - Residential (Switch installation)
17	0908000	COMLM	Energy Management - Commercial
18	0908000	NOPROD	Conservation Program Admin
18	0909000	NOPROD	Conservation Program Admin (Advertising)
18	0403002	NOPROD	Conservation Program Admin (Equipment Depreciation)
18	0908000	NOPROD	Other accounts included with Conservation Program Admin (ECCR Maintenance)
18	0908000	NOPROD	Other accounts included with Conservation Program Admin (ECCR Planning)
19	0908000	PVWHEM	Solar Water Heating w/EM
20	0908000	DSMRD	Research & Demonstration
21	0908000	PVWHLI	Solar Water Heat Low Income Res Cust
22	0908000	PVSCHP	Photovoltaic for Schools Pilot
23	0908000	PVRES	Residential Solar Photovoltaic
23	0908000	PVRES	Residential Solar Photovoltaic - CSS Input
24	0908000	PV	Commercial Solar Photovoltaic

Duke Energy Florida, LLC

Schedule of Capital Investment, Depreciation & Return
 For the Period January 2015 - December 2015

Line No.	Beginning Balance	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Home Energy Check														
2 Investments		0	0	0	0	0	0	0	0	0	0	0	0	0
3 Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4 Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	
5														
6 Depreciation Expense		983	983	983	983	983	983	983	983	983	983	983	983	11,796
7														
8 Cumulative Net investment	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462
9 Less: Accumulated Net Depreciation	1,966	2,949	3,932	4,915	5,898	6,881	7,864	8,847	9,830	10,813	11,796	12,779	13,762	13,762
10 Net Investment	80,496	79,513	78,530	77,547	76,564	75,581	74,598	73,615	72,632	71,649	70,666	69,683	68,700	68,700
11 Average Investment		80,004	79,021	78,038	77,055	76,072	75,089	74,106	73,123	72,140	71,157	70,174	69,191	
12 Return on Avg Investment		472	467	460	454	449	443	441	435	430	424	417	412	5,304
13														
14 Return Requirements		685	677	667	659	651	643	639	631	623	615	605	597	7,692
15														
16 Program Total		1,668	1,660	1,650	1,642	1,634	1,626	1,622	1,614	1,606	1,598	1,588	1,580	19,488
17														
18 Residential Incentive (HEI & New Const)														
19 Investments		0	0	0	0	0	0	0	0	0	0	0	0	0
20 Retirements		28,783	0	0	0	0	0	0	0	0	0	0	0	28,783
21 Depreciation Base		14,392	0	0	0	0	0	0	0	0	0	0	0	
22														
23 Depreciation Expense		266	0	0	0	0	0	0	0	0	0	0	0	266
24														
25 Cumulative Net investment	28,783	0	0	0	0	0	0	0	0	0	0	0	0	0
26 Less: Accumulated Net Depreciation	28,517	0	0	0	0	0	0	0	0	0	0	0	0	0
27 Net Investment	267	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Average Investment		133	0	0	0	0	0	0	0	0	0	0	0	
29 Return on Avg Investment		1	0	0	0	0	0	0	0	0	0	0	0	1
30														
31 Return Requirements		2	0	0	0	0	0	0	0	0	0	0	0	2
32														
33 Program Total		268	0	0	0	0	0	0	0	0	0	0	0	268
34														
35 Load Management Switches														
36 Investments		39,150	10,620	17,159	91,469	483	3,325	146,108	409,980	366,988	518,771	314,391	608,260	2,526,706
37 Retirements		65,340	82,143	120,805	176,597	153,708	121,741	216,004	262,314	320,058	115,125	276,163	155,402	2,065,400
38 Investments Booked to CWIP		10,874	3,547	63,976	205,345	289,523	585,142	119,868	21,271	20,860	17,164	16,827	6,878	1,361,274
39 Closing to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
40 Depreciation Base		7,238,596	7,189,740	7,102,155	7,007,768	6,888,592	6,752,771	6,658,616	6,697,501	6,794,799	7,020,087	7,241,024	7,486,567	
41														
42 Amortization Expense		120,644	119,829	118,369	116,796	114,810	112,546	110,977	111,625	113,247	117,002	120,684	124,776	1,401,305
43														
44 Cumulative Net investment	7,251,691	7,225,501	7,153,978	7,050,332	6,965,204	6,811,980	6,693,563	6,623,668	6,771,334	6,818,264	7,221,910	7,260,138	7,712,997	7,712,997
45 Less: Accumulated Net Depreciation	4,766,090	4,821,394	4,859,081	4,856,644	4,796,843	4,757,945	4,748,750	4,643,723	4,493,034	4,286,223	4,288,100	4,132,621	4,101,995	4,101,995
46 Cumulative CWIP	7,842,472	7,853,345	7,856,892	7,920,867	8,126,212	8,415,736	9,000,878	9,120,746	9,142,017	9,162,877	9,180,041	9,196,868	9,203,746	9,203,746
47 Net Investment	10,328,072	10,257,452	10,151,790	10,114,555	10,294,573	10,469,770	10,945,691	11,100,691	11,420,317	11,694,918	12,113,851	12,324,385	12,814,747	12,814,747
48 Average Investment		10,292,762	10,204,621	10,133,172	10,204,564	10,382,172	10,707,731	11,023,191	11,260,504	11,557,617	11,904,385	12,219,118	12,569,566	
49 Return on Avg Investment		60,727	60,207	59,786	60,207	61,255	63,176	65,642	67,055	68,824	70,890	72,764	74,851	785,384
50														
51 Return Requirements		88,090	87,336	86,725	87,336	88,856	91,643	95,176	97,225	99,790	102,786	105,503	108,529	1,138,995
52														
53 Program Total		208,734	207,165	205,094	204,132	203,666	204,189	206,153	208,850	213,037	219,788	226,187	233,305	2,540,300

Notes:

- Jan-Jun return on average investment is calculated using an annual rate of 7.08% based on May 2014 DEF Surveillance Report capital structure & cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul-Dec return on average investment is calculated using an annual rate of 7.15% based on May 2015 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC

Schedule of Capital Investment, Depreciation & Return
 For the Period January 2015 - December 2015

Line No.	Beginning Balance	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Technology Development														
2 Investments		0	0	0	0	0	0	0	0	0	0	0	0	0
3 Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4 Depreciation Base		13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	
5														
6 Depreciation Expense		221	178	0	0	0	0	0	0	0	0	0	0	399
7														
8 Cumulative Net investment	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
9 Less: Accumulated Net Depreciation	12,848	13,069	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
10 Net Investment	399	178	0	0	0	0	0	0	0	0	0	0	0	0
11 Average Investment		289	89	0	0	0	0	0	0	0	0	0	0	
12 Return on Avg Investment		1	0	0	0	0	0	0	0	0	0	0	0	1
13														
14 Return Requirements		2	0	0	0	0	0	0	0	0	0	0	0	2
15														
16 Program Total		223	178	0	0	0	0	0	0	0	0	0	0	401
17														
18 Standby Generation														
19 Investments		0	0	0	0	0	0	0	0	0	0	0	0	0
20 Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
21 Depreciation Base		366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	
22														
23 Depreciation Expense		6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	6,101	73,212
24														
25 Cumulative Net investment	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050	366,050
26 Less: Accumulated Net Depreciation	213,590	219,691	225,792	231,893	237,994	244,095	250,196	256,297	262,398	268,499	274,600	280,701	286,802	286,802
27 Net Investment	152,460	146,359	140,258	134,157	128,056	121,955	115,854	109,753	103,652	97,551	91,450	85,349	79,248	79,248
28 Average Investment		149,410	143,309	137,208	131,107	125,006	118,905	112,804	106,703	100,602	94,501	88,400	82,299	
29 Return on Avg Investment		881	846	810	774	737	701	671	635	599	563	526	490	8,233
30														
31 Return Requirements		1,278	1,227	1,175	1,123	1,069	1,017	973	921	868	816	763	710	11,940
32														
33 Program Total		7,379	7,328	7,276	7,224	7,170	7,118	7,074	7,022	6,969	6,917	6,864	6,811	85,152
34														
35 Better Business														
36 Investments		0	0	0	0	0	0	0	0	0	0	0	0	0
37 Retirements		24,059	0	0	0	0	0	0	0	0	0	16,976	0	41,035
38 Depreciation Base		39,825	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	19,308	10,820	
39														
40 Depreciation Expense		664	463	463	463	463	463	463	463	463	463	322	180	5,333
41														
42 Cumulative Net investment	51,855	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	27,796	10,820	10,820	10,820
43 Less: Accumulated Net Depreciation	46,217	22,822	23,285	23,748	24,211	24,674	25,137	25,600	26,063	26,526	26,989	10,335	10,515	10,515
44 Net Investment	5,638	4,974	4,511	4,048	3,585	3,122	2,659	2,196	1,733	1,270	807	485	305	305
45 Average Investment		5,306	4,742	4,279	3,816	3,353	2,890	2,427	1,964	1,501	1,038	646	395	
46 Return on Avg Investment		31	28	25	22	20	17	14	11	9	6	4	3	190
47														
48 Return Requirements		45	41	36	32	29	25	20	16	13	9	6	4	276
49														
50 Program Total		709	504	499	495	492	488	483	479	476	472	328	184	5,609

Notes:

- Jan-Jun return on average investment is calculated using an annual rate of 7.08% based on May 2014 DEF Surveillance Report capital structure & cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul-Dec return on average investment is calculated using an annual rate of 7.15% based on May 2015 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC

Schedule of Capital Investment, Depreciation & Return
For the Period January 2015 - December 2015

Line No.	Beginning Balance	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Residential Energy Management - Smartgrid AMI Meters (D)														
2		0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0
6		22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	
7														
8		112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	1,345,704
9														
10		22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012
11		2,515,103	2,627,245	2,739,387	2,851,529	2,963,671	3,075,813	3,187,955	3,300,097	3,412,239	3,524,381	3,636,523	3,748,665	3,860,807
12		0	0	0	0	0	0	0	0	0	0	0	0	0
13		20,025,909	19,913,767	19,801,625	19,689,483	19,577,341	19,465,199	19,353,057	19,240,915	19,128,773	19,016,631	18,904,489	18,792,347	18,680,205
14			19,969,838	19,857,696	19,745,554	19,633,412	19,521,270	19,409,128	19,296,986	19,184,844	19,072,702	18,960,560	18,848,418	18,736,276
15			117,822	117,161	116,499	115,837	115,175	114,514	114,912	114,244	113,576	112,908	112,241	111,572
16														
17			170,912	169,953	168,993	168,033	167,072	166,114	166,615	165,646	164,678	163,709	162,742	161,772
18														
19			283,054	282,095	281,135	280,175	279,214	278,256	278,757	277,788	276,820	275,851	274,884	273,914
20														
21 Residential Energy Management - Non-Smartgrid Residential Projects (D)														
22		0	0	0	0	0	0	0	0	0	0	0	0	0
23		33,316	34,571	0	0	0	0	0	0	0	0	0	0	67,887
24		0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0
26		153,635	119,692	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406
27														
28		2,561	1,995	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	1,707	21,626
29														
30		170,293	136,977	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406	102,406
31		122,676	91,921	59,345	61,052	62,759	64,466	66,173	67,880	69,587	71,294	73,001	74,708	76,415
32		0	0	0	0	0	0	0	0	0	0	0	0	0
33		47,617	45,056	43,061	41,354	39,647	37,940	36,233	34,526	32,819	31,112	29,405	27,698	25,991
34			46,336	44,058	42,207	40,500	38,793	37,086	35,379	33,672	31,965	30,258	28,551	26,845
35			273	260	249	239	229	219	211	201	190	180	170	160
36														
37			396	377	361	346	332	318	306	291	275	261	247	232
38														
39			2,957	2,372	2,068	2,053	2,039	2,025	2,013	1,998	1,982	1,968	1,954	1,939

Notes:

- Jan-Jun return on average investment is calculated using an annual rate of 7.08% based on May 2014 DEF Surveillance Report capital structure & cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul-Dec return on average investment is calculated using an annual rate of 7.15% based on May 2015 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Program Description and Progress

Program Title: Home Energy Check Program

Program Description: The Home Energy Check Program is a residential energy audit program that provides customers with an analysis of their energy consumption as well as educational information on how to reduce energy usage and save money. The audit provides Duke Energy Florida, LLC (DEF) an opportunity to promote and directly install cost-effective measures in customer homes, and educate and encourage customers to implement energy-saving practices. The Home Energy Check Program is the foundation for other residential Demand Side Management Programs and offers the following types of energy audits:

- Type 1: Free Walk-Through (computer assisted)
- Type 2: Customer Online (Internet Option)
- Type 3: Customer Phone Assisted
- Type 4: Home Energy Rating (BERS/HERS) Audit

The Home Energy Check Program provides residential customers with energy efficiency tips and examples of easily installed energy efficiency measures. The program promotes continued customer involvement by demonstrating sustainable and measurable reductions in energy usage through the implementation of low cost energy efficiency measures and energy saving recommendations. Participants in the program may receive a residential Energy Efficiency Kit that contains energy saving measures that can be easily installed and utilized by the customer. Contents of this kit are evaluated periodically and may change over time.

Program Accomplishments - January 2015 - December 2015:

30,901 customers participated in the Home Energy Check Program.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$3,447,016.

Program Progress Summary:

842,374 participants have participated in the Home Energy Check Program since inception. DEF will continue to use this program to inform customers about cost effective energy efficiency measures they can implement and incentives on home energy improvements for which they may be eligible.

Program Description and Progress

Program Title: Residential Incentive Program

Program Description: The Residential Incentive Program provides incentives to customers for energy efficiency improvements for both existing and new homes. The Residential Incentive Program includes incentives for measures such as duct testing, duct repair, attic insulation, replacement windows, high efficiency heat pump replacing resistance heat, high efficiency heat pump replacing a heat pump, and newly constructed Energy Star homes.

Program Accomplishments - January 2015 - December 2015:

53,179 measures were implemented through this program resulting in a savings of 14.7 Summer MW's, 25.9 Winter MW's and 25.3 GWH's.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$8,409,111.

Program Variance Explanation - January 2015 - December 2015:

Incentives were \$642,124 lower than the 2015 Actual/Estimated Filing due to reduced participation and delays in project completions.

Program Progress Summary:

955,207 measures have been implemented through this program. This program will continue to be offered to residential customers to provide opportunities for improving the energy efficiency of existing and new homes.

Program Description and Progress

Program Title: Neighborhood Energy Saver Program

Program Description: DEF's Neighborhood Energy Saver program is designed to assist customers in selected neighborhoods where approximately 50% of the households have incomes equal to or less than 200% of the poverty level established by the U.S. Government. DEF or a third party contractor directly installs energy conservation measures, identified through an energy assessment, in the customer homes to increase energy efficiency. Customers also receive a comprehensive package of energy education materials which inform them on ways to better manage their energy usage. The energy conservation measures are installed and energy efficiency education is provided at no cost to the participants.

Program Accomplishments - January 2015 - December, 2015:

39,940 energy efficiency measures were installed on 3,420 residential homes resulting in a savings of approximately 1.2 SMW's, 1.4 WMW's, and 3.8 GWH's.

Program Fiscal Expenditures - January 2015 - December, 2015:

Expenses for this program were \$1,228,280.

Program Progress Summary:

Since program inception, 24,111 participants have benefited from the Neighborhood Energy Saver Program. This program will continue to be offered to income eligible neighborhoods in DEF's service territory.

Program Description and Progress

Program Title: Low-Income Weatherization Assistance Program

Program Description: The Low-Income Weatherization Assistance Program (LIWAP) is designed to integrate DEF's DSM program measures with assistance provided by the Florida Department of Economic Opportunity (DEO) and local weatherization providers to deliver energy efficiency measures to income eligible families. Through this partnership, DEF assists local weatherization agencies by providing energy education materials and financial incentives to weatherize the homes of low-income families.

Program Accomplishments - January 2015 - December 2015:

1,656 weatherization measures were installed on 337 residential homes.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$227,648.

Program Progress Summary:

21,338 measures have been implemented through this program. DEF participates in local, state-wide and national agency meetings to promote the delivery of this program. Meetings with weatherization and other low income agencies are conducted throughout DEF's territory to encourage customer participation in energy efficiency programs.

Program Description and Progress

Program Title: Residential/Commercial Energy Management Program

Program Description: The Residential Energy Management Program is a voluntary program that provides the opportunity to reduce demand and potentially defer the need for additional MW's. This Program incorporates control of selected customer equipment to reduce system demand during winter and summer peak capacity periods and/or emergency conditions by temporarily interrupting selected customer appliances for specified periods of time. Residential customers have a choice of options and receive a credit on their monthly electric bills depending on the load control options they select and their monthly kWh usage. The Residential Energy Management Program provides approximately ~700 MW's of winter and ~384 MW's of summer peak load reduction.

The Commercial Energy Management Program was closed to new customers in July 2000. There are 63 participants remaining on the program.

Program Accomplishments - January 2015 - December 2015:

5,025 customers were added to the residential program. The commercial program is closed to new participants.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for the Residential program were \$39,346,147. Expenses for the commercial program were \$549,639.

Program Variance Explanation - January 2015 - December 2015:

Total program expenses were approximately \$2.5M lower than the 2015 Actual/Estimated Filing due primarily to \$561k in lower Depreciation, Amortization & Return as a result of delayed in-service date for the new Load Management System software system; \$877K and \$950K favorable variances in Outside Services and Materials & Supplies, respectively, due to costs for new installs that were projected as O&M expenses versus capital; and \$871K in lower incentives due to milder weather and fewer new program participants than projected. These favorable variances were partially offset by higher payroll costs due to costs projected in Energy Conservation Administration versus directly to the program.

Program Progress Summary:

402,116 residential and 63 commercial customers participate in this program.

Program Description and Progress

Program Title: Business Energy Check Program

Program Description: The Business Energy Check Program provides energy audits to commercial customers. These audits can be completed over the phone or at a customer's facility by a qualified DEF Energy Assessor. This program identifies and informs customers about cost effective energy saving measures that can be implemented at their facility. The Business Energy Check Program serves as the foundation for the Better Business Program.

Program Accomplishments - January 2015 - December 2015:
1,486 customers participated in this program.

Program Fiscal Expenditures - January 2015 - December 2015:
Expenses for this program were \$826,584.

Program Progress Summary:

40,958 non-residential customers have participated in the Business Energy Check Program since inception. This program will continue to educate and inform customers about cost effective energy efficiency improvements which can be implemented.

Program Description and Progress

Program Title: Better Business Program

Program Description: This umbrella efficiency program provides incentives to existing commercial, industrial and governmental customers for heating, air conditioning, ceiling and roof insulation upgrades, duct leakage and repair, demand-control ventilation, cool roof coating, high efficiency energy recovery ventilation and HVAC optimization qualifying measures.

Program Accomplishments - January 2015 - December 2015:

1,030 measures were implemented under this program.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$3,206,784.

Program Variance Explanation - January 2015 - December 2015:

Payroll & Benefits were \$539,419 higher than the 2015 Actual/Estimated Filing due to costs projected as Energy Conservation Administration versus direct program expenses.

Program Progress Summary:

19,569 measures have been implemented through the Better Business Program.

Program Description and Progress

Program Title: Florida Custom Incentive Program

Program Description: The Florida Custom Incentive Program is designed to encourage customers to make capital investments for energy efficiency measures which reduce peak KW and provide energy savings. This program provides incentives for individual custom projects which are cost effective, but not otherwise addressed through DEF's prescriptive programs. Examples of energy efficient technologies that would be considered under this program include, but are not limited to, new construction measures and new thermal energy storage systems.

Program Accomplishments - January 2015 - December 2015:

7 customers participated in the program resulting in a savings of 73 SMW's, 24 WMW's and .14 GWH's.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$57,824.

Program Variance Explanation - January 2015 - December 2015:

Program costs were \$125,540 less than projected due to delays in project completions and fewer custom projects than projected.

Program Progress Summary:

209 projects have received incentives through this program since inception. This program continues to target specialized customer specific energy efficiency measures not covered through DEF's prescriptive commercial programs.

Program Description and Progress

Program Title: Standby Generation

Program Description: The Standby Generation Program is a demand control program that reduces DEF's system demand based on control of customer equipment. It is a voluntary program available to commercial and industrial customers who have on-site generation capability and are willing to reduce their DEF demand when necessary. This program is part of DEF's General Service Load Management-2 (GSLM-2) rate schedule.

Program Accomplishments - January 2015 - December 2015:

25 accounts were added to the program resulting in 20.6 MW's of load control..

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$7,251,763.

Program Variance Explanation - January 2015 - December 2015:

Incentives were \$571,551 higher than the 2015 Actual/Estimated Filing due to the addition of 25 accounts versus 10 projected new accounts.

Program Progress Summary:

There were 283 accounts participating in this program in 2015.

Program Description and Progress

Program Title: Interruptible Service Program

Program Description: The Interruptible Service Program is a direct load control program that reduces DEF's system demand at times of capacity shortage during peak or emergency conditions.

Program Accomplishments - January 2015 - December 2015:

2 accounts were added to the program.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$31,438,116.

Program Variance Explanation - January 2015 - December 2015:

Incentives were \$865,749 higher than the 2015 Actual/Estimated Filing due to more program participants than projected.

Program Progress Summary:

135 accounts currently participate in this program.

Program Description and Progress

Program Title: Curtailable Service Program

Program Description: The Curtailable Service Program is an indirect load control program that reduces DEF's system demand at times of capacity shortage during peak or emergency conditions.

Program Accomplishments - January 2015 - December 2015:

No accounts were added to this program.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$1,798,558.

Program Variance Explanation - January 2015 - December 2015:

Program expenses were \$347,283 higher than the 2015 Actual/Estimated Filing due to higher customer usage resulting in higher incentive payments.

Program Progress Summary:

There were 4 accounts participating in this program in 2015.

Program Description and Progress

Program Title: Solar Water Heating with Energy Management Program

Program Description: This pilot program provided a \$550 one-time upfront incentive to residential customers who installed a solar thermal water heating system along with monthly bill credits for participating in the Residential Energy Management Program. The customer's heating, air conditioning and water heating systems were required to be on the Residential Energy Management Program and the solar thermal system had to provide a minimum of 50% of the water heating load. The Solar Water Heating with Energy Management Program was implemented in 2011 along with a new online application process and continued to be offered in DEF's service territory through 2015.

Program Accomplishments - January, 2015 - December, 2015:

295 customers participated in the program.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$189,643.

Program Variance Explanation - January 2015 - December 2015:

Program expenses were \$37,725 higher than the 2015 Actual/Estimated Filing due to higher customer participation than projected.

Program Progress Summary:

This program was implemented in 2011 along with a new online application process. This program ended at year-end 2015.

Program Description and Progress

Program Title: Solar Water Heating Low Income Residential Pilot

Program Description: This pilot program is a customer renewable energy measure designed to assist income eligible families with energy costs by incorporating a solar thermal water heating system in their residence while it is under construction. The solar thermal system is provided at no cost to non-profit builders or residential participants. This program was implemented in 2011 and continued through 2015.

Program Accomplishments - January, 2015 - December, 2015:

25 customers participated in this program.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$112,769.

Program Progress Summary:

This pilot program was implemented in 2011. This program ended at year-end 2015.

Program Description and Progress

Program Title: Residential Solar Photovoltaic Pilot

Program Description: This pilot program provided incentives to residential customers to install new solar photovoltaic (PV) systems on their home. The pilot program included an annual reservation process for pre-approval to ensure incentive funds were available to participants. Participants were eligible to receive a rebate of \$2.00 per Watt of the PV dc power rating up to a \$20,000 maximum for installing a new PV system. This program was implemented in 2011 along with a new online application process and continued to be offered in DEF's service territory through 2015.

Program Accomplishments - January, 2015 - December, 2015:

154 customers participated in this program.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$2,795,745.

Program Progress Summary:

This pilot program was implemented in 2011 along with an online application process. This program ended at year-end 2015.

Program Description and Progress

Program Title: Commercial Solar Photovoltaic Pilot

Program Description: This pilot program was part of DEF's Demand-Side Renewable Portfolio and encouraged commercial customers to install new solar photovoltaic (PV) systems on their facilities. Additionally, it promoted the installation of renewable energy on energy efficient businesses by requiring customers to complete a Business Energy Check prior to installation. The program design included an annual reservation process for pre-approval to ensure the maximum incentive funds were available for participation. Participants were eligible to receive a rebate up to \$2.00 per Watt of the PV DC power rating for the first 10 KW, \$1.50 per Watt for 11KW to 50 KW, and \$1.00 per Watt for 51 KW to 100 KW, up to a \$130,000 maximum for installing a new PV system.

Program Accomplishments - January, 2015 - December, 2015:

21 customers participated in this program.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$1,421,396.

Program Progress Summary: This pilot program was implemented in 2011 along with an online application process. This program ended at year-end 2015.

Program Description and Progress

Program Title: Photovoltaic for Schools Pilot

Program Description: This pilot program was part of DEF's Demand-Side Renewable Portfolio and was designed to promote energy education and provide participating public schools with new solar photovoltaic (PV) systems at no cost to the school. The pilot program was limited to an annual target of one system with a rating up to 100 kW installed on a post-secondary school and up to ten (10) 10 kW systems with a battery backup option installed on K-12 schools, preferably those serving as emergency shelters. This pilot program was implemented in 2011 and continued to be offered in DEF's service territory through 2015.

Program Accomplishments - January, 2015 - December, 2015:

8 customers participated in this program.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$1,003,397.

Program Variance Explanation - January 2015 - December 2015:

Incentives were \$595,842 lower than the 2015 Actual/Estimated Filing due to all 10 schools opting for straight-grid-tied (non-battery) PV systems.

Program Progress Summary:

This pilot program was implemented in 2011. Since inception PV systems were installed on 38 K-12 schools and 5 post-secondary public schools. This program ended at year-end 2015.

Program Description and Progress

Program Title: Research and Demonstration Pilot

Program Description: The purpose of this program was to research technology and support the development of renewable energy pilot programs. Demonstration projects provided the opportunity for field testing. The objective of these projects was to study and better understand the associated impacts of increased solar PV penetration and gain a better understanding of the performance variability of different solar PV technologies.

Program Accomplishments - January, 2015 - December, 2015:

Several research and development projects continued in 2015.

- Participated in a study to determine impacts from increased penetration of PV resources on distribution circuits utilizing data collected in DEF's PV monitoring project.
- Continued collaboration with EPRI to collect and evaluate the potential for Solar PV in Florida.
- Continued collaboration with the University of South Florida and the Florida High-Tech Corridor on the research milestones for the USF Renewable Energy Storage Project. This project included integration of a state-of-the-art lithium-ion energy storage system with the 100 kW solar PV system at the University of South Florida, St. Petersburg Campus. The Renewable Energy Storage Project explored the use of large-scale energy storage for mitigation of issues due to integration of solar PV, making the energy produced by these arrays available when most valuable, and enabling the operation of solar PV systems during extended grid outages resulting from hurricanes and other natural disasters.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$27,306.

Program Progress Summary:

The Research and Demonstration Pilot was initiated during 2011 along with the Demand Side Renewable Portfolio of pilot programs. This program ended at year-end 2015.

Program Description and Progress

Program Title: Technology Development

Program Description: The Technology Development Program is designed to allow DEF to investigate technologies that support the development of new demand response and energy efficiency programs. This program includes, but is not limited to, technological research, field demonstration projects, research on load behavior and demand-side management measures and other market related research.

Program Accomplishments - January 2015 - December 2015:

Several research and development projects continued and/or launched in 2015.

- Continued and enhanced a project for appliance energy efficiency and demand response using CEA-2045 modular communications interface for energy management including field pilot projects.
- Continued to collaborate with the University of South Florida on a project for commercial building energy efficiency and demand response utilizing control systems that interface with existing customer building management systems.
- Expanded the demonstration of technologies that utilize Variable Speed Heat Pumps with the potential of eliminating strip heat as a back-up heat source for heat pumps
- Continued data collection to document solar resource on distribution feeders associated with our solar PV monitoring project.
- Participated in a EPRI project to study the potential of using customer demand response to provide benefits to compensate for variable loads and intermittent renewable generation resources.
- Started a project to improve the efficacy of commercial energy audits through analysis of available customer data to identify candidates that are likely to benefit from energy efficiency measures.
- Partnered with EPRI and other research organizations to evaluate energy efficiency, energy storage and alternative energy / innovative technologies.

Program Fiscal Expenditures - January 2015 - December 2015:

Expenses for this program were \$207,033.

Program Progress Summary:

In 2015, DEF continued to focus on advancing new technologies which have the potential to provide new programs and create new customer offerings.

Program Description and Progress

Program Title: Qualifying Facility

Program Description: The purpose of this program is to meet the objectives and obligations established by Section 366.051, Florida Statutes, and the Commission's rules contained within Chapter 25-17, Florida Administrative Code, regarding the purchase of as-available energy and firm energy and capacity from qualifying facilities including those that utilize renewable sources under Section 366.91, Florida Statutes pursuant to an as-available tariff, standard offer or negotiated contracts.

Under the Qualifying Facilities program, DEF facilitates and administers the power purchases from qualifying facilities and state jurisdictional interconnections. This Program develops standard offer contracts, negotiates, enters into, amends and restructures non-firm energy, and firm energy and capacity contracts entered into with qualifying cogeneration, small power producers, and renewable facilities.

Program Accomplishments - January, 2015 - December, 2015:

Avoided cost and state jurisdictional interconnection service activity with renewable and distributed resource (DR) developers remained constant in 2015. DEF had contact with over 30 QF/DR developers who are exploring distributed generation options in Florida.

DEF successfully administered all in-service QF purchased power contracts for contractual compliance.

Program Fiscal Expenditures - January, 2015 - December, 2015:

Expenses for this program were \$840,334.

Program Progress Summary:

As of December 31, 2015, this program administered a total firm capacity from in-service Qualifying Facilities of approximately 481 MW's

DUKE ENERGY FLORIDA, LLC
Energy Conservation Cost Recovery
Final True-Up
January 2015 - December 2015
Capital Structure and Cost Rates

FPSC Docket No. 160002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. ___(LJC-1T)
Schedule CT-6
Page 1 of 1
May 2, 2016

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,101,842	48.36%	0.10500	5.080%	8.270%
PS	-	0.00%	0.00000	0.000%	0.000%
LTD	3,174,547	37.42%	0.05216	1.950%	1.950%
STD	79,303	0.93%	0.01220	0.010%	0.010%
CD-Active	157,817	1.86%	0.02254	0.040%	0.040%
CD-Inactive	1,181	0.01%	0.00000	0.000%	0.000%
ADIT	1,114,885	13.14%	0.00000	0.000%	0.000%
FAS 109	(148,097)	-1.75%	0.00000	0.000%	0.000%
ITC	1,246	0.01%	0.00000	0.000%	0.000%
Total	\$ 8,482,724	100.00%		7.080%	10.270%
			Total Debt	2.000%	2.000%
			Total Equity	5.080%	8.270%

May 2014 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,681,853	48.76%	0.10500	5.120%	8.335%
PS	-	0.00%	0.00000	0.000%	0.000%
LTD	3,672,596	38.25%	0.05187	1.984%	1.984%
STD	(90,568)	-0.94%	0.00170	-0.002%	-0.002%
CD-Active	182,163	1.90%	0.02306	0.044%	0.044%
CD-Inactive	1,306	0.01%	0.00000	0.000%	0.000%
ADIT	1,318,615	13.73%	0.00000	0.000%	0.000%
FAS 109	(164,391)	-1.71%	0.00000	0.000%	0.000%
ITC	498	0.01%	0.00000	0.000%	0.000%
Total	\$ 9,602,073	100.00%		7.146%	10.361%
			Total Debt	2.026%	2.026%
			Total Equity	5.120%	8.335%

May 2015 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy & Demand Allocation % by Rate Class
January 2017 - December 2017

Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. (LJC-1P)
Schedule C-1
Page 1 of 2

Rate Class	(1) Average 12CP Load Factor at Meter (%)	(2) Sales at Meter (mWh)	(3) Avg 12 CP at Meter (MW) (2)/(8760hrs x (1))	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (mWh) (2)/(4)	(6) Avg 12 CP at Source (MW) (3)/(4)	(7) Annual Average Demand (5)/(8760hrs)	(8) mWh Sales at Source Energy Allocator (%)	(9) 12 CP Demand Allocator (%)	(10) 12CP & 1/13 AD Demand Allocator (%)
<u>Residential</u>										
RS-1, RST-1, RSL-1, RSL-2, RSS-1 Secondary	0.518	20,141,254	4,439.32	0.9467387	21,274,354	4,689.06	2,428.58	51.544%	61.523%	60.755%
<u>General Service Non-Demand</u>										
<u>GS-1, GST-1</u>										
Secondary	0.682	1,837,382	307.72	0.9467387	1,940,749	325.03	221.55	4.702%	4.265%	4.298%
Primary	0.682	15,404	2.58	0.9762055	15,779	2.64	1.80	0.038%	0.035%	0.035%
Transmission	0.682	3,081	0.52	0.9862055	3,124	0.52	0.36	0.008%	0.007%	0.007%
								<u>4.748%</u>	<u>4.306%</u>	<u>4.340%</u>
<u>General Service</u>										
GS-2 Secondary	1.000	170,272	19.44	0.9467387	179,851	20.53	20.53	0.436%	0.269%	0.282%
<u>General Service Demand</u>										
<u>GSD-1, GSDT-1</u>										
Secondary	0.749	12,108,998	1,846.29	0.9467387	12,790,222	1,950.16	1,460.07	30.988%	25.587%	26.003%
Primary	0.749	2,353,133	358.79	0.9762055	2,410,489	367.53	275.17	5.840%	4.822%	4.901%
Transmission	0.749	0	0.00	0.9862055	0	0.00	0.00	0.000%	0.000%	0.000%
SS-1 Primary	1.166	32,162	3.15	0.9762055	32,946	3.23	3.76	0.080%	0.042%	0.045%
Transm Del/ Transm Mtr	1.166	8,609	0.84	0.9862055	8,729	0.85	1.00	0.021%	0.011%	0.012%
Transm Del/ Primary Mtr	1.166	2,282	0.22	0.9762055	2,338	0.23	0.27	0.006%	0.003%	0.003%
								<u>36.935%</u>	<u>30.466%</u>	<u>30.963%</u>
<u>Curtaillable</u>										
<u>CS-1, CST-1, CS-2, CST-2</u>										
Secondary	1.305	0	0.00	0.9467387	0	0.00	0.00	0.000%	0.000%	0.000%
Primary	1.305	81,904	7.16	0.9762055	83,900	7.34	9.58	0.203%	0.096%	0.105%
SS-3 Primary	0.583	50,697	9.93	0.9762055	51,933	10.17	5.93	0.126%	0.133%	0.133%
								<u>0.329%</u>	<u>0.230%</u>	<u>0.237%</u>
<u>Interruptible</u>										
<u>IS-1, IST-1, IS-2, IST-2</u>										
Secondary	1.009	87,039	9.84	0.9467387	91,936	10.40	10.49	0.223%	0.136%	0.143%
Sec Del/Primary Mtr	1.009	4,421	0.50	0.9762055	4,529	0.51	0.52	0.011%	0.007%	0.007%
Primary Del / Primary Mtr	1.009	1,321,165	149.41	0.9762055	1,353,368	153.05	154.49	3.279%	2.008%	2.106%
Primary Del / Transm Mtr	1.009	425	0.05	0.9862055	431	0.05	0.05	0.001%	0.001%	0.001%
Transm Del/ Transm Mtr	1.009	268,068	30.32	0.9862055	271,818	30.74	31.03	0.659%	0.403%	0.423%
Transm Del/ Primary Mtr	1.009	249,648	28.23	0.9762055	255,733	28.92	29.19	0.620%	0.379%	0.398%
SS-2 Primary	0.870	9,777	1.28	0.9762055	10,015	1.31	1.14	0.024%	0.017%	0.018%
Transm Del/ Transm Mtr	0.870	8,497	1.12	0.9862055	8,616	1.13	0.98	0.021%	0.015%	0.015%
Transm Del/ Primary Mtr	0.870	72,672	9.54	0.9762055	74,443	9.77	8.50	0.180%	0.128%	0.132%
								<u>5.017%</u>	<u>3.095%</u>	<u>3.243%</u>
<u>Lighting</u>										
LS-1 (Secondary)	5.506	387,147	8.03	0.9467387	408,927	8.48	46.68	0.991%	0.111%	0.179%
		<u>39,214,037</u>	<u>7,234.27</u>		<u>41,274,230</u>	<u>7,621.67</u>	<u>4,711.67</u>	<u>100.000%</u>	<u>100.000%</u>	<u>100.000%</u>

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 14
PARTY: DUKE ENERGY FLORIDA, LLC -
DIRECT
DESCRIPTION: Lori J. Cross LJC-1P

Notes:

- | | |
|--|---|
| (1) Average 12CP load factor based on load research study filed July 31, 2015 (Rule 25-6-0437 (7)) | (6) Column 3 / Column 4 |
| (2) Projected kWh sales for the period January 2017 to December 2017 | (7) Column 5 / 8,760 hours |
| (3) Calculated: Column 2 / (8,760 hours x Column 1) | (8) Column 5/ Total Column 5 |
| (4) Based on system average line loss analysis for 2015 | (9) Column 6/ Total Column 6 |
| (5) Column 2 / Column 4 | (10) Column 8 x 1/13 + Column 9 x 12/13 |

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy Conservation Cost Recovery Rate Factors by Rate Class
January 2017 - December 2017

Rate Class	(1) mWh Sales at Source Energy Allocator (%)	(2) 12CP & 1/13 AD Demand Allocator (%)	(3) Energy- Related Costs (\$)	(4) Production Demand Costs (\$)	(5) Total Energy Conservation Costs (\$)	(6) Projected Effective Sales at Meter Level (mWh)	(7) Billing KW Load Factor (%)	(8) Projected Effective KW at Meter Level (kW)	(9) Energy Conservation Cost Recovery (\$/kW-month)	(10) Energy Conservation Cost Recovery (cents/kWh)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1 Secondary	51.544%	60.755%	\$ 13,332,645	\$ 50,556,801	\$ 63,889,446	20,141,254				0.317
General Service Non-Demand										
GS-1, GST-1										
Secondary						1,837,382				0.261
Primary						15,250				0.258
Transmission						3,019				0.256
TOTAL GS	4.748%	4.340%	\$ 1,228,115	\$ 3,611,581	\$ 4,839,696	1,855,651				
General Service										
GS-2 Secondary	0.436%	0.282%	\$ 112,713	\$ 234,808	\$ 347,521	170,272				0.204
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						12,108,998			0.98	
Primary						2,363,701			0.97	
Transmission						8,437			0.96	
TOTAL GSD	36.935%	30.963%	\$ 9,553,874	\$ 25,765,970	\$ 35,319,844	14,481,136	54.90%	36,133,284		
Curtable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.80	
Primary						131,275			0.79	
Transmission						-			0.78	
TOTAL CS	0.329%	0.237%	\$ 85,127	\$ 197,557	\$ 282,683	131,275	51.00%	352,605		
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2*										
Secondary						87,039			0.82	
Primary						1,641,106			0.81	
Transmission						271,450			0.80	
TOTAL IS	5.017%	3.243%	\$ 1,297,826	\$ 2,698,459	\$ 3,996,286	1,999,595	55.90%	4,900,128		
Lighting										
LS-1 Secondary	0.991%	0.179%	\$ 256,275	\$ 148,865	\$ 405,139	387,147				0.105
	100.000%	100.000%	\$ 25,866,574	\$ 83,214,041	\$ 109,080,615	39,166,331				0.279

Notes:

- | | |
|--|--|
| (1) From Schedule C-1 1P, Column 8 | (6) kWh sales at effective secondary voltage |
| (2) From Schedule C-1 1P, Column 10 | (7) Class Billing kW Load Factor |
| (3) Column 1 x Total Energy Dollars, C-2 Page 1, line 22 | (8) Column 6 x 1000 / 8,760 / Column 7 x 12 |
| (4) Column 2 x Total Demand Dollars, C-2 Page 1, line 23 | (9) Column 5 / Column 8 (x voltage factor if applicable) |
| (5) Column 3 + Column 4 | (10) Column 5 / Column 6 / 10 |

Calculation of Standby Service kW Charges			
	ECCR Cost	Effective kW	\$/kW
Total GSD, CS, IS	\$39,598,813	41,386,017	0.96
SS-1, 2, 3 - \$/kW-mo			
	Secondary	Primary	Transmission
Monthly - \$0.96/kW * 10%	0.096	0.095	0.094
Daily - \$0.96/kW / 21	0.046	0.046	0.045

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2017 - December 2017**

FPSC Docket No. 160002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. (LJC-1P)
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Line No.	Program Demand (D) or Energy (E)	12 Month Total
1	Better Business (E)	\$2,516,198
2	Residential Incentive Program (E)	6,652,596
3	Home Energy Check (E)	5,607,285
4	Low Income (E)	599,967
5	Neighborhood Energy Saver (E)	3,850,319
6	Business Energy Check (E)	1,030,787
7	Conservation Program Admin (E)	3,871,830
8	Conservation Program Admin (D)	430,203
9	Qualifying Facility (E)	1,133,900
10	Florida Custom Incentive (Innovation Incentive) (E)	728,933
11	Technology Development (E)	800,000
12	Standby Generation (D)	4,499,171
13	Interruptible Service (D)	31,527,819
14	Curtable Service (D)	1,937,988
15	Energy Management (Residential & Commercial) (D)	47,738,734
16	Total ECCR Program Costs	<u>\$112,925,731</u>

Line No.	Demand & Energy Summary	12 Months Total	2016 End of Period Net True-Up (Over)/Under Recovery	Total Costs	Revenue Expansion Factor	Total Recoverable Costs
21						
22	Energy	\$26,791,815	(\$933,413)	\$25,858,402	1.000316	\$25,866,574
23	Demand	86,133,916	(2,946,162)	83,187,754	1.000316	83,214,041
24	Total Demand & Energy Costs	<u>\$112,925,731</u>	<u>(\$3,879,575)</u>	<u>\$109,046,156</u>		<u>\$109,080,615</u>

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2017 - December 2017

Line No.	Program Demand (D) or Energy (E)	Est Jan-17	Est Feb-17	Est Mar-17	Est Apr-17	Est May-17	Est Jun-17	Est Jul-17	Est Aug-17	Est Sep-17	Est Oct-17	Est Nov-17	Est Dec-17	Total
1	Better Business (E)	\$207,698	\$207,698	\$209,827	\$211,030	\$209,837	\$209,845	\$209,833	\$209,837	\$211,050	\$209,847	\$209,847	\$209,845	\$2,516,198
2	Residential Incentive Program (E)	548,472	538,632	565,982	554,151	547,082	567,747	545,787	542,147	569,688	555,170	541,747	575,989	6,652,596
3	Home Energy Check (E)	432,632	429,822	440,952	525,865	440,932	454,055	538,697	453,350	472,371	460,412	449,027	509,170	5,607,285
4	Low Income Weatherization Assistance Program (E)	53,776	47,276	54,113	48,506	50,113	52,113	47,113	52,113	52,506	47,113	48,113	47,113	599,967
5	Neighborhood Energy Saver (E)	244,044	273,921	347,906	344,493	341,946	342,996	396,185	372,669	337,206	341,272	270,365	237,315	3,850,319
6	Business Energy Check (E)	77,761	97,752	81,057	86,107	86,040	86,030	86,019	86,011	86,061	85,992	85,983	85,973	1,030,787
7	Conservation Program Admin (E)	320,859	320,859	323,679	324,041	322,336	322,336	322,336	322,336	325,711	322,446	322,446	322,446	3,871,830
8	Conservation Program Admin (D)	35,651	35,651	35,964	36,005	35,815	35,815	35,815	35,815	36,190	35,827	35,827	35,827	430,203
9	Qualifying Facility (E)	93,550	94,250	94,100	94,600	94,750	94,600	94,100	94,250	94,600	94,600	95,100	95,400	1,133,900
10	Florida Custom Incentive Program (E)	59,287	59,287	59,369	59,369	76,036	59,369	59,369	59,369	59,369	59,369	59,369	59,369	728,933
11	Technology Development (E)	66,667	66,667	66,667	66,667	66,667	66,667	66,667	66,667	66,667	66,667	66,667	66,667	800,000
12	Standby Generation (D)	374,007	373,524	373,965	374,176	374,506	375,914	374,922	375,127	375,451	375,656	375,859	376,060	4,499,171
13	Interruptible Service (D)	2,624,553	2,625,092	2,625,812	2,626,345	2,626,943	2,627,468	2,627,989	2,628,509	2,628,823	2,628,792	2,628,762	2,628,731	31,527,819
14	Curtable Service (D)	161,499	161,499	161,499	161,499	161,499	161,499	161,499	161,499	161,499	161,499	161,499	161,499	1,937,988
15	Energy Management (Residential & Commercial) (D)	3,909,480	3,910,213	3,949,130	3,944,883	3,978,866	3,966,890	3,986,764	3,996,841	4,028,090	4,027,701	4,011,193	4,028,681	47,738,734
16	Total ECCR Program Costs	\$9,209,938	\$9,242,145	\$9,390,023	\$9,457,738	\$9,413,368	\$9,423,344	\$9,553,096	\$9,456,541	\$9,505,283	\$9,472,364	\$9,361,805	\$9,440,086	\$112,925,731
17														
18														
19	Demand & Energy Summary													
20	Energy	\$2,104,748	\$2,136,166	\$2,243,652	\$2,314,830	\$2,235,739	\$2,255,757	\$2,366,106	\$2,258,749	\$2,275,230	\$2,242,888	\$2,148,664	\$2,209,287	\$26,791,815
21	Demand	7,105,190	7,105,979	7,146,371	7,142,908	7,177,630	7,167,587	7,186,990	7,197,792	7,230,054	7,229,476	7,213,141	7,230,799	86,133,916
22	Total Demand & Energy Costs	\$9,209,938	\$9,242,145	\$9,390,023	\$9,457,738	\$9,413,368	\$9,423,344	\$9,553,096	\$9,456,541	\$9,505,283	\$9,472,364	\$9,361,805	\$9,440,086	\$112,925,731

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2017 - December 2017

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Duke Energy Florida, LLC
Witness: Lori J. Cross
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Line No.	Program Demand (D) or Energy (E)	Depreciation, Amortization & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues (Credits)	Total
1	Better Business (E)	\$0	\$1,411,063	\$31,800	\$58,500	\$132,841	\$788,066	\$40,020	\$53,909	\$0	\$2,516,198
2	Residential Incentive Program (E)	0	1,697,326	29,500	147,084	890,577	3,721,443	38,526	128,140	0	6,652,596
3	Home Energy Check (E)	16,782	2,734,789	236,825	317,856	1,541,400	601,721	100,828	57,084	0	5,607,285
4	Low Income Weatherization Assistance Program (E)	0	157,492	0	0	32,500	395,325	0	14,650	0	599,967
5	Neighborhood Energy Saver (E)	0	330,522	0	265,000	146,876	3,090,186	0	17,735	0	3,850,319
6	Business Energy Check (E)	14,962	565,941	22,800	177,000	75,389	95,099	39,576	40,020	0	1,030,787
7	Conservation Program Admin (E)	0	2,706,485	135,000	815,032	0	0	36,000	179,313	0	3,871,830
8	Conservation Program Admin (D)	0	300,721	15,000	90,559	0	0	4,000	19,924	0	430,203
9	Qualifying Facility (E)	0	1,082,400	1,400	4,200	0	0	5,900	40,000	0	1,133,900
10	Florida Custom Incentive Program (E)	0	138,899	5,000	165,116	39,600	368,333	0	11,985	0	728,933
11	Technology Development (E)	0	300,000	200,000	275,000	0	0	5,000	20,000	0	800,000
12	Standby Generation (D)	37,785	239,490	0	2,400	0	4,204,764	7,632	7,100	0	4,499,171
13	Interruptible Service (D)	47,879	86,284	0	7,704	0	31,381,560	0	4,392	0	31,527,819
14	Curtable Service (D)	0	0	0	0	0	1,937,988	0	0	0	1,937,988
15	Energy Management (Residential & Commercial) (D)	15,854,126	2,075,417	0	3,113,337	769,440	25,827,202	39,552	59,660	0	47,738,734
16	Total ECCR Program Costs	\$15,971,534	\$13,826,828	\$677,325	\$5,438,789	\$3,628,623	\$72,411,687	\$317,034	\$653,911	\$0	\$112,925,731
17											
18											
19	Demand & Energy Summary										
20	Energy	\$31,744	\$11,124,916	\$662,325	\$2,224,788	\$2,859,183	\$9,060,173	\$265,850	\$562,836	\$0	\$26,791,815
21	Demand	15,939,790	2,701,912	15,000	3,214,000	769,440	63,351,514	51,184	91,076	0	86,133,916
22	Total Demand & Energy Costs	\$15,971,534	\$13,826,828	\$677,325	\$5,438,789	\$3,628,623	\$72,411,687	\$317,034	\$653,911	\$0	\$112,925,731

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Schedule of Capital Investment, Depreciation & Return
 January 2017 - December 2017

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 Duke Energy Florida, LLC
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-17	Est Feb-17	Est Mar-17	Est Apr-17	Est May-17	Est Jun-17	Est Jul-17	Est Aug-17	Est Sep-17	Est Oct-17	Est Nov-17	Est Dec-17	Total
1	<u>Better Business (E)</u>														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
5															
6	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
7															
8	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
12	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
13															
14	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
15															
16	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17															
18	<u>Residential Incentive Program (E)</u>														
19	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
22															
23	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
29	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
34															
35	<u>Home Energy Check (E)</u>														
36	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462
39															
40	Depreciation Expense		982	982	982	982	982	982	982	982	982	982	982	982	11,784
41															
42	Cumulative Investment	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462
43	Less: Accumulated Depreciation	25,546	26,528	27,510	28,492	29,474	30,456	31,438	32,420	33,402	34,384	35,366	36,348	37,330	37,330
44	Net Investment	56,916	55,934	54,952	53,970	52,988	52,006	51,024	50,042	49,060	48,078	47,096	46,114	45,132	45,132
45	Average Investment		56,425	55,443	54,461	53,479	52,497	51,515	50,533	49,551	48,569	47,587	46,605	45,623	45,623
46	Return on Average Investment		317	311	306	300	295	289	284	278	273	267	262	256	3,438
47															
48	Return Requirements		461	452	445	436	429	420	413	404	397	388	381	372	4,998
49															
50	Program Total		\$1,443	\$1,434	\$1,427	\$1,418	\$1,411	\$1,402	\$1,395	\$1,386	\$1,379	\$1,370	\$1,363	\$1,354	\$16,782

Notes:

- Return on average investment is calculated using an annual rate of 6.74% based on May 2016 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Schedule of Capital Investment, Depreciation & Return
 January 2017 - December 2017

FPSC Docket No. 160002-EG
 Duke Energy Florida, LLC
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Line No.	Program	Beginning Balance	Est Jan-17	Est Feb-17	Est Mar-17	Est Apr-17	Est May-17	Est Jun-17	Est Jul-17	Est Aug-17	Est Sep-17	Est Oct-17	Est Nov-17	Est Dec-17	Total
1	<u>Business Energy Check (E)</u>														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	
5															
6	Depreciation Expense		1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	13,884
7															
8	Cumulative Investment	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415
9	Less: Accumulated Depreciation	51,464	52,621	53,778	54,935	56,092	57,249	58,406	59,563	60,720	61,877	63,034	64,191	65,348	65,348
10	Net Investment	17,951	16,794	15,637	14,480	13,323	12,166	11,009	9,852	8,695	7,538	6,381	5,224	4,067	4,067
11	Average Investment		17,372	16,215	15,058	13,901	12,744	11,587	10,430	9,273	8,116	6,959	5,802	4,645	
12	Return on Average Investment		97	91	84	78	72	65	58	52	46	39	33	26	741
13															
14	Return Requirements		141	132	122	113	105	95	84	76	67	57	48	38	1,078
15															
16	Program Total		\$1,298	\$1,289	\$1,279	\$1,270	\$1,262	\$1,252	\$1,241	\$1,233	\$1,224	\$1,214	\$1,205	\$1,195	\$14,962
17															
18	<u>Conservation Program Admin (E)</u>														
19	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
22															
23	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
29	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
34															
35	<u>Technology Development (E)</u>														
36	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	
39															
40	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
41															
42	Cumulative Investment	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
43	Less: Accumulated Depreciation	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
44	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
46	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
47															
48	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
49															
50	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Notes:

- Return on average investment is calculated using an annual rate of 6.74% based on May 2016 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2017 - December 2017

FPSC Docket No. 160002-EG
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Line No.	Program	Beginning Balance	Est Jan-17	Est Feb-17	Est Mar-17	Est Apr-17	Est May-17	Est Jun-17	Est Jul-17	Est Aug-17	Est Sep-17	Est Oct-17	Est Nov-17	Est Dec-17	Total
1	Residential Energy Management - Non-NGDR Residential Projects (D)														
2	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		41,327	21,974	0	0	0	0	0	0	0	0	0	0	63,301
4	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
6	Depreciation Base		55,299	23,649	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	
7															
8	Depreciation Expense		922	394	211	211	211	211	211	211	211	211	211	211	3,426
9															
10	Cumulative Plant Investment	75,963	34,636	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662	12,662
11	Less: Accumulated Depreciation	65,930	25,525	3,945	4,156	4,367	4,578	4,789	5,000	5,211	5,422	5,633	5,844	6,055	6,055
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	10,032	9,110	8,716	8,505	8,294	8,083	7,872	7,661	7,450	7,239	7,028	6,817	6,606	6,606
14	Average Investment		9,571	8,913	8,611	8,400	8,189	7,978	7,767	7,556	7,345	7,134	6,923	6,712	
15	Return on Average Investment		54	50	48	47	46	44	44	43	41	40	39	37	533
16															
17	Return Requirements		78	73	70	68	67	64	64	62	60	58	57	54	775
18															
19	Program Total		\$1,000	\$467	\$281	\$279	\$278	\$275	\$275	\$273	\$271	\$269	\$268	\$265	\$4,201
20															
21	Residential Energy Management - Load Management Switches (9080120) (D)														
22	Expenditures Booked Directly to Plant		\$694,917	\$692,517	\$692,517	\$694,917	\$692,517	\$698,217	\$694,917	\$692,517	\$692,517	\$694,917	\$692,517	\$692,517	\$8,325,504
23	Retirements		195,812	242,416	118,377	77,362	459,915	99,829	142,432	184,852	158,559	54,647	60,926	41,343	1,836,470
24	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
25	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
26	Amortization Base		20,430,327	20,904,930	21,417,050	22,012,897	22,437,976	22,853,471	23,428,908	23,958,983	24,479,794	25,066,908	25,702,839	26,344,222	
27															
28	Amortization Expense		340,512	348,422	356,958	366,889	373,974	380,899	390,490	399,324	408,005	417,790	428,389	439,079	4,650,731
29															
30	Cumulative Plant Investment	20,180,774	20,679,880	21,129,980	21,704,120	22,321,675	22,554,277	23,152,665	23,705,150	24,212,815	24,746,773	25,387,043	26,018,635	26,669,809	26,669,809
31	Less: Accumulated Depreciation	5,006,747	5,151,447	5,257,453	5,496,034	5,785,560	5,699,619	5,980,689	6,228,748	6,443,220	6,692,666	7,055,809	7,423,272	7,821,008	7,821,008
32	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Net Plant Investment	15,174,027	15,528,432	15,872,527	16,208,086	16,536,114	16,854,657	17,171,975	17,476,402	17,769,595	18,054,107	18,331,234	18,595,362	18,848,800	18,848,800
34	Average Investment		15,351,230	15,700,480	16,040,307	16,372,100	16,695,386	17,013,316	17,324,189	17,622,999	17,911,851	18,192,671	18,463,298	18,722,081	
35	Return on Average Investment		86,210	88,171	90,079	91,942	93,757	95,543	97,289	98,967	100,589	102,166	103,686	105,140	1,153,539
36															
37	Return Requirements		125,313	128,163	130,936	133,644	136,283	138,879	141,417	143,856	146,213	148,506	150,715	152,829	1,676,754
38															
39	Program Total		\$465,825	\$476,585	\$487,894	\$500,533	\$510,257	\$519,778	\$531,907	\$543,180	\$554,218	\$566,296	\$579,104	\$591,908	\$6,327,485
40															
41															
42	Demand & Energy Summary														
43	Energy		\$2,741	\$2,723	\$2,706	\$2,688	\$2,673	\$2,654	\$2,636	\$2,619	\$2,603	\$2,584	\$2,568	\$2,549	\$31,744
44	Demand		1,288,387	1,294,318	1,301,833	1,310,862	1,316,969	1,322,868	1,331,372	1,339,016	1,346,150	1,354,047	1,362,674	1,371,294	15,939,790
45	Total Depreciation & Return		\$1,291,128	\$1,297,041	\$1,304,539	\$1,313,550	\$1,319,642	\$1,325,522	\$1,334,008	\$1,341,635	\$1,348,753	\$1,356,631	\$1,365,242	\$1,373,843	\$15,971,534

Notes:

- Return on average investment is calculated using an annual rate of 6.74% based on May 2016 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2016 Actuals
July - December 2016 Estimates

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Line No.	Program Demand (D) or Energy (E)	Depreciation Amortization & Return	Operating & Maintenance Costs							Program Revenues (Credits)	Total
			Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other		
1	<u>Better Business (E)</u>										
2	A. Actual	\$307	\$525,357	\$5,610	\$25,948	\$1,478	\$8,655	\$753,775	(\$19,030)	\$0	\$1,302,101
3	B. Estimated	0	757,424	12,000	3,000	1,500	40,204	625,370	12,000	0	1,451,498
4											
5	C. Total	\$307	\$1,282,781	\$17,610	\$28,948	\$2,978	\$48,859	\$1,379,145	(\$7,030)	\$0	\$2,753,599
6											
7	<u>Residential Incentive Program (E)</u>										
8	A. Actual	\$0	\$834,148	\$21,752	\$87,887	\$2,987	\$681,688	\$3,007,714	\$10,851	\$0	\$4,647,028
9	B. Estimated	0	831,457	21,000	72,000	7,500	512,972	2,018,265	27,000	0	3,490,194
10											
11	C. Total	\$0	\$1,665,606	\$42,752	\$159,887	\$10,487	\$1,194,660	\$5,025,979	\$37,851	\$0	\$8,137,222
12											
13	<u>Home Energy Check (E)</u>										
14	A. Actual	\$9,300	\$1,462,883	\$47,494	\$154,718	\$38,277	\$736,956	\$113,145	\$20,160	\$0	\$2,582,933
15	B. Estimated	8,826	1,501,710	54,000	90,000	60,000	355,923	492,927	22,000	0	2,585,386
16											
17	C. Total	\$18,126	\$2,964,593	\$101,494	\$244,718	\$98,277	\$1,092,879	\$606,073	\$42,160	\$0	\$5,168,319
18											
19	<u>Low Income Weatherization Assistance Program (E)</u>										
20	A. Actual	\$0	\$56,277	\$0	\$200	\$9	\$18,110	\$78,058	\$16,203	\$0	\$168,857
21	B. Estimated	0	62,070	0	0	0	16,250	62,000	0	0	140,320
22											
23	C. Total	\$0	\$118,347	\$0	\$200	\$9	\$34,360	\$140,058	\$16,203	\$0	\$309,177
24											
25	<u>Solar Water Heating with EM</u>										
26	A. Actual	\$0	\$1,121	\$0	\$0	\$0	\$0	(\$2,582)	\$0	\$0	(\$1,461)
27	B. Estimated	0	0	0	0	0	0	0	0	0	0
28											
29	C. Total	\$0	\$1,121	\$0	\$0	\$0	\$0	(\$2,582)	\$0	\$0	(\$1,461)
30											
31	<u>Renewable Energy Saver</u>										
32	A. Actual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
33	B. Estimated	0	0	0	0	0	0	0	0	0	0
34											
35	C. Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
36											
37	<u>Neighborhood Energy Saver (E)</u>										
38	A. Actual	\$0	\$152,676	\$816	\$233,727	\$869	\$94,946	\$561,805	\$14,515	\$0	\$1,059,354
39	B. Estimated	0	150,000	788	137,225	0	12,000	1,308,897	9,507	0	1,618,418
40											
41	C. Total	\$0	\$302,676	\$1,604	\$370,952	\$869	\$106,946	\$1,870,702	\$24,023	\$0	\$2,677,772
42											
43	<u>Business Energy Check (E)</u>										
44	A. Actual	\$8,412	\$211,075	\$8,004	\$0	\$1,128	\$1,369	\$0	\$9,695	\$0	\$239,682
45	B. Estimated	7,992	348,000	7,800	75,000	3,000	21,000	70,000	15,000	0	547,792
46											
47	C. Total	\$16,404	\$559,075	\$15,804	\$75,000	\$4,128	\$22,369	\$70,000	\$24,695	\$0	\$787,474
48											
49	<u>Conservation Program Admin (E)</u>										
50	A. Actual	\$0	\$1,460,821	\$8,068	\$506,203	\$139,404	\$0	\$0	\$201,710	\$0	\$2,316,205
51	B. Estimated	0	1,430,723	12,000	212,450	0	0	0	150,000	0	1,805,173
52											
53	C. Total	\$0	\$2,891,544	\$20,068	\$718,653	\$139,404	\$0	\$0	\$351,710	\$0	\$4,121,379

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2016 Actuals
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Line No.	Program Demand (D) or Energy (E)	Depreciation Amortization & Return	Operating & Maintenance Costs						Program Revenues (Credits)	Total	
			Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives			Other
1	<u>Commercial Solar Photovoltaic (E)</u>										
2	A. Actual	\$0	\$589	\$0	\$31	\$0	\$0	\$0	\$0	\$620	
3	B. Estimated	0	0	0	0	0	0	0	0	0	
4											
5	C. Total	\$0	\$589	\$0	\$31	\$0	\$0	\$0	\$0	\$620	
6											
7	<u>Photovoltaic for Schools (E)</u>										
8	A. Actual	\$0	\$0	\$0	\$0	\$0	\$0	(\$70,353)	\$0	(\$70,353)	
9	B. Estimated	0	0	0	0	0	0	0	0	0	
10											
11	C. Total	\$0	\$0	\$0	\$0	\$0	\$0	(\$70,353)	\$0	(\$70,353)	
12											
13	<u>Research & Demonstration (E)</u>										
14	A. Actual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
15	B. Estimated	0	0	0	0	0	0	0	0	0	
16											
17	C. Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
18											
19	ECCR Program Costs	\$15,099,824	\$13,420,792	\$254,707	\$4,708,065	\$428,442	\$3,741,546	\$72,092,690	\$636,553	\$0	\$110,382,619

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2016 Actuals
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-16	Act Feb-16	Act Mar-16	Act Apr-16	Act May-16	Act Jun-16	Est Jul-16	Est Aug-16	Est Sep-16	Est Oct-16	Est Nov-16	Est Dec-16	Total
1	<u>Better Business (E)</u>														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		10,820	0	0	0	0	0	0	0	0	0	0	0	10,820
4	Depreciation Base		5,410	0	0	0	0	0	0	0	0	0	0	0	
5															
6	Depreciation Expense		305	(0)	0	0	0	0	0	0	0	0	0	0	305
7															
8	Cumulative Investment	10,820	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Less: Accumulated Depreciation	10,515	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Net Investment	305	(0)	0	0	0	0	0	0	0	0	0	0	0	0
11	Average Investment		152	(0)	0	0	0	0	0	0	0	0	0	0	
12	Return on Average Investment		1	0	0	0	0	0	0	0	0	0	0	0	1
13															
14	Return Requirements		2	0	0	0	0	0	0	0	0	0	0	0	2
15															
16	Program Total		\$307	(\$0)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$307
17															
18	<u>Residential Incentive Program (E)</u>														
19	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
22															
23	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
29	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
34															
35	<u>Home Energy Check (E)</u>														
36	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	
39															
40	Depreciation Expense		982	982	982	982	982	982	982	982	982	982	982	982	11,784
41															
42	Cumulative Investment	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462
43	Less: Accumulated Depreciation	13,762	14,744	15,726	16,708	17,690	18,672	19,654	20,636	21,618	22,600	23,582	24,564	25,546	25,546
44	Net Investment	68,700	67,718	66,736	65,754	64,772	63,790	62,808	61,826	60,844	59,862	58,880	57,898	56,916	56,916
45	Average Investment		68,209	67,227	66,245	65,263	64,281	63,299	62,317	61,335	60,353	59,371	58,389	57,407	
46	Return on Average Investment		406	401	395	388	383	377	350	345	339	334	328	323	4,369
47															
48	Return Requirements		589	581	573	563	555	547	509	501	493	485	477	469	6,342
49															
50	Program Total		\$1,571	\$1,563	\$1,555	\$1,545	\$1,537	\$1,529	\$1,491	\$1,483	\$1,475	\$1,467	\$1,459	\$1,451	\$18,126

Notes:

- Jan - Jun return on average investment is calculated using an annual rate of 7.15% based on May 2015 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul - Dec return on average investment is calculated using an annual rate of 6.74% based on May 2016 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2016 Actuals
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan 16	Act Feb 16	Act Mar 16	Act Apr 16	Act May 16	Act Jun 16	Est Jul 16	Est Aug 16	Est Sep 16	Est Oct 16	Est Nov 16	Est Dec 16	Total
1	<u>Business Energy Check (E)</u>														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Depreciation Base		69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	
5															
6	Depreciation Expense		1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	1,157	13,884
7															
8	Cumulative Investment	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415	69,415
9	Less: Accumulated Depreciation	37,580	38,737	39,894	41,051	42,208	43,365	44,522	45,679	46,836	47,993	49,150	50,307	51,464	51,464
10	Net Investment	31,835	30,678	29,521	28,364	27,207	26,050	24,893	23,736	22,579	21,422	20,265	19,108	17,951	17,951
11	Average Investment		31,256	30,099	28,942	27,785	26,628	25,471	24,314	23,157	22,000	20,843	19,686	18,529	
12	Return on Average Investment		186	179	172	166	159	152	137	130	123	118	111	104	1,737
13															
14	Return Requirements		270	259	249	241	231	220	199	189	179	171	161	151	2,520
15															
16	Program Total		\$1,427	\$1,416	\$1,406	\$1,398	\$1,388	\$1,377	\$1,356	\$1,346	\$1,336	\$1,328	\$1,318	\$1,308	\$16,404
17															
18	<u>Conservation Program Admin (E)</u>														
19	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
21	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
22															
23	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
24															
25	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
29	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
30															
31	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
32															
33	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
34															
35	<u>Technology Development (E)</u>														
36	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	
39															
40	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
41															
42	Cumulative Investment	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
43	Less: Accumulated Depreciation	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247	13,247
44	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
46	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
47															
48	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
49															
50	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Notes:

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Energy Conservation Cost Recovery
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FPSC Docket No. 160002-EG
 Duke Energy Florida, LLC
 Witness: Lori J. Cross
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan 16	Act Feb 16	Act Mar 16	Act Apr 16	Act May 16	Act Jun 16	Est Jul 16	Est Aug 16	Est Sep 16	Est Oct 16	Est Nov 16	Est Dec 16	Total
1	<u>Standby Generation (D)</u>														
2	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	176,498	0	126	4,000	0	0	10,800	0	0	0	0	191,425
4	Depreciation Base		366,050	277,801	189,552	189,489	187,426	185,426	185,426	180,026	174,625	174,625	174,625	174,625	
5															
6	Depreciation Expense		6,101	4,630	3,159	3,158	3,124	3,090	3,090	3,000	2,910	2,910	2,910	2,910	40,992
7															
8	Cumulative Investment	366,050	366,050	189,552	189,552	189,426	185,426	185,426	185,426	174,625	174,625	174,625	174,625	174,625	174,625
9	Less: Accumulated Depreciation	286,802	292,903	121,035	124,194	127,226	126,350	129,440	132,530	124,729	127,639	130,549	133,459	136,369	136,369
10	Net Investment	79,248	73,147	68,517	65,358	62,200	59,076	55,986	52,896	49,896	46,986	44,076	41,166	38,256	38,256
11	Average Investment		76,198	70,832	66,938	63,779	60,638	57,531	54,441	51,396	48,441	45,531	42,621	39,711	
12	Return on Average Investment		454	422	399	380	361	342	306	288	272	256	239	223	3,942
13															
14	Return Requirements		658	612	579	551	524	496	445	419	395	372	348	324	5,723
15															
16	Program Total		\$6,759	\$5,242	\$3,738	\$3,709	\$3,648	\$3,586	\$3,535	\$3,419	\$3,305	\$3,282	\$3,258	\$3,234	\$46,715
17															
18	<u>Interrupt ble Service (D)</u>														
19	Investments		\$44,502	\$0	\$0	\$0	\$48	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$44,550
20	Retirements		78,111	0	39	0	0	0	0	0	0	0	0	0	78,150
21	Depreciation Base		68,665	51,860	51,840	51,821	51,845	51,869	51,869	51,869	51,869	51,869	51,869	51,869	
22															
23	Depreciation Expense		1,144	864	864	864	864	865	865	865	865	865	865	865	10,655
24															
25	Cumulative Investment	85,469	51,860	51,860	51,821	51,821	51,869	51,869	51,869	51,869	51,869	51,869	51,869	51,869	51,869
26	Less: Accumulated Depreciation	79,710	2,743	3,607	4,432	5,296	6,160	7,025	7,890	8,755	9,620	10,485	11,350	12,215	12,215
27	Net Investment	5,759	49,117	48,253	47,389	46,525	45,709	44,844	43,979	43,114	42,249	41,384	40,519	39,654	39,654
28	Average Investment		27,438	48,685	47,821	46,957	46,117	45,277	44,412	43,547	42,682	41,817	40,952	40,087	
29	Return on Average Investment		163	290	285	279	275	269	249	245	240	235	230	226	2,986
30															
31	Return Requirements		236	421	413	405	399	390	362	356	349	342	334	328	4,335
32															
33	Program Total		\$1,380	\$1,285	\$1,277	\$1,269	\$1,263	\$1,255	\$1,227	\$1,221	\$1,214	\$1,207	\$1,199	\$1,193	\$14,990
34															
35	<u>Photovoltaic For Schools Pilot (E)</u>														
36	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
37	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
38	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	
39															
40	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
41															
42	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
46	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
47															
48	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
49															
50	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Notes:

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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan 16	Act Feb 16	Act Mar 16	Act Apr 16	Act May 16	Act Jun 16	Est Jul 16	Est Aug 16	Est Sep 16	Est Oct 16	Est Nov 16	Est Dec 16	Total
1	<u>Residential Energy Management - Summary (Itemized below) (D)</u>														
2	Expenditures Booked Directly to Plant		\$148,238	\$100,449	\$347,636	\$148,538	\$716,048	\$519,146	\$641,604	\$641,604	\$641,604	\$641,604	\$641,604	\$641,604	\$5,829,678
3	Retirements		210,012	240,012	282,790	236,598	248,366	441,577	254,999	314,133	125,163	59,975	89,024	91,903	2,594,554
4	Investments Booked to CWIP		159,316	15,263	70,128	0	0	0	0	0	0	0	0	0	244,707
5	Closings to Plant		20,964,910	15,263	70,128	0	0	0	0	0	0	0	0	0	21,050,301
6	Depreciation Base		57,450,318	67,839,737	67,845,073	67,868,530	68,058,342	68,330,967	68,563,053	68,920,091	69,342,047	69,891,081	70,458,185	71,009,325	
7															
8	Depreciation Expense		639,255	813,365	813,454	813,844	817,008	821,552	825,420	831,371	838,404	847,554	857,006	866,192	9,784,425
9															
10	Cumulative Plant Investment	46,998,750	67,901,886	67,777,586	67,912,560	67,824,501	68,292,183	68,369,752	68,756,356	69,083,826	69,600,267	70,181,895	70,734,475	71,284,175	71,284,175
11	Less: Accumulated Depreciation	13,813,281	14,242,524	14,815,877	15,346,541	15,923,787	16,492,429	16,872,403	17,442,824	17,960,062	18,673,303	19,460,882	20,228,863	21,003,152	21,003,152
12	Cumulative CWIP Investment	20,805,594	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	53,991,063	53,659,363	52,961,710	52,566,019	51,900,714	51,799,754	51,497,348	51,313,532	51,123,765	50,926,964	50,721,014	50,505,612	50,281,023	50,281,023
14	Average Investment		53,825,213	53,310,536	52,763,865	52,233,367	51,850,234	51,648,551	51,405,440	51,218,648	51,025,364	50,823,989	50,613,313	50,393,317	
15	Return on Average Investment		320,523	317,459	314,202	311,045	308,763	307,561	288,682	287,635	286,550	285,418	284,234	283,000	3,595,072
16															
17	Return Requirements		464,738	460,294	455,572	450,995	447,685	445,943	419,620	418,099	416,520	414,876	413,154	411,361	5,218,857
18															
19	Program Total		\$1,103,993	\$1,273,659	\$1,269,026	\$1,264,839	\$1,264,693	\$1,267,495	\$1,245,040	\$1,249,470	\$1,254,924	\$1,262,430	\$1,270,160	\$1,277,553	\$15,003,282
20															
21	<u>Residential Energy Management - SmartGrid Hardware for ODS, LMS, APPDEV & TELECOM (D)</u>														
22	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
24	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
25	Closings to Plant		469,833	0	0	0	0	0	0	0	0	0	0	0	469,833
26	Depreciation Base		10,352,474	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	
27															
28	Depreciation Expense		117,824	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	1,467,403
29															
30	Cumulative Plant Investment	10,117,558	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391
31	Less: Accumulated Depreciation	2,996,842	3,114,666	3,237,355	3,360,044	3,482,733	3,605,422	3,728,111	3,850,800	3,973,489	4,096,178	4,218,867	4,341,556	4,464,245	4,464,245
32	Cumulative CWIP Investment	469,833	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Net Plant Investment	7,590,549	7,472,725	7,350,036	7,227,347	7,104,658	6,981,969	6,859,280	6,736,591	6,613,902	6,491,213	6,368,524	6,245,835	6,123,146	6,123,146
34	Average Investment		7,531,637	7,411,381	7,288,692	7,166,003	7,043,314	6,920,625	6,797,936	6,675,247	6,552,558	6,429,869	6,307,180	6,184,491	
35	Return on Average Investment		44,850	44,134	43,403	42,673	41,943	41,211	38,175	37,487	36,798	36,109	35,420	34,731	476,934
36															
37	Return Requirements		65,030	63,991	62,931	61,873	60,814	59,753	55,490	54,490	53,488	52,487	51,486	50,484	692,317
38															
39	Program Total		\$182,854	\$186,680	\$185,620	\$184,562	\$183,503	\$182,442	\$178,179	\$177,179	\$176,177	\$175,176	\$174,175	\$173,173	\$2,159,720

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1	<u>Residential Energy Management - SmartGrid Software for ODS, LMS, APPDEV (D)</u>														
2	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
4	Investments Booked to CWIP		156,851	15,263	70,128	0	0	0	0	0	0	0	0	0	242,243
5	Closings to Plant		11,288,866	15,263	70,128	0	0	0	0	0	0	0	0	0	11,374,258
6	Depreciation Base		12,169,211	17,821,276	17,863,971	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	
7															
8	Depreciation Expense		202,824	297,027	297,739	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	3,482,497
9															
10	Cumulative Plant Investment	6,524,778	17,813,644	17,828,907	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035	17,899,035
11	Less: Accumulated Depreciation	2,777,222	2,980,046	3,277,073	3,574,812	3,873,135	4,171,458	4,469,781	4,768,104	5,066,427	5,364,750	5,663,073	5,961,396	6,259,719	6,259,719
12	Cumulative CWIP Investment	11,132,015	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	14,879,571	14,833,598	14,551,834	14,324,223	14,025,900	13,727,577	13,429,254	13,130,931	12,832,608	12,534,285	12,235,962	11,937,639	11,639,316	11,639,316
14	Average Investment		14,856,584	14,692,716	14,438,029	14,175,062	13,876,739	13,578,416	13,280,093	12,981,770	12,683,447	12,385,124	12,086,801	11,788,478	
15	Return on Average Investment		88,469	87,494	85,977	84,411	82,635	80,858	74,578	72,903	71,228	69,552	67,877	66,202	932,184
16															
17	Return Requirements		128,274	126,860	124,661	122,390	119,815	117,239	108,405	105,970	103,535	101,099	98,664	96,229	1,353,141
18															
19	Program Total		\$331,098	\$423,887	\$422,400	\$420,713	\$418,138	\$415,562	\$406,728	\$404,293	\$401,858	\$399,422	\$396,987	\$394,552	\$4,835,638
20															
21	<u>Residential Energy Management - SmartGrid AMI Meters (D)</u>														
22	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
23	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
24	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
25	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
26	Depreciation Base		22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	
27															
28	Depreciation Expense		112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	112,142	1,345,704
29															
30	Cumulative Plant Investment	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012	22,541,012
31	Less: Accumulated Depreciation	3,860,807	3,972,949	4,085,091	4,197,233	4,309,375	4,421,517	4,533,659	4,645,801	4,757,943	4,870,085	4,982,227	5,094,369	5,206,511	5,206,511
32	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Net Plant Investment	18,680,205	18,568,063	18,455,921	18,343,779	18,231,637	18,119,495	18,007,353	17,895,211	17,783,069	17,670,927	17,558,785	17,446,643	17,334,501	17,334,501
34	Average Investment		18,624,134	18,511,992	18,399,850	18,287,708	18,175,566	18,063,424	17,951,282	17,839,140	17,726,998	17,614,856	17,502,714	17,390,572	
35	Return on Average Investment		110,905	110,237	109,569	108,902	108,233	107,566	100,810	100,181	99,552	98,922	98,292	97,662	1,250,831
36															
37	Return Requirements		160,805	159,837	158,868	157,901	156,931	155,964	146,535	145,621	144,706	143,790	142,874	141,959	1,815,791
38															
39	Program Total		\$272,947	\$271,979	\$271,010	\$270,043	\$269,073	\$268,106	\$258,677	\$257,763	\$256,848	\$255,932	\$255,016	\$254,101	\$3,161,495

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1	<u>Residential Energy Management - Non-SmartGrid Residential Projects (D)</u>														
2	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		0	25,172	0	0	0	0	1,271	0	0	0	0	0	26,443
4	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
5	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
6	Depreciation Base		102,406	89,820	77,234	77,234	77,234	77,234	76,598	75,963	75,963	75,963	75,963	75,963	
7															
8	Depreciation Expense		1,707	1,497	1,287	1,287	1,287	1,287	1,277	1,266	1,266	1,266	1,266	1,266	15,959
9															
10	Cumulative Plant Investment	102,406	102,406	77,234	77,234	77,234	77,234	77,234	75,963	75,963	75,963	75,963	75,963	75,963	75,963
11	Less: Accumulated Depreciation	76,415	78,122	54,447	55,734	57,021	58,308	59,595	59,600	60,866	62,132	63,398	64,664	65,930	65,930
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	25,991	24,284	22,787	21,500	20,213	18,926	17,639	16,362	15,096	13,830	12,564	11,298	10,032	10,032
14	Average Investment		25,138	23,536	22,144	20,857	19,570	18,283	17,001	15,729	14,463	13,197	11,931	10,665	
15	Return on Average Investment		149	140	131	124	116	109	96	89	82	75	67	60	1,238
16															
17	Return Requirements		216	203	190	180	168	158	139	129	119	109	97	87	1,795
18															
19	Program Total		\$1,923	\$1,700	\$1,477	\$1,467	\$1,455	\$1,445	\$1,416	\$1,395	\$1,385	\$1,375	\$1,363	\$1,353	\$17,754
20															
21	<u>Residential Energy Management - Load Management Switches (D)</u>														
22	Expenditures Booked Directly to Plant		\$148,238	\$100,449	\$347,636	\$148,538	\$716,048	\$519,146	\$641,604	\$641,604	\$641,604	\$641,604	\$641,604	\$641,604	\$5,829,678
23	Retirements		210,012	214,840	282,790	236,598	248,366	441,577	253,728	314,133	125,163	59,975	89,024	91,903	2,568,110
24	Investments Booked to CWIP		2,464	0	0	0	0	0	0	0	0	0	0	0	2,464
25	Closings to Plant		9,206,210	0	0	0	0	0	0	0	0	0	0	0	9,206,210
26	Amortization Base		12,285,215	16,800,238	16,775,465	16,763,858	16,953,670	17,226,295	17,459,017	17,816,690	18,238,646	18,787,680	19,354,784	19,905,924	
27															
28	Amortization Expense		204,758	280,010	279,597	279,403	282,567	287,111	290,989	296,951	303,984	313,134	322,586	331,772	3,472,862
29															
30	Cumulative Plant Investment	7,712,997	16,857,433	16,743,042	16,807,888	16,719,828	17,187,511	17,265,080	17,652,955	17,980,425	18,496,866	19,078,494	19,631,074	20,180,774	20,180,774
31	Less: Accumulated Depreciation	4,101,995	4,096,741	4,161,911	4,158,718	4,201,523	4,235,724	4,081,258	4,118,519	4,101,336	4,280,157	4,533,316	4,766,878	5,006,747	5,006,747
32	Cumulative CWIP Investment	9,203,746	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Net Plant Investment	12,814,747	12,760,692	12,581,131	12,649,170	12,518,305	12,951,787	13,183,822	13,534,436	13,879,089	14,216,709	14,545,178	14,864,196	15,174,027	15,174,027
34	Average Investment		12,787,720	12,670,912	12,615,150	12,583,738	12,735,046	13,067,804	13,359,129	13,706,763	14,047,899	14,380,943	14,704,687	15,019,112	
35	Return on Average Investment		76,150	75,454	75,122	74,935	75,836	77,817	75,023	76,975	78,890	80,760	82,578	84,345	933,885
36															
37	Return Requirements		110,413	109,403	108,922	108,651	109,957	112,829	109,051	111,889	114,672	117,391	120,033	122,602	1,355,813
38															
39	Program Total		\$315,171	\$389,413	\$388,519	\$388,054	\$392,524	\$399,940	\$400,040	\$408,840	\$418,656	\$430,525	\$442,619	\$454,374	\$4,828,675
40															
41	<u>Summary of Demand & Energy</u>														
42															
43	Energy		\$3,305	\$2,979	\$2,961	\$2,943	\$2,925	\$2,906	\$2,847	\$2,829	\$2,811	\$2,795	\$2,777	\$2,759	\$34,837
44	Demand		1,112,132	1,280,186	1,274,041	1,269,817	1,269,604	1,272,336	1,249,802	1,254,110	1,259,443	1,266,919	1,274,617	1,281,980	15,064,987
45	Total Return & Depreciation		\$1,115,437	\$1,283,165	\$1,277,002	\$1,272,760	\$1,272,529	\$1,275,242	\$1,252,649	\$1,256,939	\$1,262,254	\$1,269,714	\$1,277,394	\$1,284,739	\$15,099,824
46															

Notes:

- Jan - Jun return on average investment is calculated using an annual rate of 7.15% based on May 2015 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Jul - Dec return on average investment is calculated using an annual rate of 6.74% based on May 2016 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 120007-EI.
- Return Requirements are calculated using a combined statutory tax rate of 38.575%.

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Calculation of Interest Provision
 January 2016 - December 2016

Line No.	Act Jan-16	Act Feb-16	Act Mar-16	Act Apr-16	Act May-16	Act Jun-16	Est Jul-16	Est Aug-16	Est Sep-16	Est Oct-16	Est Nov-16	Est Dec-16	Total
1 Beginning True-Up Amount (C3, Page 11, Lines 7 & 8)	(\$6,293,328)	(\$6,235,728)	(\$4,916,831)	(\$2,947,485)	(\$2,385,427)	(\$2,246,912)	(\$3,233,747)	(\$4,303,333)	(\$5,404,714)	(\$6,728,302)	(\$7,065,721)	(\$5,792,953)	
2 Ending True-Up Amount Before Interest (C3, Page 11, Lines 5,7-10)	(6,233,640)	(4,914,926)	(2,946,076)	(2,384,561)	(2,246,237)	(3,232,902)	(4,302,140)	(5,403,177)	(6,726,381)	(7,063,537)	(5,790,917)	(3,878,044)	
3 Total Beginning & Ending True-Up (Line 1 + Line 2)	(12,526,968)	(11,150,653)	(7,862,907)	(5,332,046)	(4,631,665)	(5,479,814)	(7,535,887)	(9,706,510)	(12,131,095)	(13,791,839)	(12,856,638)	(9,670,997)	
4 Average True-Up Amount (50% of Line 3)	(6,263,484)	(5,575,327)	(3,931,453)	(2,666,023)	(2,315,832)	(2,739,907)	(3,767,944)	(4,853,255)	(6,065,547)	(6,895,919)	(6,428,319)	(4,835,498)	
5 Interest Rate: First Day Reporting Business Month	0.40%	0.40%	0.42%	0.44%	0.34%	0.36%	0.38%	0.38%	0.38%	0.38%	0.38%	0.38%	
6 Interest Rate: First Day Subsequent Business Month	0.40%	0.42%	0.44%	0.34%	0.36%	0.38%	0.38%	0.38%	0.38%	0.38%	0.38%	0.38%	
7 Total (Line 5 + Line 6)	0.80%	0.82%	0.86%	0.78%	0.70%	0.74%	0.76%	0.76%	0.76%	0.76%	0.76%	0.76%	
8 Average Interest Rate (50% of Line 7)	0.400%	0.410%	0.430%	0.390%	0.350%	0.370%	0.380%	0.380%	0.380%	0.380%	0.380%	0.380%	
9 Interest Provision (Line 4 * Line 8) / 12	(\$2,088)	(\$1,905)	(\$1,409)	(\$866)	(\$675)	(\$845)	(\$1,193)	(\$1,537)	(\$1,921)	(\$2,184)	(\$2,036)	(\$1,531)	(\$18,190)

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Energy Conservation Adjustment
 Calculation of True-Up
 January 2016 - December 2016

Line No.	Act Jan-16	Act Feb-16	Act Mar-16	Act Apr-16	Act May-16	Act Jun-16	Est Jul-16	Est Aug-16	Est Sep-16	Est Oct-16	Est Nov-16	Est Dec-16	Total
1	\$7,931,808	\$8,070,791	\$7,834,963	\$7,650,065	\$9,011,552	\$10,174,924	\$10,493,951	\$10,529,692	\$10,756,830	\$9,777,859	\$8,175,500	\$7,542,739	\$107,950,675
2	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	6,293,328
3	8,456,252	8,595,235	8,359,407	8,174,509	9,535,996	10,699,368	11,018,395	11,054,136	11,281,274	10,302,303	8,699,944	8,067,183	114,244,003
4	7,991,496	9,391,594	9,805,717	8,212,989	9,150,742	9,188,934	9,425,559	9,429,849	9,435,164	9,442,624	9,450,304	9,457,649	110,382,618
5	(464,756)	796,358	1,446,311	38,480	(385,254)	(1,510,434)	(1,592,837)	(1,624,288)	(1,846,111)	(859,679)	750,360	1,390,465	(3,861,385)
6	(2,088)	(1,905)	(1,409)	(866)	(675)	(845)	(1,193)	(1,537)	(1,921)	(2,184)	(2,036)	(1,531)	(18,190)
7	0	0	0	0	0	0	0	0	0	0	0	0	0
8	(6,293,328)	(6,235,728)	(4,916,831)	(2,947,485)	(2,385,427)	(2,246,912)	(3,233,747)	(4,303,333)	(5,404,714)	(6,728,302)	(7,065,721)	(5,792,953)	(6,293,328)
9	0	0	0	0	0	0	0	0	0	0	0	0	0
10	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	524,444	6,293,328
11	(\$6,235,728)	(\$4,916,831)	(\$2,947,485)	(\$2,385,427)	(\$2,246,912)	(\$3,233,747)	(\$4,303,333)	(\$5,404,714)	(\$6,728,302)	(\$7,065,721)	(\$5,792,953)	(\$3,879,575)	(\$3,879,575)

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of ECCR Revenues
January 2017 - December 2017

Line No.	Month	Jurisdictional mWh Sales	ECCR Revenue Net of Revenue Taxes
1	January	3,162,399	\$8,760,935
2	February	2,819,127	8,068,712
3	March	2,657,486	7,245,353
4	April	2,661,601	7,299,489
5	May	3,023,218	8,259,734
6	June	3,592,575	10,063,356
7	July	3,831,104	10,674,492
8	August	4,024,630	11,234,095
9	September	3,904,886	10,999,020
10	October	3,583,805	9,915,183
11	November	3,031,751	8,388,030
12	December	2,921,454	7,997,813
13			
14	Total	<u>39,214,036</u>	<u>\$108,906,213</u>

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Capital Structure and Cost Rates**

FPSC Docket No. 160002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. ___(LJC-1P)
Schedule C-6
Page 1 of 1

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$4,681,853	48.76%	0.10500	5.120%	8.335%
PS	0	0.00%	0.00000	0.000%	0.000%
LTD	3,672,596	38.25%	0.05187	1.984%	1.984%
STD	(90,568)	-0.94%	0.00170	-0.002%	-0.002%
CD-Active	182,163	1.90%	0.02306	0.044%	0.044%
CD-Inactive	1,306	0.01%	0.00000	0.000%	0.000%
ADIT	1,318,615	13.73%	0.00000	0.000%	0.000%
FAS 109	(164,391)	-1.71%	0.00000	0.000%	0.000%
ITC	498	0.01%	0.00000	0.000%	0.000%
Total	\$9,602,073	100.00%		7.146%	10.361%
			Total Debt	2.026%	2.026%
			Total Equity	5.120%	8.335%

May 2015 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 120001-EI, 120002-EI & 120007-EI.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$4,664,905	46.35%	0.10500	4.867%	7.924%
PS	0	0.00%	0.00000	0.000%	0.000%
LTD	3,327,189	33.06%	0.05470	1.809%	1.809%
STD	373,704	3.71%	0.00580	0.022%	0.022%
CD-Active	182,948	1.82%	0.02300	0.042%	0.042%
CD-Inactive	1,367	0.01%	0.00000	0.000%	0.000%
ADIT	223	0.00%	0.00000	0.000%	0.000%
FAS 109	(161,369)	-1.60%	0.00000	0.000%	0.000%
ITC	1,674,675	16.64%	0.00000	0.000%	0.000%
Total	\$10,063,642	100.00%		6.739%	9.796%
			Total Debt	1.872%	1.872%
			Total Equity	4.867%	7.924%

May 2016 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 120001-EI, 120002-EI & 120007-EI.

Program Description and Progress

Program Title: Home Energy Check

Program Description: The Home Energy Check is a residential energy audit program that provides residential customers with an analysis of their energy consumption as well as educational information on how to reduce energy usage and save money. The audit provides DEF the opportunity to promote and directly install cost-effective measures in customers' homes while also educating and encouraging customers to implement energy-saving practices.

Program Projections - January 2017 - December 2017: It is estimated that 32,367 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$5,607,285.

Program Progress Summary: As of year-to-date, June 30, 2016, 15,032 customers have participated in this program. The Home Energy Check will continue to inform and motivate consumers on cost effective energy efficiency improvements which result in implementation of energy efficiency measures.

Program Description and Progress

Program Title: Residential Incentive Program

Program Description: The Residential Incentive Program provides incentives to residential customers for energy efficiency improvements for both existing homes and new homes. The Residential Incentive Program includes incentives for measures such as duct testing, duct repair, attic insulation, replacement windows, high efficiency heat pump replacing resistance heat, high efficiency heat pump replacing a heat pump, and newly constructed Energy Star homes.

Program Projections - January 2017 - December 2017: It is estimated that 15,702 completions will be performed in this program during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$6,652,596.

Program Progress Summary: As of year-to-date, June 30, 2016, 19,816 measure installations have taken place in the current year as a result of this program.

Program Description and Progress

Program Title: Neighborhood Energy Saver Program

Program Description: The Neighborhood Energy Saver Program is designed to assist customers in selected neighborhoods where approximately 50% of the households have incomes equal to or less than 200% of the poverty level established by the U.S. Government. DEF or a third party contractor directly installs energy conservation measures, identified through an energy assessment, in customer homes to increase energy efficiency. Customers also receive a comprehensive package of energy education materials which inform them on ways to better manage their energy usage. The energy conservation measures are installed and energy efficiency education is provided at no cost to the participants.

Program Projections - January 2017 - December 2017: It is estimated that energy conservation measures will be installed on 4,500 homes and an additional 15,000 customers will receive a comprehensive home energy report with information that will help them manage their energy usage.

Program Fiscal Costs for January 2017 - December 2017: Costs for this program are projected to be \$3,850,319.

Program Progress Summary: As of year-to-date, June 30, 2016, there have been 17,177 measures installed on 2,139 homes and 29,957 Home Energy Reports have been provided to customers.

Program Description and Progress

Program Title: Low-Income Weatherization Assistance Program

Program Description: The Low-Income Weatherization Program is designed to integrate DEF's program measures with assistance provided by the Florida Department of Economic Opportunity (DEO) and local weatherization providers to deliver energy efficiency measures to low-income eligible families. Through this partnership, DEF assists local weatherization agencies by providing energy education, energy education materials and financial incentives to weatherize the homes of low-income families.

Program Projections - January 2017 - December 2017: It is estimated that 1,750 weatherization measures will be installed on 500 residential homes.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$599,967.

Program Progress Summary: As of year-to-date, June 30, 2016, there have been 1,139 measures installed on 280 homes through this program.

Program Description and Progress

Program Title: Energy Management Program (Residential & Commercial)

Program Description: The Residential Energy Management program is a voluntary program that incorporates direct radio control of selected customer equipment to reduce system demand during winter and summer peak capacity periods and/or emergency conditions by temporarily interrupting selected customer appliances for specified periods of time. Residential customers have a choice of options and receive a credit on their monthly electric bills depending on the load control options selected and their monthly kWh usage. The Commercial program was closed to new participants as of July 20, 2000.

The current direct load control (DLC) one-way communications and appliance switching infrastructure that allows DEF to shed peak demand is becoming obsolete. Major infrastructure maintenance and system upgrades are necessary to continue the availability of the existing direct load control capacity and to support additional capacity in the future.

DEF's existing system is a one-way communications (paging) direct load control program with no direct feedback. It provides DEF with about 670 MW of winter and 350 MW of summer load reduction. Approximately 418,000 customers currently participate in the program requiring over 550,000 control switches, the majority being original analog switches.

DEF has selected and is utilizing a new two-way direct load control device for new Residential Energy Management participants. DEF has also implemented a new Load Management System which provides control functionality for the new two-way control devices as well as asset management and system maintenance capabilities. This new system and the two-way load control devices currently operate in parallel with the existing legacy system and legacy devices.

Program Projections - January 2017 - December 2017: During this period DEF anticipates adding 8,700 new participants to our current portfolio of approximately 418,000 participants.

Program Fiscal Costs - January 2017 - December 2017: Program costs during this period are projected to be \$47,738,734.

Program Progress Summary: As of June 30, 2016, a total of approximately 418,000 customers are participating in the Energy Management Program. Through year-to-date, June 30, 2016, a total of 4,050 new participant installations have been completed.

Program Description and Progress

Program Title: Business Energy Check Program

Program Description: The Business Energy Check Program provides no-cost energy audits at non-residential facilities. These audits can be completed over the phone or at the customer's facility by a qualified Duke Energy Assessor. This program acts as a motivational tool to identify, evaluate and inform consumers on cost effective energy saving measures at their facility. The Business Energy Check Program serves as the foundation for the Better Business Program.

Program Projections - January 2017 - December 2017: It is estimated that 1674 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$1,030,787.

Program Progress Summary: As of year-to-date, June 30, 2016, 312 customers have participated in this program.

Program Description and Progress

Program Title: Better Business Program

Program Description: This umbrella efficiency program provides incentives to existing commercial, industrial, and governmental customers for heating, air conditioning, roof insulation, duct leakage and repair, demand-control ventilation, cool roof coating, high efficiency energy recovery ventilation, and HVAC optimization qualifying measures.

Program Projections - January 2017 - December 2017: It is estimated that 1,559 measure installations will take place as a result of this program during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$2,516,198.

Program Progress Summary: As of year-to-date, June 30, 2016, 439 measure installations have taken place as a result of this program.

Program Description and Progress

Program Title: Florida Custom Incentive Program

Program Description: The Florida Custom Incentive Program is designed to encourage customers to make capital investments for energy efficiency measures which reduce peak KW and provide energy savings. This program provides incentives for individual custom projects which are cost effective, but not otherwise addressed through DEF's prescriptive programs. Examples of energy efficient technologies that would be considered under this program include, but are not limited to, new construction measures and new thermal energy storage systems.

Program Projections - January 2017 - December 2017: It is estimated that 35 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$728,933.

Program Progress Summary: As of year-to-date June 30, 2016, 4 customers have participated in this program.

Program Description and Progress

Program Title: Standby Generation

Program Description: The Standby Generation Program is a demand control program that reduces DEF's system demand based on control of customer equipment. It is a voluntary program available to commercial and industrial customers who have on-site generation capability and are willing to reduce their DEF demand when necessary. This program is part of DEF's General Service Load Management-2 (GSLM-2) rate schedule.

Program Projections - January 2017 - December 2017: It is estimated that 10 new installations will be completed during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Expenses for this program are projected to be \$4,499,171.

Program Progress Summary: As of June 30, 2016, there are 146 accounts participating in this program.

Program Description and Progress

Program Title: Interruptible Service

Program Description: Interruptible Service is a direct load control DSM program in which customers contract to allow DEF to interrupt their electrical service during times of capacity shortages during peak or emergency conditions. In return, customers receive a monthly credit on their bill based on their monthly peak demand.

Program Projections - January 2017 - December 2017: 1 new account is estimated to sign up during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$31,527,819.

Program Progress Summary: As of June 30, 2016, there are 133 accounts participating in this program.

Program Description and Progress

Program Title: Curtailable Service

Program Description: Curtailable Service is an indirect load control DSM program in which customers contract to curtail or reduce a portion of their electric load during times of capacity shortages. The curtailment is managed by the customer when notified by DEF. In return, customers receive a monthly rebate for the curtailable portion of their load.

Program Projections - January 2017 - December 2017: No new participants are expected during the projection period.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$1,937,988.

Program Progress Summary: As of June 30, 2016, there are 4 customers participating in this program.

Program Description and Progress

Program Title: Technology Development

Program Description: The Technology Development Program allows DEF to investigate technologies that support the development of cost-effective demand reduction and energy efficiency programs.

Program Projections - January 2017 - December 2017: DEF has partnered with various research organizations including, the Florida Solar Energy Center, University of South Florida (USF), and the Electric Power Research Institute (EPRI) to evaluate energy efficiency, energy storage, demand response, and smart-charging technologies. Several research projects associated with these four focus areas will continue and/or launch in 2017:

- EPRI Variable Capacity Heat Pump Air Conditioner
- Florida Building Automated Energy Efficiency and Demand Response
- Renewable SEEDS (alternative energy with storage)
- Smart Appliance Research and Demonstration
- Energy Management Circuit Breakers
- Virtual Customer Energy Assessment
- Smart Charging for Electric Transportation
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$800,000.

Program Progress Summary: The following provides a summary of projects that DEF is currently supporting through this program:

- EPRI Variable Capacity Heat Pump Air Conditioner: This project was designed to study improvements in efficiency and peak load reductions from using ultra high-efficiency heat pumps in Florida. Based on 2013 and 2014 data analysis from the participant homes, these heat pumps reduced energy use and heat strip use on peak demand. However, additional improvements in demand reduction may be possible by modifying controls and reducing the rating of the strip heat in these installations. Also, two additional technologies are being demonstrated at two additional sites. Data collection and analysis will be performed over a 24-month period.
- Florida Building Automated Energy Efficiency and Demand Response: This project will

Program Description and Progress

explore the potential for developing a Florida program for EE and DR improvements through customer energy optimization products. Working with USF, automated demand response technology has been implemented and is currently being demonstrated on its St. Petersburg campus. Data collection and analysis will be performed over a 24-month period.

- Renewable SEEDS: This project consists of two sites with PV systems integrated with energy storage. Both of these sites are operating well and have demonstrated smoothing, energy shifting and demand response capabilities. These sites will be upgraded in 2017 to be interfaced with other distributed energy storage systems to demonstrate aggregation of distributed energy storage.
- Energy Management Circuit Breaker Project: This project will explore the potential for developing a Florida program for customer circuit breakers that include communication, metering, remote operation for potential applications including energy efficiency, demand response, and integration of distributed energy resources.
- Flexible Demand Response Project: This project will explore the potential for a Florida program for utilizing advanced appliance demand response capabilities to provide additional power system benefits including frequency response and responding to the flexibility requirements of renewable generation.
- Smart charging for electric transportation: Testing will include analysis of residential and public charging, vehicle charging programs and Electric Vehicle Supply Equipment (EVSE) control technology.
- CTA-2045 Testing Project: The CTA-2045 standard provides for a modular communications interface to residential appliances for demand management. CTA-2045 also provides standard signals for DSM to control appliances. Duke Energy Florida, in partnership with EPRI, is testing: CTA-2045 thermostats, heat pump water heaters, electric water heaters, pool pump/timers, and EVSE. DEF is also testing retrofit devices that could bring the features of CTA-2045 to ordinary appliances including water heaters, pool pumps, and electric vehicle chargers. The functionality of these devices is being verified under lab conditions and field demonstrations for program development.

Program Description and Progress

Program Title: Qualifying Facility

Program Description: This program supports the costs to administer and facilitate the interconnection and purchase of as-available energy and firm energy and capacity from qualifying facilities including those that utilize renewable sources and distributed energy resources .

Program Projections - January 2017 - December 2017: DEF will continue to meet with Qualified Facility (QF) developers interested in providing cogeneration or renewable resources within its service territory. Project, grid access and avoided cost discussions with renewable and combined heat and power developers who are also exploring distributed generation options remain constant as the technologies advance, the market changes, and the associated policies are refined. As the number of potential QFs that engage DEF increase, more in depth research and analytics will be required to support good faith QF purchased power negotiations and contract structures. DEF will monitor the existing QF contracts under development for: construction milestones, financing status, permitting, transmission studies and agreements, insurance and Performance Security. DEF will continue to prudently administer all executed and in-service QF contracts for compliance.

Program Fiscal Costs - January 2017 - December 2017: Costs for this program are projected to be \$1,133,900.

Program Progress Summary: DEF has approximately 928 MW under purchase contract from QFs. The total firm capacity from cogeneration facilities is 334 MW and the total firm capacity from renewable facilities is 177 MW. Approximately 27 MW of renewables are delivering energy to the Company on an as-available basis and 390 MW of Qualified renewables are under development. Finally, DEF has over 2,000 MW of distributed energy resources and renewables in its state and FERC jurisdictional interconnection queues.

TAMPA ELECTRIC COMPANY
SCHEDULES SUPPORTING CONSERVATION
COST RECOVERY FACTOR
ACTUAL
JANUARY 2015 - DECEMBER 2015

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 15
PARTY: TAMPA ELECTRIC COMPANY –
DIRECT
DESCRIPTION: Mark R. Roche MRR-1

CONSERVATION COST RECOVERY

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TAMPA ELECTRIC COMPANY
Energy Conservation
Adjusted Net True-up
For Months January 2015 through December 2015

End of Period True-up

Principal	\$4,175,168	
Interest	\$6,429	
Total		\$4,181,597

Less: Projected True-up

(Last Projected Conservation Hearing)

Principal	\$6,230,679	
Interest	\$18,729	
Total		\$6,249,408

Adjusted Net True-up -\$2,067,810

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TAMPA ELECTRIC COMPANY
 Analysis of Energy Conservation Program Costs
 Actual vs. Projected
 For Months January 2015 through December 2015

Description	Actual	Projected	Difference
1 Capital Investment	\$1,595,914	\$1,615,100	(\$19,186)
2 Payroll	\$3,769,752	\$3,942,578	(\$172,826)
3 Materials and Supplies	\$744,538	\$274,619	\$469,919
4 Outside Services	\$7,692,721	\$6,122,589	\$1,570,132
5 Advertising	\$869,667	\$730,585	\$139,082
6 Incentives	\$31,083,922	\$30,860,704	\$223,218
7 Vehicles	\$423,080	\$353,933	\$69,147
8 Other	\$549,817	\$463,689	\$86,128
9 Subtotal	\$46,729,412	\$44,363,797	\$2,365,614
10 Less: Program Revenues	(\$213,011)	(\$373,959)	\$160,948
11 Total Program Costs	\$46,516,401	\$43,989,838	\$2,526,562
12 Adjustments	\$0	\$0	\$0
13 Beginning of Period True-up	(\$7,550,001)	(\$7,550,001)	\$0
Overrecovery			
14 Amounts included in Base Rates	\$0	\$0	\$0
15 Conservation Adjustment Revenues	(\$43,141,568)	(\$42,670,516)	(\$471,052)
16 True-up Before Interest	\$4,175,168	\$6,230,679	(\$2,055,510)
17 Interest Provision	\$6,429	\$18,729	(\$12,300)
18 End of Period True-up	\$4,181,597	\$6,249,408	(\$2,067,810)

TAMPA ELECTRIC COMPANY
Actual Conservation Program Costs per Program
For Months January 2015 through December 2015

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
12000353- Energy Audits	0	1,123,589	82,986	375,166	620,190	5,197	195,077	64,618	0	2,466,824
12000381 Residential Ceiling Insulation	0	54,767	759	8,974	0	681,207	3,375	5,014	0	754,096
12000391 Residential Duct Repair	0	29,232	59	7,056	0	378,317	3,414	12,598	0	430,676
12000419 Residential Electronically Commutated Motors	0	228	0	105	0	405	0	0	0	738
12000375 Energy Education, Awareness and Agency Outrea	0	31,255	1,958	45,988	0	5,465	1,631	7,988	0	94,285
12000431 Energy Star for New Homes	0	37,019	682	3,136	0	2,206,750	287	4,730	0	2,252,605
12000349 Residential Heating and Cooling	0	82,212.39	682.32	17,024.00	-	1,490,610.00	109.26	3,744.00	0	1,594,382
12000425 Neighborhood Weatherization	0	118,999	22,164	932,851	0	2,906,495	6,398	7,370	0	3,994,277
12000433 Energy Planner	1,581,890	800,556	478,426	539,114	246,808	0	73,745	255,638	0	3,976,177
12000365 Residential Wall Insulation	0	2,186	0	84	0	17,797	0	0	0	20,067
12000367 Residential Window Replacement	0	61,088	682	9,674	0	680,091	442	0	0	751,977
12000421 Residential HVAC Re-Commissioning	0	6,064	0	4,875	0	10,350	0	0	0	21,289
12000373 Residential Window Film	0	22,113	0	2,268	0	119,889	41	0	0	144,312
12000351 Prime Time	0	152,703.27	19,709.67	1,136,536.53	-	2,409,077.52	22,044.96	43,117.49	0	3,783,189
12000397 Commercial Ceiling Insulation	0	13,436	0	36	0	133,205	180	0	0	146,857
12000411 Commercial Chiller	0	600	0	59	0	25,888	0	151	0	26,699
12000371 Cogeneration	0	92,898	0	0	0	0	429	0	0	93,327
12000389 Conservation Value	0	12,503	0	313	0	378,656	128	76	0	391,676
12000443 Cool Roof	0	36,771	0	315	0	306,232	333	42	0	343,694
12000429 Commercial Cooling	0	24,252	0	297	0	113,522	97	587	0	138,755
12000409 Demand Response	0	17,928	0	3,979,682	0	0	240	5,063	0	4,002,913
12000377 Commercial Duct Repair	0	17,285	0	119	0	73,500	37	469	0	91,410
12000441 Commercial ECM	0	545	0	36	0	14,773	0	0	0	15,354
12000379 Industrial Load Management (GLSM 2&3)	14,024	22,637	135,102	56,327	0	14,809,695	29,753	6,388	0	15,073,926
12000385 Lighting Conditioned Space	0	52,461	660	258	0	152,413	1,078	839	0	207,710
12003201 Lighting Non-Conditioned Space	0	0	0	0	0	11,468	84	0	0	11,552
12000413 Lighting Occupancy Sensors	0	668	0	77	0	11,550	22	0	0	12,317
12000383 CILM (GLSM 1)	0	740	0	427	0	6,959	4,410	0	0	12,536
12000415 Refrigeration Anti-condensate Control	0	108	0	24	0	0	0	0	0	132
12000387 Standby Generator	0	30,155	54	0	0	2,907,808	121	42	0	2,938,179
12003202 Thermal Energy Storage	0	0	0	0	0	0	0	0	0	0
12000399 Commercial Wall Insulation	0	461	0	24	0	0	0	0	0	484
12000417 Commercial Water Heating	0	0	0	30	0	0	0	0	0	30
12000427 Conservation Research and Development	0	0	0	0	0	0	0	0	0	0
12000393 Renewable Energy Program	0	26,583	0	855	2,669	4	4,504	60,863	(213,011)	(117,532)
12000403- Renewable Enery Systems Initiative	0	79,829	0	123,995	0	1,070,860	1,296	0	0	1,275,980
12000445 Commercial ERV	0	1,190	0	0	0	0	0	0	0	1,190
12000437 Commercial Exit Signs	0	114	0	0	0	225	0	0	0	339
12000439 Commercial HVAC Re-commissioning	0	15,676	0	2,227	0	108,875	0	0	0	126,778
12000401 Commercial Motors	0	298	0	0	0	0	0	0	0	298
12000435 Commercial Roof Insulation	0	47	0	0	0	10,989	72,576	0	0	83,612
12000395 Commercial Window Film	0	3,941	0	0	0	35,648	231	0	0	39,820
12000347 Common Expenses	\$0	796,613.76	613.26	444,768.72	-	-	995.51	70,478.83	\$0	\$1,313,470
Total All Programs	<u>\$1,595,914</u>	<u>\$3,769,752</u>	<u>\$744,538</u>	<u>\$7,692,721</u>	<u>\$869,667</u>	<u>\$31,083,922</u>	<u>\$423,080</u>	<u>\$549,817</u>	<u>(\$213,011)</u>	<u>\$46,516,401</u>

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TAMPA ELECTRIC COMPANY
Conservation Program Costs per Program
Variance - Actual vs. Projected
For Months January 2015 through December 2015

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
12000353- Energy Audits	\$0	\$28,038	\$3,289	\$59,680	\$101,632	(\$1)	\$36,951	\$15,688	\$0	245,278
12000381 Residential Ceiling Insulation	\$0	(\$3,556)	\$182	\$4,032	\$0	(\$46,064)	(\$6,801)	\$1,505	\$0	(50,702)
12000391 Residential Duct Repair	\$0	(\$6,631)	(\$125)	\$3,492	\$0	(\$52,799)	(\$6,680)	\$4,905	\$0	(57,838)
12000419 Residential Electronically Commutated Motors	\$0	(\$66)	\$0	\$105	\$0	\$135	\$0	(\$135)	\$0	39
12000375 Energy Education, Awareness and Agency Outreach	\$0	(\$3,608)	\$1,523	\$8,413	\$0	(\$0)	(\$843)	(\$6,112)	\$0	(627)
12000431 Energy Star for New Homes	\$0	(\$13,599)	\$682	(\$778)	\$0	\$351,475	(\$149)	(\$1,970)	\$0	335,662
12000349 Residential Heating and Cooling	\$0	(\$4,173)	\$682	\$11,922	\$0	\$147,025	(\$16)	\$1,410	\$0	156,851
12000425 Neighborhood Weatherization	\$0	(\$36,751)	(\$100)	\$268,005	\$0	\$428,320	(\$1,201)	(\$1,835)	\$0	656,438
12000433 Energy Planner	(\$19,186)	\$35,452	\$462,138	\$165,690	\$37,450	\$0	(\$41,891)	\$55,797	\$0	695,450
12000365 Residential Wall Insulation	\$0	\$801	\$0	\$84	\$0	\$1,493	\$0	\$0	\$0	2,378
12000367 Residential Window Replacement	\$0	(\$1,206)	\$682	\$6,540	\$0	(\$53,553)	(\$164)	(\$125)	\$0	(47,826)
12000421 Residential HVAC Re-Commissioning	\$0	\$1,372	\$0	\$1,950	\$0	\$5,025	\$0	\$0	\$0	8,347
12000373 Residential Window Film	\$0	\$4,230	\$0	\$1,670	\$0	\$44,067	\$41	\$0	\$0	50,009
12000351 Prime Time	\$0	(\$67,535)	(\$8,149)	(\$165,720)	\$0	\$49,023	\$7,961	\$7,483	\$0	(176,938)
12000397 Commercial Ceiling Insulation	\$0	(\$6,054)	\$0	\$36	\$0	(\$115,707)	(\$344)	\$0	\$0	(122,069)
12000411 Commercial Chiller	\$0	(\$1,503)	\$0	\$59	\$0	(\$18,001)	(\$125)	\$0	\$0	(19,569)
12000371 Cogeneration	\$0	\$4,862	\$0	\$0	\$0	\$0	\$52	\$0	\$0	4,914
12000389 Conservation Value	\$0	(\$6,154)	\$0	(\$2,397)	\$0	(\$196,133)	(\$126)	(\$0)	\$0	(204,810)
12000443 Cool Roof	\$0	(\$15,727)	\$0	\$315	\$0	(\$107,070)	(\$320)	\$0	\$0	(122,801)
12000429 Commercial Cooling	\$0	\$5,937	\$0	\$297	\$0	\$16,262	(\$99)	(\$0)	\$0	22,397
12000409 Demand Response	\$0	(\$3,103)	\$0	\$1,530,000	\$0	(\$1,000,000)	\$107	\$3,058	\$0	530,062
12000377 Commercial Duct Repair	\$0	(\$12,116)	\$0	\$119	\$0	\$5,650	(\$182)	(\$250)	\$0	(6,779)
12000441 Commercial ECM	\$0	(\$390)	\$0	(\$464)	\$0	\$13,937	(\$50)	\$0	\$0	13,033
12000379 Industrial Load Management (GLSM 2&3)	\$0	\$1,335	\$8,899	\$427	\$0	\$952,842	\$1,661	\$910	\$0	966,074
12000385 Lighting Conditioned Space	\$0	(\$3,293)	\$102	\$258	\$0	\$38,536	\$272	\$64	\$0	35,940
12003201 Lighting Non-Conditioned Space	\$0	(\$5,610)	\$0	\$0	\$0	(\$14,022)	(\$1)	(\$50)	\$0	(19,683)
12000413 Lighting Occupancy Sensors	\$0	(\$755)	\$0	\$77	\$0	(\$28,950)	(\$103)	\$0	\$0	(29,731)
12000383 CILM (GLSM 1)	\$0	\$486	\$0	\$0	\$0	\$1	\$4,410	\$0	\$0	4,897
12000415 Refrigeration Anti-condensate Control	\$0	(\$22)	\$0	\$24	\$0	\$0	\$0	\$0	\$0	2
12000387 Standby Generator	\$0	(\$26,588)	(\$0)	(\$1,000)	\$0	(\$4,967)	(\$63)	\$0	\$0	(32,618)
12003202 Thermal Energy Storage	\$0	(\$7,830)	\$0	(\$1,080)	\$0	(\$60,000)	(\$500)	\$0	\$0	(69,410)
12000399 Commercial Wall Insulation	\$0	\$296	\$0	\$24	\$0	\$0	\$0	\$0	\$0	319
12000417 Commercial Water Heating	\$0	(\$65)	\$0	\$30	\$0	\$0	\$0	\$0	\$0	(35)
12000427 Conservation Research and Development	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
12000393 Renewable Energy Program	\$0	(\$526)	\$0	(\$215,848)	\$0	\$0	\$4,194	\$397	\$160,948	(50,834)
12000403- Renewable Energy Systems Initiative	\$0	\$10,412	\$0	(\$41,005)	\$0	(\$223,100)	\$196	\$0	\$0	(253,497)
12000445 Commercial ERV	\$0	\$1,190	\$0	\$0	\$0	\$0	\$0	\$0	\$0	1,190
12000437 Commercial Exit Signs	\$0	(\$1,205)	\$0	\$0	\$0	(\$1,200)	(\$50)	\$0	\$0	(2,455)
12000439 Commercial HVAC Re-commissioning	\$0	\$596	\$0	(\$781)	\$0	\$50,349	(\$50)	\$0	\$0	50,114
12000401 Commercial Motors	\$0	(\$175)	\$0	\$0	\$0	(\$200)	(\$50)	\$0	\$0	(425)
12000435 Commercial Roof Insulation	\$0	(\$189)	\$0	\$0	\$0	\$9,989	\$72,566	\$0	\$0	82,366
12000395 Commercial Window Film	\$0	(\$2,529)	\$0	\$0	\$0	\$30,854	\$11	\$0	\$0	28,336
12000347 Common Expenses	\$0	(\$36,876)	\$113	(\$64,043)	\$0	\$0	\$532	\$5,387	\$0	(\$94,888)
44 Total All Programs	(\$19,186)	(\$172,826)	\$469,919	\$1,570,132	\$139,082	\$223,218	\$69,147	\$86,128	\$160,948	\$2,526,562

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TAMPA ELECTRIC COMPANY
 Description for Accounts
 For Months January 2015 through December 2015

Internal Order	Program Name
12000359	Energy Audits
12000355	Energy Audits
12000357	Energy Audits
12000369	Energy Audits
12000363	Energy Audits
12000361	Energy Audits
12000381	Residential Ceiling Insulation
12000391	Residential Duct Repair
12000419	Residential Electronically Commutated Motors
12000375	Energy Education, Awareness and Agency Outreach
12000431	Energy Star for New Homes
12000349	Residential Heating and Cooling
12000425	Neighborhood Weatherization
12000433	Energy Planner
12000365	Residential Wall Insulation
12000367	Residential Window Replacement
12000421	Residential HVAC Re-Commissioning
12000373	Residential Window Film
12000351	Prime Time
12000397	Commercial Ceiling Insulation
12000411	Commercial Chiller
12000371	Cogeneration
12000389	Conservation Value
12000443	Cool Roof
12000429	Commercial Cooling
12000409	Demand Response
12000377	Commercial Duct Repair
12000441	Commercial ECM
12000379	Industrial Load Management (GSLM 2&3)
12000385	Lighting Conditioned Space
12003201	Lighting Non-Conditioned Space
12000413	Lighting Occupancy Sensors
12000383	CILM (GSLM 1)
12000415	Refrigeration Anti-condensate Control
12000387	Standby Generator
12003202	Thermal Energy Storage
12000399	Commercial Wall Insulation
12000417	Commercial Water Heating
12000427	Conservation Research and Development (R&D)
12000393	Renewable Energy Program
12000405	Renewable Energy Systems Initiative
12000405	Renewable Energy Systems Initiative
12000403	Renewable Energy Systems Initiative
12000407	Renewable Energy Systems Initiative
12000423	Renewable Energy Systems Initiative
12000445	Commercial ERV
12000437	Commercial Exit Signs
12000439	Commercial HVAC Re-Commissioning
12000401	Commercial Motors
12000435	Commercial Roof Insulation
12000395	Commercial Window Film
12000347	Common Expenses

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Summary of Expenses by Program by Month
For Months January 2015 through December 2015

Program Name	January	February	March	April	May	June	July	August	September	October	November	December	Total
12000353- Energy Audits	51,618	339,916	244,602	206,038	256,015	159,364	177,559	157,635	174,069	199,996	252,879	247,045	2,466,735
12000381 Residential Ceiling Insulation	37,064	67,701	63,241	113,580	50,384	57,670	57,677	69,520	71,404	81,547	40,273	44,035	754,096
12000391 Residential Duct Repair	49,157	33,863	21,624	66,230	20,810	52,283	33,696	22,151	41,532	41,650	25,037	22,644	430,677
12000419 Residential Electronically Commutated Motors	47	89	228	-	-	-	135	-	-	135	105	-	738
12000375 Energy Education, Awareness and Agency Outre	5,323	19,031	3,821	4,971	8,191	15,645	2,783	1,000	18,619	4,798	5,441	4,662	94,285
12000431 Energy Star for New Homes	188,075	208,211	185,805	150,516	122,063	194,671	223,904	151,099	242,172	201,398	188,685	196,008	2,252,606
12000349 Residential Heating and Cooling	99,880	65,441	99,099	144,469	173,961	189,546	276,862	104,235	96,345	127,648	175,186	41,711	1,594,383
12000425 Neighborhood Weatherization	177,200	256,760	191,629	307,598	194,152	508,769	305,387	383,800	419,599	340,886	267,884	640,613	3,994,277
12000433 Energy Planner	278,722	315,739	276,896	320,246	285,727	278,129	285,699	286,350	238,451	364,289	315,467	731,522	3,977,237
12000365 Residential Wall Insulation	100	197	1,458	238	500	866	12,563	236	1,466	394	1,854	194	20,067
12000367 Residential Window Replacement	68,547	56,960	69,352	53,718	86,516	70,857	60,105	62,046	6,868	170,781	2,036	44,191	751,977
12000421 Residential HVAC Re-Commissioning	1,936	1,564	707	1,151	817	1,844	2,947	1,330	2,980	2,987	2,805	221	21,289
12000373 Residential Window Film	5,944	5,457	7,504	8,901	15,936	17,885	15,643	20,889	82,815	(58,396)	18,451	3,282	144,312
12000351 Prime Time	376,373	359,200	347,272	296,711	279,839	268,004	261,168	278,888	307,376	388,159	313,659	306,541	3,783,191
12000397 Commercial Ceiling Insulation	562	1,046	312	4,025	2,080	4,185	94,600	4,636	19,376	10,368	4,219	1,449	146,859
12000411 Commercial Chiller	-	-	1,450	486	10,345	9,056	4,813	-	-	55	55	440	26,699
12000371 Cogeneration	7,138	9,264	12,303	18,260	11,130	7,856	1,332	1,332	3,380	7,603	5,873	7,855	93,327
12000389 Conservation Value	142,975	847	891	1,540	87,799	1,134	117,587	837	1,237	1,690	1,326	33,812	391,676
12000443 Cool Roof	1,823	2,170	52,877	43,534	34,140	3,051	85,658	27,032	5,731	17,325	33,270	37,083	343,694
12000429 Commercial Cooling	20,628	6,565	30,099	4,289	1,857	5,363	6,293	3,459	4,490	30,522	19,525	5,666	138,756
12000409 Demand Response	611,677	310,238	307,342	310,642	307,703	307,367	307,342	307,342	307,966	309,534	308,643	307,119	4,002,913
12000377 Commercial Duct Repair	1,064	900	2,155	14,418	1,267	2,071	9,111	837	5,636	25,152	6,224	22,665	91,498
12000441 Commercial ECM	-	-	55	59	27	-	-	-	55	80	-	15,078	15,354
12000379 Industrial Load Management (GLSM 2&3)	1,180,408	1,266,793	1,261,844	1,665,135	1,142,698	1,191,771	1,206,462	1,150,228	983,554	1,260,096	1,394,774	1,370,160	15,073,923
12000385 Lighting Conditioned Space	7,890	3,007	5,848	19,608	6,264	12,567	28,597	53,608	15,958	20,571	23,659	10,223	207,799
12003201 Lighting Non-Conditioned Space	-	-	-	-	-	-	-	-	-	910	3,636	7,007	11,552
12000413 Lighting Occupancy Sensors	-	-	-	-	-	-	-	10,325	1,469	174	47	302	12,317
12000383 CLIM (GLSM 1)	368	368	428	1,556	1,362	1,362	1,789	1,362	1,362	1,817	1,392	(627)	12,536
12000415 Refrigeration Anti-condensate Control	-	-	-	-	-	-	-	-	108	-	-	24	132
12000387 Standby Generator	232,406	232,351	246,580	247,935	241,635	242,362	240,298	249,131	223,710	280,014	225,570	276,188	2,938,179
12003202 Thermal Energy Storage	-	-	-	-	-	-	-	-	-	-	-	-	-
12000399 Commercial Wall Insulation	-	-	-	-	-	-	-	422	-	-	39	24	484
12000417 Commercial Water Heating	-	-	-	-	-	-	-	-	-	-	-	30	30
12000427 Conservation Research and Development	-	-	-	-	-	-	-	-	-	-	-	-	-
12000393 Renewable Energy Program	367	(11,918)	(10,293)	(10,055)	(8,908)	(11,506)	(11,814)	(9,814)	(11,284)	(10,383)	(10,674)	(11,251)	(117,534)
12000403- Renewable Energy Systems Initiative	4,286	7,162	53,790	70,221	343,685	263,449	171,290	95,281	101,524	16,426	24,187	124,681	1,275,980
12000445 Commercial ERV	-	-	-	-	-	-	-	-	-	-	-	-	-
12000437 Commercial Exit Signs	-	-	150	130	-	-	-	-	-	59	-	-	339
12000439 Commercial HVAC Re-commissioning	2,089	11,984	1,314	12,232	15,455	15,316	1,193	1,255	941	15,594	46,881	2,524	126,778
12000401 Commercial Motors	-	-	-	95	-	-	-	-	-	107	95	-	298
12000435 Commercial Roof Insulation	6,048	6,095	6,048	6,048	6,048	6,048	6,048	17,037	6,048	6,048	6,048	6,048	83,612
12000395 Commercial Window Film	108	233	189	841	508	2,724	894	27,269	386	3,711	822	2,134	39,820
12000347 Common Expenses	98,438	74,054	121,089	97,850	65,206	86,653	220,396	117,944	208,348	99,125	66,082	58,284	1,313,469
Total	3,658,259	3,651,284	3,607,708	4,183,215	3,765,215	3,966,361	4,208,016	3,598,702	3,583,693	3,962,872	3,771,452	4,559,585	46,516,362
Less: Amount Included in Base Rates	-	-	-	-	-	-	-	-	-	-	-	-	-
Recoverable Conservation Expenses	<u>3,658,259</u>	<u>3,651,284</u>	<u>3,607,708</u>	<u>4,183,215</u>	<u>3,765,215</u>	<u>3,966,361</u>	<u>4,208,016</u>	<u>3,598,702</u>	<u>3,583,693</u>	<u>3,962,872</u>	<u>3,771,452</u>	<u>4,559,585</u>	<u>46,516,362</u>

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up and Interest Provision
For Months January 2015 through December 2015

Description	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Residential Conservation Audit Fees (A)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 Conservation Adjustment Revenues *	3,134,934	3,037,710	3,114,108	3,343,478	3,616,066	4,057,108	4,178,181	3,953,130	4,145,902	3,815,176	3,496,798	3,248,976	43,141,568
3 Total Revenues	3,134,934	3,037,710	3,114,108	3,343,478	3,616,066	4,057,108	4,178,181	3,953,130	4,145,902	3,815,176	3,496,798	3,248,976	43,141,568
4 Prior Period True-up	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,740</u>	<u>435,745</u>	<u>5,228,885</u>
5 Conservation Revenue Applicable to Period	3,570,674	3,473,450	3,549,848	3,779,218	4,051,806	4,492,848	4,613,921	4,388,870	4,581,642	4,250,916	3,932,538	3,684,721	48,370,453
6 Conservation Expenses	<u>3,658,259</u>	<u>3,651,284</u>	<u>3,607,708</u>	<u>4,183,215</u>	<u>3,765,215</u>	<u>3,986,361</u>	<u>4,208,016</u>	<u>3,598,702</u>	<u>3,583,693</u>	<u>3,962,872</u>	<u>3,771,452</u>	<u>4,559,585</u>	46,516,362
7 True-up This Period (Line 5 - Line 6)	(87,585)	(177,834)	(57,860)	(403,997)	286,591	526,487	405,905	790,168	997,949	288,044	161,086	(674,864)	1,854,091
8 Interest Provision This Period	583	538	493	329	348	394	401	465	563	584	619	1,112	6,429
9 True-up & Interest Provision Beginning of Period	\$7,550,001	7,027,259	6,414,223	5,921,116	5,081,708	4,932,907	5,024,048	4,994,614	5,349,507	5,912,279	5,765,167	5,491,132	7,550,001
10 Prior Period True-up Collected (Refunded)	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,740)</u>	<u>(435,745)</u>	<u>(5,228,885)</u>
11 End of Period Total Net True-up	<u>\$7,027,259</u>	<u>\$6,414,223</u>	<u>\$5,921,116</u>	<u>\$5,081,708</u>	<u>\$4,932,907</u>	<u>\$5,024,048</u>	<u>\$4,994,614</u>	<u>\$5,349,507</u>	<u>\$5,912,279</u>	<u>\$5,765,167</u>	<u>\$5,491,132</u>	<u>\$4,181,635</u>	<u>\$4,181,636</u>

* Net of Revenue Taxes

(A) Included in Line 6

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DOCKET NO. 160002-EG
FINAL ECCR 2015 TRUE-UP
EXHIBIT MRR-1, SCHEDULE CT-3, PAGE 2 OF 3
REVISED: MAY 11, 2016

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up and Interest Provision
For Months January 2015 through December 2015

Interest Provision	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Beginning True-up Amount	\$7,550,001	\$7,027,259	\$6,414,223	\$5,921,116	\$5,081,708	\$4,932,907	\$5,024,048	\$4,994,614	\$5,349,507	\$5,912,279	\$5,765,167	\$5,491,132	
2 Ending True-up Amount Before Interest	7,026,676	6,413,685	5,920,623	5,081,379	4,932,559	5,023,654	4,994,213	5,349,042	5,911,716	5,764,583	5,490,513	4,180,523	
3 Total Beginning & Ending True-up	<u>14,576,677</u>	<u>13,440,944</u>	<u>12,334,846</u>	<u>11,002,495</u>	<u>10,014,267</u>	<u>9,956,561</u>	<u>10,018,261</u>	<u>10,343,656</u>	<u>11,261,223</u>	<u>11,676,862</u>	<u>11,255,680</u>	<u>9,671,655</u>	
4 Average True-up Amount (50% of Line 3)	<u>7,288,339</u>	<u>6,720,472</u>	<u>6,167,423</u>	<u>5,501,248</u>	<u>5,007,134</u>	<u>4,978,281</u>	<u>5,009,131</u>	<u>5,171,828</u>	<u>5,630,612</u>	<u>5,838,431</u>	<u>5,627,840</u>	<u>4,835,828</u>	
5 Interest Rate - First Day of Month	0.100%	0.100%	0.090%	0.090%	0.060%	0.100%	0.080%	0.110%	0.110%	0.130%	0.120%	0.150%	
6 Interest Rate - First Day of Next Month	0.100%	0.090%	0.090%	0.060%	0.100%	0.080%	0.110%	0.110%	0.130%	0.120%	0.150%	0.400%	
7 Total (Line 5 + Line 6)	0.200%	0.190%	0.180%	0.150%	0.160%	0.180%	0.190%	0.220%	0.240%	0.250%	0.270%	0.550%	
8 Average Interest Rate (50% of Line 7)	0.100%	0.095%	0.090%	0.075%	0.080%	0.090%	0.095%	0.110%	0.120%	0.125%	0.135%	0.275%	
9 Monthly Average Interest Rate (Line 8/12)	0.008%	0.008%	0.008%	0.006%	0.007%	0.008%	0.008%	0.009%	0.010%	0.010%	0.011%	0.023%	
10 Interest Provision (Line 4 x Line 9)	\$583	\$538	\$493	\$329	\$348	\$394	\$401	\$465	\$563	\$584	\$619	\$1,112	\$6,429

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2015 through December 2015

PRICE RESPONSIVE LOAD MANAGEMENT

Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Investment		\$ 158,229	\$ 119,344	\$ 162,381	\$ 155,227	\$ 157,052	\$ 117,872	\$ 150,242	\$ 55,480	\$ 103,829	\$ 54,610	\$ 136,485	\$ 36,378	\$1,407,130
2 Retirements		250,069	99,373	217,670	103,400	173,942	79,673	138,754	183,368	79,464	116,877	15,480	10,070	1,468,141
3 Depreciation Base		6,307,760	6,327,730	6,272,441	6,324,268	6,307,377	6,345,576	6,357,064	6,229,176	6,253,541	6,191,274	6,312,279	6,338,587	
4 Depreciation Expense		<u>105,895</u>	<u>105,296</u>	<u>105,001</u>	<u>104,973</u>	<u>105,264</u>	<u>105,441</u>	<u>105,855</u>	<u>104,885</u>	<u>104,023</u>	<u>103,707</u>	<u>104,196</u>	<u>105,424</u>	<u>1,259,960</u>
5 Cumulative Investment	6,399,599.64	\$6,307,760	\$6,327,730	\$6,272,441	\$6,324,268	\$6,307,377	\$6,345,576	\$6,357,064	\$6,229,176	\$6,253,541	\$6,191,274	\$6,312,279	\$6,338,587	\$6,338,587
6 Less: Accumulated Depreciation	3,021,239	2,877,065	2,882,988	2,770,319	2,771,892	2,703,214	2,728,982	2,696,083	2,617,600	2,642,159	2,628,989	2,717,705	2,813,059	2,813,059
7 Net Investment	<u>\$3,378,361</u>	<u>\$3,430,695</u>	<u>\$3,444,742</u>	<u>\$3,502,122</u>	<u>\$3,552,376</u>	<u>\$3,604,163</u>	<u>\$3,616,594</u>	<u>\$3,660,981</u>	<u>\$3,611,576</u>	<u>\$3,611,382</u>	<u>\$3,562,285</u>	<u>\$3,594,574</u>	<u>\$3,525,528</u>	<u>\$3,525,528</u>
8 Average Investment		3,404,528	3,437,719	3,473,432	3,527,249	3,578,270	3,610,379	3,638,788	3,636,279	3,611,479	3,586,834	3,578,430	3,560,051	
9 Return on Average Investment - Equity Component		20,099	20,295	20,506	20,824	21,125	21,314	21,391	21,376	21,230	21,085	21,036	20,928	251,209
10 Return on Average Investment - Debt Component		<u>5,772</u>	<u>5,828</u>	<u>5,888</u>	<u>5,980</u>	<u>6,066</u>	<u>6,121</u>	<u>5,904</u>	<u>5,900</u>	<u>5,860</u>	<u>5,820</u>	<u>5,806</u>	<u>5,776</u>	<u>70,721</u>
11 Total Depreciation and Return		<u>\$131,766</u>	<u>\$131,419</u>	<u>\$131,395</u>	<u>\$131,777</u>	<u>\$132,455</u>	<u>\$132,876</u>	<u>\$133,150</u>	<u>\$132,161</u>	<u>\$131,113</u>	<u>\$130,612</u>	<u>\$131,038</u>	<u>\$132,128</u>	<u>\$1,581,890</u>

Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 7.0844% x 1/12 (Jan-Jun) and Line 9 x 7.0542% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).
Line 10 x 2.0343% x 1/12 (Jan-Jun) and Line 10 x 1.9471% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2015 through December 2015

INDUSTRIAL LOAD MANAGEMENT

Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Investment		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$0
2 Retirements		-	-	-	-	-	-	-	-	-	-	-	-	0
3 Depreciation Base		55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	
4 Depreciation Expense		919	919	919	919	919	919	919	919	919	919	919	919	11,028
5 Cumulative Investment	55,126.00	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126	\$55,126
6 Less: Accumulated Depreciation	16,565	17,484	18,403	19,322	20,241	21,160	22,079	22,998	23,917	24,836	25,755	26,674	27,593	27,593
7 Net Investment	\$38,561	\$37,642	\$36,723	\$35,804	\$34,885	\$33,966	\$33,047	\$32,128	\$31,209	\$30,290	\$29,371	\$28,452	\$27,533	\$27,533
8 Average Investment		38,102	37,183	36,264	35,345	34,426	33,507	32,588	31,669	30,750	29,831	28,912	27,993	
9 Return on Average Investment		225	220	214	209	203	198	192	186	181	175	170	165	2,338
10 Return Requirements		65	63	61	60	58	57	53	51	50	48	47	45	658
11 Total Depreciation and Return		\$1,209	\$1,202	\$1,194	\$1,188	\$1,180	\$1,174	\$1,164	\$1,156	\$1,150	\$1,142	\$1,136	\$1,129	\$14,024

Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 7.2242% x 1/12 (Jan-Jun) and Line 9 x 7.2242% x1/12 (Jul-Dec). Based on ROE of 11.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).
Line 10 x 2.2101% x 1/12 (Jan-Jun) and Line 10 x 2.2101% x 1/12 (Jul-Dec).

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TAMPA ELECTRIC COMPANY
Reconciliation and Explanation of
Difference Between Filing and FPSC Audit
For Months January 2015 through December 2015

The audit has not been completed as of the date of this filing.

Program Description and Progress

Program Title: Energy Audits

Program Description: Energy audits are a conservation program designed to save demand and energy by increasing customer awareness of energy use in personal residences, commercial facilities and industrial plants. Five types of audits are available to Tampa Electric customers; three types are for residential class customers and two types are for commercial/industrial customers.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating:
Residential Walk-Through: 8,304
Residential Customer Assisted: 658
Residential Computer Assisted: 5
Commercial/Industrial: 913
Commercial/Industrial Comprehensive: 1

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$2,466,824.

Program Progress Summary: Through this reporting period 335,194 customers have participated in on-site audits. Additionally, 123,078 customers have participated in company processed residential and commercial customer assisted audits.

Program Description and Progress

Program Title: Residential Ceiling Insulation

Program Description: The Residential Ceiling Insulation Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing ceiling insulation to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. Ceiling insulation is designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment. Qualifying residential structures are eligible for a rebate based upon the total square footage of insulation installed over conditioned space. Customers will receive a certificate that is used as partial payment for the ceiling insulation installed.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 3,057

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$754,096.

Program Progress Summary: Through this reporting period 120,530 customers have participated.

Program Description and Progress

Program Title: Residential Duct Repair

Program Description: The Residential Duct Repair Program is a conservation rebate program designed to reduce demand and energy by decreasing the load on residential HVAC equipment helping the customer reduce their energy consumption and reducing Tampa Electric's peak demand. This program eliminates or reduces areas of HVAC air distribution losses by sealing and repairing the ADS. The ADS is defined as the air handler, air ducts, return plenums, supply plenums and any connecting structure.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 1,895

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$430,676.

Program Progress Summary: Through this reporting period 97,929 customers have participated.

Program Description and Progress

Program Title: Residential Electronically Commutated Motors (ECM)

Program Description: The Residential ECM Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing an ECM to help reduce their energy consumption and reduce Tampa Electric's peak demand. ECM motors are designed to help residential customers improve the overall efficiency of their existing HVAC equipment by replacing the current induction motor in the air-handler with an ECM.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 4

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$738.

Program Progress Summary: Through this reporting period five customers have participated.

Program Description and Progress

Program Title: Energy Education, Awareness and Agency Outreach

Program Description: The Energy Education, Awareness and Agency Outreach Program is comprised of three distinct initiatives. The Energy Education and Awareness portion of the program is designed to establish opportunities for engaging groups of customers and students in energy-efficiency related discussions in an organized setting. The Agency Outreach portion of the program will allow for delivery of energy efficiency kits that will help educate agency clients on practices that help to reduce energy consumption. The suggested practices will mirror the recommendations provided to customers who participate in a free energy audit.

Program Accomplishments: January 1, 2015 to December 31, 2015

In this reporting period Tampa Electric partnered with 4 local schools to present Energy Education to 1,500 students through 8 classroom presentations. Tampa Electric also continues to partner with Junior Achievement BizTown presenting Energy Education to 15,500 students representing 180 local schools. In addition, the company gave 36 presentations to civic organizations and distributed 1,124 energy saving kits to participating customers.

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$94,285.

Program Progress Summary: Through this reporting period Tampa Electric has partnered with 107 local schools to present Energy Education to 34,126 students. In addition, the company gave 119 presentations to civic organizations that generated 637 customer assisted audits and distributed 4,341 energy saving kits to participating customers.

Program Description and Progress

Program Title: ENERGY STAR for New Homes

Program Description: The ENERGY STAR for New Homes Program is a residential new construction conservation program designed to reduce the growth of peak demand and energy in the residential new construction market. The program utilizes a rebate to encourage the construction of new homes to meet the requirements to achieve the ENERGY STAR certified new home label. By receiving this certificate, the new home will use less energy and demand which will help reduce the growth of Tampa Electric's peak demand. This program replaced the prior Residential New Construction program.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 2,494

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$2,252,605.

Program Progress Summary: Through this reporting period 11,768 customers have participated.

Program Description and Progress

Program Title: Residential Heating and Cooling

Program Description: The Residential Heating and Cooling Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing high efficiency heating and cooling systems to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. High efficiency heating and cooling systems require less demand and energy as compared to standard systems. This program will rebate residential customers that install a qualifying air conditioning system.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 5,214

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$1,594,382.

Program Progress Summary: Through this reporting period 194,361 customers have participated.

Program Description and Progress

Program Title: Neighborhood Weatherization

Program Description: The Neighborhood Weatherization Program is designed to assist low income families in reducing their energy usage. The goal of the program is to provide and install a package of conservation measures at no cost to the customer. Another key component will be educating families and promoting energy conservation techniques to help customers control and reduce their energy usage.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 7,912

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$3,994,277.

Program Progress Summary: Through this reporting period 23,887 customers have participated.

Program Description and Progress

Program Title: Residential Price Responsive Load Management
(Energy Planner)

Program Description: The company's program relies on a multi-tiered rate structure combined with price signals conveyed to participating customers during the day. This price information is designed to encourage customers to make behavioral or equipment usage changes to their energy consumption thereby achieving the desired high cost period load reduction to assist in meeting system peak.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of net customers participating: 717

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$3,976,177.

Program Progress Summary: Through this reporting period 3,913 customers are participating.

Program Description and Progress

Program Title: Residential Wall Insulation

Program Description: The Residential Wall Insulation Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing wall insulation to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. Wall insulation is designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment. Qualifying residential structures are eligible for a rebate based upon the total square footage of insulation installed in exterior walls adjacent to conditioned spaces. Customers will receive a certificate that is used as partial payment for the wall insulation installed.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 122

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$20,067.

Program Progress Summary: Through this reporting period 185 customers have participated.

Program Description and Progress

Program Title: Residential Window Replacement

Program Description: The Residential Window Replacement Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for replacing existing external windows with high performance windows that help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. High performance windows are designed to reduce demand and energy by decreasing the solar heat gain into a residence and in turn, decrease the load on residential air conditioning equipment. Qualifying residential structures are eligible for a rebate based upon the total square footage of exterior windows replaced.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 1,811

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$751,977.

Program Progress Summary: Through this reporting period 10,307 customers have participated.

Program Description and Progress

Program Title: Residential HVAC Re-commissioning

Program Description: A conservation incentive program designed to help residential customers ensure HVAC equipment is operating at optimal efficiency through maintenance and equipment tune-up. This will in turn help participating customers reduce demand and energy usage and help to promote good long-term maintenance habits. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 138

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$21,289.

Program Progress Summary: Through this reporting period 1,093 customers have participated.

Program Description and Progress

Program Title: Residential Window Film

Program Description: The Residential Window Film Program is designed to encourage customers to make cost-effective improvements. The goal is to offer customer incentives for making these improvements while helping them reduce energy consumption and reducing Tampa Electric's peak demand. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 379

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$144,312.

Program Progress Summary: Through this reporting period 3,340 customers have participated.

Program Description and Progress

Program Title: Prime Time

Program Description: This load management incentive program encourages residential customers to allow the control for reducing weather-sensitive heating, cooling and water heating through a radio signal control mechanism. The participating customers receive monthly incentives as credits on their electric bills. Per Commission Order No. PSC-15-0434-CO-EG issued October 12, 2015, the Prime Time program is being systematically closed.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of net customers participating: -12,701

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$3,783,189.

Program Progress Summary: Through this reporting period 13,579 customers are participating.

Program Description and Progress

Program Title: Commercial Ceiling Insulation

Program Description: The Commercial Ceiling Insulation Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing ceiling insulation to help reduce their energy consumption and demand while reducing Tampa Electric's weather sensitive peak demand. Ceiling insulation is designed to reduce demand and energy by decreasing the load on commercial/industrial air conditioning and heating equipment. Qualifying structures are eligible for a rebate based upon the total square footage of insulation installed over conditioned space. Certificates for participation will be issued through energy audits or by direct evaluation of the existing building envelope.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 41

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$146,857.

Program Progress Summary: Through this reporting period 292 customers have participated.

Program Description and Progress

Program Title: Commercial Chiller

Program Description: The Commercial Chiller Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities and processes. The goal is to offer customer rebates for installing high efficiency electric water-cooled chillers and electric air-cooled chillers that exceed Florida's Building Code and minimum product manufacturing standards in commercial/industrial buildings or processes to help reduce their energy consumption and demand while reducing Tampa Electric's weather sensitive peak demand. High efficiency chillers reduce demand and energy by decreasing the load on air conditioning and heating equipment or process cooling equipment during weather sensitive peak demand times.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 7

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$26,699.

Program Progress Summary: Through this reporting period 56 customers have participated.

Program Description and Progress

Program Title:	<u>Cogeneration</u>
Program Description:	Tampa Electric's Cogeneration program is administered by a professional team experienced in working with cogenerators. The group manages functions related to coordination with Qualifying Facilities ("QFs") including negotiations, agreements and informational requests; functions related to governmental, regulatory and legislative bodies; research, development, data acquisition and analysis; economic evaluations of existing and proposed QFs as well as the preparation of Tampa Electric's Annual Twenty-Year Cogeneration Forecast.
Program Accomplishments:	<u>January 1, 2015 to December 31, 2015</u> The company continued communication and interaction with all present and potential customers. Tampa Electric completed the development and publication of the 20-Year Cogeneration Forecast, reviewed proposed cogeneration opportunities for cost-effectiveness and answered data requests from existing cogenerators. The company also attended meetings as scheduled with cogeneration customer personnel at selected facilities.
Program Fiscal Expenditures:	<u>January 1, 2015 to December 31, 2015</u> Actual expenses were \$93,327.
Program Progress Summary:	The total maximum generation by electrically interconnected cogeneration during 2015 was approximately 327 MW and 2,153 GWh. This amount was lower than 2014 due to one facility no longer meeting the requirements of a QF. The company continues interaction with current and potential cogeneration developers regarding on-going and future cogeneration activities. Currently there are 10 QFs with generation on-line in Tampa Electric's service area.

Program Description and Progress

Program Title: Conservation Value

Program Description: The Conservation Value Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. This rebate program is designed to recognize those investments in demand shifting or demand reduction measures that reduce Tampa Electric's peak demand. Measures funded in this program will not be covered under any other Tampa Electric commercial/industrial conservation programs. Candidates are identified through energy audits or their engineering consultants can submit proposals for funding which offer demand and energy reduction during weather sensitive peak periods helping reduce Tampa Electric's peak demand.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 4

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$391,676.

Program Progress Summary: Through this reporting period 49 customers have participated.

Included are four cost-effectiveness calculation title sheets on the following pages for the following approved conservation value program projects:

Plastipak: This project is a stored compressed air project which will offset summer and winter demand by charging a large compressed air storage vessel. During peak hours the facilities large air compressors will be turned off or set back to save demand. The cost-effectiveness analysis was performed on February 18, 2014. Due to the requirement of the conservation program to demonstrate at least 90 days of successful operation, the facility received its first portion of the approved rebate in May 2015.

Port of Tampa: This project is a thermal energy storage project. The cost-effectiveness analysis was performed on February 18, 2014. Due to the requirement of the conservation program to demonstrate at least 90 days of successful operation, the facility received its first portion of the approved rebate in March 2016.

Lamb Elementary School: This project is a thermal energy storage project. The cost-effectiveness analysis was performed on March 20, 2015. Due to the requirement of the conservation program to demonstrate at least 90 days of successful operation, the facility has yet to demonstrate successful operation.

Jewish Community Center: This project is a thermal energy storage project. The cost-effectiveness analysis was performed on April 24, 2015. Due to the requirement of the conservation program to demonstrate at least 90 days of successful operation, the facility has yet to demonstrate successful operation.

INPUT DATA - PART 1
PROGRAM TITLE: Conservation Value - PlastiPak

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PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	683.000 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	686.042 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	6.5 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	1,777,618 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.8 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	1,674,516 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.4759
II. (5) K FACTOR FOR T & D	1.4759
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	3500.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	0 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.4 %
III. (4) CUSTOMER EQUIPMENT COST	486368.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.1 %
III. (6) CUSTOMER O & M COST	0 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.1 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0 %
III. (10)* INCREASED SUPPLY COSTS	0 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0 %
III. (12)* UTILITY DISCOUNT RATE	0.07937
III. (13)* UTILITY AFUDC RATE	0.0816
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	173708.33 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	0.00 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2014
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2020
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2015
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	585.19 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	11.51 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	55.94 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.4 %
IV. (8) GENERATOR FIXED O & M COST	11.67 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.4 %
IV. (10) TRANSMISSION FIXED O & M COST	2.51 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	11.01 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.4 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.184 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.4 %
IV. (15) GENERATOR CAPACITY FACTOR	3.1 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.48 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.84 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	1.754 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.610 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.22

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	3.69
(2)* PARTICIPANT NET BENEFITS (NPV)	1,230
(3)* RIM TEST - BENEFIT/COST RATIO	1.05

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INPUT DATA - PART 1
PROGRAM TITLE: Conservation Value - Tampa Port Authority

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PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	162.000 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	129.139 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	6.5 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	10,616 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.8 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	10,000 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.4759
II. (5) K FACTOR FOR T & D	1.4759
(6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	1000.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	0 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.4 %
III. (4) CUSTOMER EQUIPMENT COST	132250.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.1 %
III. (6) CUSTOMER O & M COST	0 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.1 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0 %
III. (10)* INCREASED SUPPLY COSTS	0 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0 %
III. (12)* UTILITY DISCOUNT RATE	0.07937
III. (13)* UTILITY AFUDC RATE	0.0816
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	25500.00 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	0.00 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2014
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2020
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2015
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	585.19 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	11.51 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	55.94 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.4 %
IV. (8) GENERATOR FIXED O & M COST	11.67 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.4 %
IV. (10) TRANSMISSION FIXED O & M COST	2.51 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	11.01 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.4 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.184 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.4 %
IV. (15) GENERATOR CAPACITY FACTOR	3.1 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.48 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.84 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	1.754 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.610 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.49

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	1.18
(2)* PARTICIPANT NET BENEFITS (NPV)	23
(3)* RIM TEST - BENEFIT/COST RATIO	1.01

INPUT DATA - PART 1
PROGRAM TITLE: Conservation Value - Lamb ES

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 RUN DATE: March 28, 2016

PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	195.900 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	177.391 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	7.00 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	0 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.20 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	0 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.4600
II. (5) K FACTOR FOR T & D	1.4600
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	2,100.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	0.00 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.50 %
III. (4) CUSTOMER EQUIPMENT COST	85,000.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.30 %
III. (6) CUSTOMER O & M COST	0.00 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.30 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0.00 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0.00 %
III. (10)* INCREASED SUPPLY COSTS	0.00 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0.00 %
III. (12)* UTILITY DISCOUNT RATE	0.07287
III. (13)* UTILITY AFUDC RATE	0.0647
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	48825.91 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	0.00 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.00 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2015
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2021
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2016
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	594.99 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	11.92 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	57.96 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.50 %
IV. (8) GENERATOR FIXED O & M COST	11.63 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %
IV. (10) TRANSMISSION FIXED O & M COST	2.95 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	10.84 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.50 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.188 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %
IV. (15) GENERATOR CAPACITY FACTOR	5.50 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.38 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.13 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0.00 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0.00 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	1.988 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1.00 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.740 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1.00 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.61

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	2.65
(2)* PARTICIPANT NET BENEFITS (NPV)	768
(3)* RIM TEST - BENEFIT/COST RATIO	1.00

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DOCKET NO. 160002-EG
 FINAL ECCR 2015 TRUE-UP
 EXHIBIT MRR-1, SCHEDULE CT-6, PAGE 22 OF 50

INPUT DATA - PART 1
PROGRAM TITLE: Conservation Value - Jewish Community Center

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PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	142.700 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	129.218 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	7.00 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	0 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.20 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	0 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.4600
II. (5) K FACTOR FOR T & D	1.4600
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	0.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	0.00 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.50 %
III. (4) CUSTOMER EQUIPMENT COST	42,000.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.30 %
III. (6) CUSTOMER O & M COST	0.00 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.30 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0.00 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0.00 %
III. (10)* INCREASED SUPPLY COSTS	0.00 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0.00 %
III. (12)* UTILITY DISCOUNT RATE	0.07287
III. (13)* UTILITY AFUDC RATE	0.0647
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	18708.56 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	0.00 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.00 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2015
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2021
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2016
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	594.99 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	11.92 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	57.96 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.50 %
IV. (8) GENERATOR FIXED O & M COST	11.63 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.50 %
IV. (10) TRANSMISSION FIXED O & M COST	2.95 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	10.84 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.50 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.188 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.50 %
IV. (15) GENERATOR CAPACITY FACTOR	5.50 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.38 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.13 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0.00 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0.00 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	1.988 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1.00 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.740 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1.00 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.69

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	4.00
(2)* PARTICIPANT NET BENEFITS (NPV)	674
(3)* RIM TEST - BENEFIT/COST RATIO	1.00

Pursuant to Docket No. 900885-EG, Commission Order No. 24276, issued March 25, 1991 for the purpose of approving Tampa Electric Company's Conservation Value Program, the company is filing the attached table on the following page. Specifically, the table provides incentive payments as well as other program costs incurred during the January through December 2015 period. The table format was filed with the Commission on April 23, 1991 in response to the aforementioned order requesting the program participation standards.

**Tampa Electric Company
Conservation Value Program
Customer Incentive Payment Schedule
January 2015 - December 2015**

Customer Data	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
Hillsborough County Schools - Durant²	\$60,000											
Average Summer Demand Savings:	540											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Hillsborough County Schools - Lennard/Thompson²	\$82,143						\$82,142					
Average Summer Demand Savings:	603											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Plastipak¹					\$86,853							
Average Summer Demand Savings:	595											
Average Winter Demand Savings:	683											
Annual Energy Savings:	1,674,516											
Hillsborough County Schools - Mintz¹							\$34,650					
Average Summer Demand Savings:	286											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Hillsborough County Schools - Cannella¹										\$32,868		
Average Summer Demand Savings:	253											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Tampa Port Authority³												
Average Summer Demand Savings:	125											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Hillsborough County Schools - Lamb³												
Average Summer Demand Savings:	196											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Jewish Community Center³												
Average Summer Demand Savings:	143											
Average Winter Demand Savings:	0											
Annual Energy Savings:	0											
Monthly Totals:	\$142,143	\$0	\$0	\$0	\$86,853	\$0	\$116,792	\$0	\$0	\$32,868	\$0	\$0

Total Incentives Paid for Period **\$378,656**
Total Other Expenses for Period: **\$13,020**
Total Incentives and Expenses for Period: **\$391,676**

Note 1: Project has achieved 90 days of successful operation, 1st half of rebate paid
Note 2: Project has achieved one year of successful operation, final portion of rebate paid
Note 3: Project awaiting final installation or has not achieved 90 days of successful operation, no portions of rebate paid

Program Description and Progress

Program Title: Cool Roof

Program Description: The Cool Roof Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing a cool roof system above conditioned spaces to help reduce their energy consumption and demand while reducing Tampa Electric's weather sensitive peak demand. Cool roofs reduce the heat load transferred into a building or facility by reflecting some of the sun's energy which reduces the load on commercial/industrial air conditioning and cooling equipment. Qualifying structures are eligible for a rebate based upon the total square footage of cool roof PVC membrane installed over conditioned space.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 45

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$343,694.

Program Progress Summary: Through this reporting period 194 customers have participated.

Program Description and Progress

Program Title: Commercial Cooling

Program Description: The Commercial Cooling Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing high efficiency heating and cooling systems to help reduce their energy consumption and demand while reducing Tampa Electric's weather sensitive peak demand. High efficiency heating and cooling systems require less demand and energy as compared to standard systems. This program will rebate commercial/industrial customers that install a qualifying air conditioning system.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 234

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$138,755.

Program Progress Summary: Through this reporting period 2,289 customers have participated.

Program Description and Progress

Program Title: Demand Response

Program Description: Tampa Electric's Commercial Demand Response is a conservation and load management program intended to help alter the company's system load curve by reducing summer and winter demand peaks. The company will contract for a turn-key program that will induce commercial/industrial customers to reduce their demand for electricity in response to market signals. Reductions will be achieved through a mix of emergency backup generation, energy management systems, raising cooling set-points and turning off or dimming lights, signage, etc.

Program Accomplishments: January 1, 2015 to December 31, 2015

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$4,002,913.

Program Progress Summary: Through this reporting period the company's vendor maintains a portfolio of participating customers providing an available total of 40 MW for demand response control.

Program Description and Progress

Program Title: Commercial Duct Repair

Program Description: The Commercial Duct Repair Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal of this conservation program is to offer rebates for sealing existing facility's duct system to reduce demand and energy by decreasing the load on commercial HVAC equipment. This program eliminates or reduces areas of HVAC air distribution losses by sealing and repairing the ADS.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 257

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$91,410.

Program Progress Summary: Through this reporting period 10,934 customers have participated.

Program Description and Progress

Program Title: Commercial Electronically Commutated Motors (ECM)

Program Description: The Commercial ECM Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal of this conservation program is to offer rebates for installing electronically commutated motors in existing air conditioning and refrigeration equipment. The program is aimed at reducing energy and the growth of weather sensitive peak demand by encouraging customers to replace current induction motors with high efficiency ECM that exceed minimum product manufacturing standards.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 85

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$15,354.

Program Progress Summary: Through this reporting period 85 customers have participated.

Program Description and Progress

Program Title: Industrial Load Management (GSLM 2&3)

Program Description: This load management program is for large industrial customers with interruptible loads of 500 kW or greater.

Program Accomplishments: January 1, 2015 to December 31, 2015

Net new customers participating: 1

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$15,073,926.

Program Progress Summary: This program was approved by the Commission in Docket No. 990037-EI, Order No. PSC-99-1778-FOF-EI, issued September 10, 1999.

Beginning May 2009, Tampa Electric transferred existing IS (non-firm) customers to a new IS (firm) rate schedule. These customers are now incented under GSLM-2 or GSLM-3 rate riders with expenses recovered through the ECCR clause.

Program Description and Progress

Program Title: Lighting Conditioned Space

Program Description: The Lighting Conditioned Space Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient lighting technology and systems within conditioned space to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying conditioned spaces lighting systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 86

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$207,710.

Program Progress Summary: Through this reporting period 1,785 customers have participated.

Program Description and Progress

Program Title: Lighting Non-Conditioned Space

Program Description: The Lighting Non-Conditioned Space Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient outdoor lighting technology and systems or in non-conditioned spaces to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying non-conditioned spaces lighting systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 16

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$11,552.

Program Progress Summary: Through this reporting period 153 customers have participated.

Program Description and Progress

Program Title: Lighting Occupancy Sensors

Program Description: The Lighting Occupancy Sensors Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing lighting occupancy sensors to efficiently control lighting systems to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying occupancy sensors for lighting systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 2

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$12,317.

Program Progress Summary: Through this reporting period 200 customers have participated.

Program Description and Progress

Program Title: Commercial Load Management

Program Description: The Commercial Load Management Program is intended to help alter Tampa Electric's system load curve by reducing summer and winter demand peaks. The goal is to offer customer incentives for allowing the installation and control of load management control equipment on specific technologies to reduce Tampa Electric's weather sensitive peak demand. Customers that participate in this program choose whether to have the technology controlled either interrupted for the entire control period or cycled during the control period. Tampa Electric will provide a monthly incentive credit to customers participating in this program.

Program Accomplishments: January 1, 2015 to December 31, 2015

Net new customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$12,536.

Program Progress Summary: Through this reporting period there are six participating customers on cyclic control and zero customers on extended control.

Program Description and Progress

Program Title: Refrigeration Anti-Condensate Control

Program Description: The Refrigeration Anti-Condensate Control Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient anti-condensate control technology for their refrigerated door heaters to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying anti-condensate control systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$132.

Program Progress Summary: Through this reporting period zero customers have participated. Expenses incurred were associated with administration and participation protocols.

Program Description and Progress

Program Title: Standby Generator

Program Description: The Standby Generator Program is designed to utilize the emergency generation capacity of commercial/industrial facilities in order to reduce weather sensitive peak demand. Tampa Electric provides the participating customers a 30-minute notice that their generation will be required. This allows customers time to start generators and arrange for orderly transfer of load. Tampa Electric meters and issues monthly credits for that portion of the generator's output that could serve normal building load after the notification time. Normal building load is defined as load (type, amount and time duration) that would have been served by Tampa Electric if the emergency generator did not operate. Under no circumstances will the generator deliver power to Tampa Electric's grid. Under the Environmental Protection Agency's rules, Tampa Electric classifies the Standby Generator Program as a non-emergency program.

Program Accomplishments: January 1, 2015 to December 31, 2015

Net new customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$2,938,179.

Program Progress Summary: Through this reporting period there are 96 participating customers.

Program Description and Progress

Program Title: Thermal Energy Storage

Program Description: The Commercial TES Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing off-peak air conditioning systems to help reduce their demand while reducing Tampa Electric's weather sensitive peak demand. Tampa Electric will provide a rebate to customers who install qualifying TES systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$0.

Program Progress Summary: Through this reporting period zero customers have participated.

Program Description and Progress

Program Title: Commercial Wall Insulation

Program Description: The Commercial Wall Insulation Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing wall insulation to help reduce their energy consumption and demand while reducing Tampa Electric's weather sensitive peak demand. Wall insulation is designed to reduce demand and energy by decreasing the load on commercial/industrial HVAC equipment. Qualifying structures are eligible for a rebate based upon the total square footage of insulation installed in exterior walls adjacent to conditioned spaces. Certificates for participation will be issued through energy audits or by direct evaluation of the current building envelope.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$484.

Program Progress Summary: Through this reporting period two customers have participated. Expenses incurred were associated with administration and participation protocols.

Program Description and Progress

Program Title: Commercial Water Heating

Program Description: The Commercial Water Heating Program is designed to encourage commercial/industrial customers to make cost-effective improvements to existing facilities. The goal is to offer customer rebates for installing energy efficient water heating systems to help reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install qualifying water heating systems.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$30.

Program Progress Summary: Through this reporting period zero customers have participated. Expenses incurred were associated with administration and participation protocols.

Program Description and Progress

Program Title: DSM Research and Development (R&D)

Program Description: This program is in response to Rule 25-17.001 (5) (f), F.A.C., that requires aggressive R&D projects be "...an ongoing part of the practice of every well managed utility's programs." It is also in support of FPSC Order No. 22176 dated November 14, 1989, requiring utilities to "...pursue research, development, and demonstration projects designed to promote energy efficiency and conservation." R&D activity will be conducted on proposed measures to determine the impact to the company and its ratepayers and may occur at customer premises, Tampa Electric facilities or at independent test sites. Tampa Electric will report program progress through the annual ECCR True-Up filing.

Program Accomplishments: January 1, 2015 to December 31, 2015

There were no new DSM R&D activities during this reporting period.

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$0.

Program Progress Summary: For 2015, Tampa Electric had no new activity in DSM R&D.

Program Description and Progress

Program Title: Renewable Energy Initiative

Program Description: This program provides customers with the option to purchase 200 kWh blocks of renewable energy for five dollars per block to assist in the delivery of renewable energy to the company's grid system. This specific effort provides funding for renewable energy procurement, program administration, evaluation and market research.

Program Accomplishments: January 1, 2015 to December 31, 2015

Year-end customers participating:	1,860
Number of net customers participating:	-115
Blocks of energy purchased:	2,753
One-time blocks of energy sold:	105

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were a credit of \$117,532.

Program Progress Summary: Through this reporting period 34,189 monthly and one-time blocks of renewable energy have been purchased.

Program Description and Progress

Program Title: Renewable Energy Systems Initiative

Program Description: This is a five-year renewable energy pilot program that uses rebates and incentives to encourage the following: 1) the installation of solar photovoltaic ("PV") on existing and new residential and commercial premises; 2) the installation of solar water heating ("SWH") technologies on existing and new residential premises; 3) the installation of PV on emergency shelter schools coupled with an educational component for teachers and students; and 4) the installation of SWH on low income housing done in partnership with local non-profit building organizations. This program was retired on December 31, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating:

Residential PV:	53
Commercial PV:	1
School PV:	1
Residential SWH:	54
Low-income SWH:	0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$1,275,980.

Program Progress Summary: Through this reporting period the following customers have participated:

Residential PV:	280
Commercial PV:	26
School PV:	5
Residential SWH:	228
Low-income SWH:	14

Program Description and Progress

Program Title: Commercial Energy Recovery Ventilation

Program Description: A conservation incentive program designed to help commercial/industrial customers reduce humidity and HVAC loads in buildings. This measure is intended to reduce demand and energy while improving comfort of commercial buildings. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$1,190.

Program Progress Summary: Through this reporting period three customers have participated. Expenses incurred were associated with administration and participation protocols.

Program Description and Progress

Program Title: Commercial Lighting – Exit Signs

Program Description: This program is designed to encourage commercial/industrial customers to invest in more efficient exit sign lighting systems. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 2

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$339.

Program Progress Summary: Through this reporting period 48 customers have participated.

Program Description and Progress

Program Title: Commercial HVAC Re-commissioning

Program Description: A conservation program designed to help commercial/industrial customers ensure HVAC equipment is operating at optimal efficiency by incenting maintenance and tune-up of equipment. This will in turn help commercial/industrial customers reduce demand and energy usage. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 250

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$126,778.

Program Progress Summary: Through this reporting period 546 customers have participated.

Program Description and Progress

Program Title: Commercial/Industrial Efficient Motors

Program Description: A conservation program designed to encourage commercial/industrial customers to install premium-efficiency motors in new or existing facilities through incentives. The program is aimed at reducing the growth of peak demand and energy by encouraging customers to replace worn out, inefficient equipment with high efficiency equipment that exceeds minimum product manufacturing standards. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$298.

Program Progress Summary: Through this reporting period 124 customers have participated. Expenses incurred were associated with administration and participation protocols.

Program Description and Progress

Program Title: Commercial Roof Insulation

Program Description: This is a conservation program designed to reduce demand and energy by decreasing the load on commercial air conditioning and heating (“HVAC”) equipment. Through incentives, the program will encourage commercial/industrial customers to invest in roof insulation improving the energy efficiency of the building envelope. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 2

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$83,612.

Program Progress Summary: Through this reporting period eight customers have participated.

Program Description and Progress

Program Title: Commercial Window Film

Program Description: This is a conservation program designed to reduce demand and energy by decreasing the load on commercial air conditioning and heating (“HVAC”) equipment. Through incentives, the program will encourage commercial/industrial customers to invest in window film and improving the energy efficiency of the building envelope. This program was retired on November 2, 2015.

Program Accomplishments: January 1, 2015 to December 31, 2015

Number of customers participating: 18

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$39,820.

Program Progress Summary: Through this reporting period 118 customers have participated.

Program Description and Progress

Program Title: Common Expenses

Program Description: These are expenses common to all programs.

Program Accomplishments: January 1, 2015 to December 31, 2015

N/A

Program Fiscal Expenditures: January 1, 2015 to December 31, 2015

Actual expenses were \$1,313,470.

Program Progress Summary: N/A

CONSERVATION COSTS
PROJECTED

INDEX

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 16
PARTY: TAMPA ELECTRIC COMPANY –
DIRECT
DESCRIPTION: Mark R. Roche MRR-2

TAMPA ELECTRIC COMPANY
 CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
 JANUARY 2017 THROUGH DECEMBER 2017
 Projected

	(1) AVG 12CP Load Factor at Meter (%)	(2) Projected Sales at Meter (MwH)	(3) Projected AVG 12 CP at Meter (Mw)	(4) Demand Loss Expansion Factor	(5) Energy Loss Expansion Factor	(6) Projected Sales at Generation (MwH)	(7) Projected AVG 12 CP at Generation (Mw)	(8) Percentage of Sales at Generation (%)	(9) Percentage of Demand at Generation (%)	(10) 12 CP & 1/13% Avg Demand Factor (%)
RS	53.13%	8,934,018	1,919	1.07835	1.05122	9,391,609	2,070	46.88%	56.83%	56.06%
GS,TS	62.24%	1,001,850	184	1.07835	1.05120	1,053,149	198	5.26%	5.44%	5.43%
GSD Optional	3.82%	400,105	59	1.07384	1.04767	419,179	64	2.09%	1.76%	1.79%
GSD, SBF Standard	73.08%	7,655,374	1,136	1.07384	1.04767	8,020,323	1,220	40.03%	33.50%	34.00%
IS	128.17%	908,781	81	1.02975	1.01779	924,945	83	4.62%	2.28%	2.46%
LS-1	354.65%	213,951	7	1.07835	1.05122	224,909	7	1.12%	0.19%	0.26%
TOTAL		19,114,079	3,387			20,034,114	3,642	100%	100%	100%

- (1) AVG 12 CP load factor based on projected 2016 calendar data.
- (2) Projected MWH sales for the period Jan. 2017 thru Dec. 2017
- (3) Calculated: Col (2) / (8760*Col (1)).
- (4) Based on 2016 projected demand losses.
- (5) Based on 2016 projected energy losses.
- (6) Col (2) * Col (5).
- (7) Col (3) * Col (4).
- (8) Col (6) / total for Col (6).
- (9) Col (7) / total for Col (7).
- (10) Col (8) * 0.0769 + Col (9) * 0.9231

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TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Summary of Cost Recovery Clause Calculation
 For Months January 2017 through December 2017

1. Total Incremental Cost (C-2, Page 1, Line 17)	36,314,441
2. Demand Related Incremental Costs	23,753,197
3. Energy Related Incremental Costs	12,561,244

RETAIL BY RATE CLASS

	<u>RS</u>	<u>GS,TS</u>	<u>GSD, SBF STANDARD</u>	<u>GSD OPTIONAL</u>	<u>IS</u>	<u>LS1</u>	<u>Total</u>
4. Demand Allocation Percentage	56.06%	5.43%	34.00%	1.79%	2.46%	0.26%	100.00%
5. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	13,316,042	1,289,799	8,076,087	425,182	584,329	61,758	<u>23,753,197</u>
6. Demand Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 6 (Allocation of D & E is based on the forecast period cost.)	<u>591,599</u>	<u>57,303</u>	<u>358,801</u>	<u>18,890</u>	<u>25,960</u>	<u>2,744</u>	<u>1,055,297</u>
7. Total Demand Related Incremental Costs	<u>13,907,642</u>	<u>1,347,101</u>	<u>8,434,888</u>	<u>444,072</u>	<u>610,289</u>	<u>64,502</u>	<u>24,808,494</u>
8. Energy Allocation Percentage	46.88%	5.26%	40.03%	2.09%	4.62%	1.12%	100.00%
9. Net Energy Related Incremental Costs	5,888,711	660,721	5,028,266	262,530	580,329	140,686	<u>12,561,244</u>
10. Energy Portion of End of Period True Up (O)/U Recovery Shown on Schedule C-3, Pg 6 (Allocation of D & E is based on the forecast period cost.)	<u>254,857</u>	<u>28,595</u>	<u>217,618</u>	<u>11,362</u>	<u>25,116</u>	<u>6,089</u>	<u>543,638</u>
11. Total Net Energy Related Incremental Costs	<u>6,143,569</u>	<u>689,317</u>	<u>5,245,884</u>	<u>273,892</u>	<u>605,446</u>	<u>146,775</u>	<u>13,104,882</u>
12. Total Incremental Costs (Line 5 + 9)	19,204,753	1,950,520	13,104,353	687,712	1,164,658	202,444	36,314,441
13. Total True Up (Over)/Under Recovery (Line 6 + 10) (Schedule C-3, Pg 6, Line 11) (Allocation of D & E is based on the forecast period cost.)	<u>846,457</u>	<u>85,898</u>	<u>576,419</u>	<u>30,252</u>	<u>51,076</u>	<u>8,833</u>	<u>1,598,935</u>
14. Total (Line 12 + 13)	<u>20,051,210</u>	<u>2,036,418</u>	<u>13,680,772</u>	<u>717,964</u>	<u>1,215,735</u>	<u>211,277</u>	<u>37,913,376</u>
15. Retail MWH Sales	8,934,018	1,001,850	7,655,374	400,105	908,781	213,951	19,114,079
16. Effective MWH at Secondary	8,934,018	1,001,850	7,655,374	400,105	908,781	213,951	19,114,079
17. Projected Billed KW at Meter	*	*	17,796,925	*	2,514,473	*	
18. Cost per KWH at Secondary (Line 14/Line 16)	0.22444	0.20327	*	0.17944	*	0.09875	
19. Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20. Adjustment Factor Adjusted for Taxes	0.2246	0.2034	*	0.1796	*	0.0988	
21. Conservation Adjustment Factor (cents/KWH)							
<u>RS, GS, TS, GSD Optional and LS-1 Rates (cents/KWH) *</u>							
- Secondary	<u>0.225</u>	<u>0.203</u>		<u>0.180</u>		<u>0.099</u>	
- Primary				<u>0.178</u>			
- Subtransmission				<u>0.176</u>			
<u>GSD, SBF, IS Standard Rates (\$/KW) *</u>							
<u>Full Requirement</u>							
- Secondary	*	*	<u>0.77</u>	*	<u>0.48</u>	*	
- Primary	*	*	<u>0.76</u>	*	<u>0.48</u>	*	
- Subtransmission	*	*	<u>0.75</u>	*	<u>0.47</u>	*	

* (ROUNDED TO NEAREST .001 PER KWH or KW)

TAMPA ELECTRIC COMPANY
Conservation Program Costs
Estimated For Months January 2017 through December 2017

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000353-12) Energy Audits (E)	194,803	196,281	207,094	188,074	200,168	214,305	201,018	202,918	213,508	216,794	200,829	187,097	2,422,889
12000381 Residential Ceiling Insulation	17,675	39,818	19,940	21,025	21,025	26,582	26,532	48,675	26,582	22,103	33,168	17,675	320,800
12000391 Residential Duct Repair	17,765	31,068	18,578	32,439	33,665	34,528	20,312	33,690	20,312	33,690	17,665	31,043	324,755
12000419 Residential Electronically Commutated Mo	0	0	0	0	0	0	0	0	220	0	0	0	220
12000375 Energy Education, Awareness and Agency	8,308	8,302	8,289	8,283	7,283	14,783	7,283	8,283	7,283	7,283	7,283	8,283	100,946
12000431 Energy Star for New Homes	67,476	66,626	73,388	70,888	72,938	70,604	70,589	79,140	79,140	81,840	79,940	79,473	892,042
12000349 Residential Heating and Cooling	48,760	48,750	52,251	52,851	55,752	62,284	76,732	76,732	47,797	47,787	49,197	48,760	667,653
12000425 Neighborhood Weatherization	383,564	323,564	323,564	323,564	368,564	331,784	331,784	331,784	368,564	323,564	323,352	323,352	4,057,004
12000433 Energy Planner	375,179	280,324	282,986	290,376	268,186	270,585	270,202	271,828	284,102	241,862	281,923	283,426	3,400,979
12000365 Residential Wall Insulation	267	0	267	0	267	0	314	0	267	0	314	267	1,963
12000367 Residential Window Replacement	50,388	50,388	50,388	50,388	50,388	50,539	50,539	50,539	50,539	50,539	50,539	50,388	605,562
12000351 Prime Time	11,891	11,203	11,126	11,236	11,975	11,428	11,314	11,894	11,153	11,421	12,520	11,435	138,596
12000397 Commercial Ceiling Insulation	3,955	495	3,955	495	3,955	495	3,955	495	2,675	495	495	1,395	22,860
12000411 Commercial Chiller	125	25	3,810	7,500	3,810	7,600	25	7,500	7,600	3,810	25	25	41,855
12000371 Cogeneration	3,625	3,625	3,625	3,807	3,807	3,807	3,807	3,807	3,807	3,807	3,807	3,807	45,138
12000389 Conservation Value	61,812	1,812	1,812	1,091	1,091	1,812	61,812	1,812	1,091	1,091	1,812	61,812	198,860
12000443 Cool Roof	26,007	8,669	25,907	43,146	17,288	8,769	8,669	8,669	8,769	17,288	17,288	43,607	234,076
12000429 Commercial Cooling	696	368	646	368	646	418	924	646	418	368	91	91	5,680
12000409 Demand Response	311,340	314,540	311,340	311,340	308,720	308,720	311,340	311,340	311,340	311,340	308,720	308,720	3,728,800
12000377 Commercial Duct Repair	2,442	3,651	4,134	4,134	1,717	2,442	3,651	3,651	2,442	1,234	1,234	992	31,724
12000441 Commercial ECM	1,471	586	586	586	586	1,329	586	586	1,329	586	586	1,471	10,288
12000379 Industrial Load Management (GLSM 2&3)	1,220,048	1,220,042	1,220,034	1,220,028	1,220,021	1,220,014	1,220,008	1,220,000	1,219,994	1,219,987	1,219,980	1,219,973	14,640,129
12000385 Lighting Conditioned Space	23,258	17,312	25,931	20,185	17,312	14,640	17,312	17,312	23,258	14,440	14,440	11,567	216,967
12003201 Lighting Non-Conditioned Space	9,561	4,730	3,154	9,461	4,730	6,407	7,884	9,461	7,984	6,307	4,730	4,730	79,139
12000413 Lighting Occupancy Sensors	1,816	25	25	948	1,766	1,816	1,766	2,584	998	948	25	948	13,665
12000383 CILM (GLSM 1)	30,229	15,229	15,229	1,000	1,000	1,000	1,000	1,000	1,000	1,000	0	0	67,687
12000415 Refrigeration Anti-condensate Control	1,739	0	0	0	0	0	1,739	0	0	0	0	0	3,478
12000387 Standby Generator	257,665	257,665	257,665	257,665	257,665	257,665	257,665	267,235	267,235	267,235	267,235	267,235	3,139,830
12003202 Thermal Energy Storage	524	524	1,978	41,386	1,978	524	81,978	1,978	524	1,978	81,978	1,245	216,595
12000399 Commercial Wall Insulation	0	0	0	0	0	2,214	0	0	0	0	0	0	2,214
12000417 Commercial Water Heating	2,239	0	0	0	2,189	50	0	0	50	0	0	2,189	6,717
12000427 Conservation Research and Development	2,312	262	262	262	262	312	262	262	262	2,262	262	312	7,294
12000393 Renewable Energy Program	0	0	0	0	0	0	0	0	0	0	0	0	0
12000347 Common Expenses	55,780	54,570	56,783	55,446	55,783	55,202	54,134	56,758	54,597	57,631	56,691	54,661	668,036
Total All Programs	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conv. Expenses	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441
Summary of Demand & Energy													
Energy	1,144,911	974,197	999,337	1,053,661	1,033,040	1,020,781	1,141,510	1,054,686	1,044,637	986,829	1,058,236	1,049,416	12,561,244
Demand	2,047,809	1,986,257	1,985,410	1,974,311	1,961,497	1,961,877	1,963,626	1,975,893	1,980,203	1,961,861	1,977,893	1,976,563	23,753,197
Total Recoverable Conv. Expenses	3,192,720	2,960,454	2,984,747	3,027,972	2,994,537	2,982,658	3,105,136	3,030,579	3,024,840	2,948,690	3,036,129	3,025,979	36,314,441

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2017 through December 2017

Program Name	(A) Capital Investment	(B) Payroll & Benefits	(C) Materials & Supplies	(D) Outside Services	(E) Advertising	(F) Incentives	(G) Vehicles	(H) Other	(I) Program Revenues	(J) Total
12000353- Energy Audits (E)	0	1,549,136	13,900	133,972	547,003	0	130,176	48,702	0	2,422,889
12000381 Residential Ceiling Insulation	0	63,550	0	0	0	251,040	3,900	2,310	0	320,800
12000391 Residential Duct Repair	0	55,954	0	0	0	252,450	3,900	12,451	0	324,755
12000419 Residential Electronically Commutated Motors	0	0	0	105	0	115	0	0	0	220
12000375 Energy Education, Awareness and Agency Outreach	0	59,174	7,200	9,672	0	0	4,800	20,100	0	100,946
12000431 Energy Star for New Homes	0	31,213	0	1,224	2,000	850,000	705	6,900	0	892,042
12000349 Residential Heating and Cooling	0	83,656	0	10,810	0	567,000	705	5,482	0	667,653
12000425 Neighborhood Weatherization	0	403,842	960	953,810	0	2,679,504	8,100	10,788	0	4,057,004
12000433 Energy Planner	1,640,344	964,391	13,700	251,464	264,000	0	106,680	160,400	0	3,400,979
12000365 Residential Wall Insulation	0	567	0	94	0	1,232	70	0	0	1,963
12000367 Residential Window Replacement	0	53,352	0	4,230	0	547,200	780	0	0	605,562
12000351 Prime Time	0	76,832	0	24,000	0	0	0	37,764	0	138,596
12000397 Commercial Ceiling Insulation	0	8,760	0	0	0	13,500	600	0	0	22,860
12000411 Commercial Chiller	0	2,755	0	0	0	38,500	300	300	0	41,855
12000371 Cogeneration	0	45,138	0	0	0	0	0	0	0	45,138
12000389 Conservation Value	0	12,056	0	6,504	0	180,000	300	0	0	198,860
12000443 Cool Roof	0	40,476	0	0	0	192,700	600	300	0	234,076
12000429 Commercial Cooling	0	2,670	0	0	0	2,560	300	150	0	5,680
12000409 Demand Response	0	52,400	0	0	0	3,672,000	1,200	3,200	0	3,728,800
12000377 Commercial Duct Repair	0	11,924	0	0	0	19,500	300	0	0	31,724
12000441 Commercial ECM	0	2,688	0	1,000	0	6,500	100	0	0	10,288
12000379 Industrial Load Management (GLSM 2&3)	12,009	15,720	0	0	0	14,611,200	1,200	0	0	14,640,129
12000385 Lighting Conditioned Space	0	57,967	0	0	0	157,500	600	900	0	216,967
12003201 Lighting Non-Conditioned Space	0	38,839	0	0	0	40,000	0	300	0	79,139
12000413 Lighting Occupancy Sensors	0	2,715	0	0	0	10,500	300	150	0	13,665
12000383 CILM (GLSM 1)	0	45,687	0	15,000	0	7,000	0	0	0	67,687
12000415 Refrigeration Anti-condensate Control	0	428	0	0	0	3,000	50	0	0	3,478
12000387 Standby Generator	0	86,460	0	0	0	3,053,010	360	0	0	3,139,830
12003202 Thermal Energy Storage	0	12,693	0	3,552	0	200,000	350	0	0	216,595
12000399 Commercial Wall Insulation	0	164	0	0	0	2,000	50	0	0	2,214
12000417 Commercial Water Heating	0	492	0	0	0	6,000	75	150	0	6,717
12000427 Conservation Research and Development	0	3,144	0	0	0	0	150	4,000	0	7,294
12000393 Renewable Energy Program	0	31,440	0	192,000	0	0	780	0	(224,220)	0
12000347 Common Expenses	0	508,086	0	142,800	0	0	1,800	15,350	0	668,036
Total All Programs	1,652,353	4,324,369	35,760	1,750,237	813,003	27,364,011	269,231	329,697	(224,220)	36,314,441
Summary of Demand & Energy										
Energy	820,172	3,309,459	28,910	1,514,105	681,003	6,020,801	212,156	198,858	(224,220)	12,561,244
Demand	<u>832,181</u>	<u>1,014,910</u>	<u>6,850</u>	<u>236,132</u>	<u>132,000</u>	<u>21,343,210</u>	<u>57,075</u>	<u>130,839</u>	<u>0</u>	<u>23,753,197</u>
Total All Programs	<u>1,652,353</u>	<u>4,324,369</u>	<u>35,760</u>	<u>1,750,237</u>	<u>813,003</u>	<u>27,364,011</u>	<u>269,231</u>	<u>329,697</u>	<u>(224,220)</u>	<u>36,314,441</u>

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2017 through December 2017

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	113,500	1,362,000
2. Retirements		96,654	112,575	160,676	21,432	20,915	101,805	0	27,546	58,804	106,677	22,187	22,405	751,675
3. Depreciation Base		6,440,424	6,441,349	6,394,173	6,486,241	6,578,826	6,590,521	6,704,021	6,789,975	6,844,671	6,851,494	6,942,807	7,033,902	
4. Depreciation Expense		<u>107,200</u>	<u>107,348</u>	<u>106,963</u>	<u>107,337</u>	<u>108,876</u>	<u>109,745</u>	<u>110,788</u>	<u>112,450</u>	<u>113,622</u>	<u>114,135</u>	<u>114,953</u>	<u>116,473</u>	<u>1,329,890</u>
5. Cumulative Investment	6,423,578	6,440,424	6,441,349	6,394,173	6,486,241	6,578,826	6,590,521	6,704,021	6,789,975	6,844,671	6,851,494	6,942,807	7,033,902	7,033,902
6. Less: Accumulated Depreciation	2,970,936	<u>2,981,482</u>	<u>2,976,255</u>	<u>2,922,542</u>	<u>3,008,447</u>	<u>3,096,408</u>	<u>3,104,348</u>	<u>3,215,136</u>	<u>3,300,040</u>	<u>3,354,858</u>	<u>3,362,316</u>	<u>3,455,082</u>	<u>3,549,150</u>	<u>3,549,150</u>
7. Net Investment	<u>3,452,642</u>	<u>3,458,942</u>	<u>3,465,094</u>	<u>3,471,631</u>	<u>3,477,794</u>	<u>3,482,418</u>	<u>3,486,173</u>	<u>3,488,885</u>	<u>3,489,935</u>	<u>3,489,813</u>	<u>3,489,178</u>	<u>3,487,725</u>	<u>3,484,752</u>	<u>3,484,752</u>
8. Average Investment		3,455,792	3,462,018	3,468,363	3,474,713	3,480,106	3,484,296	3,487,529	3,489,410	3,489,874	3,489,496	3,488,452	3,486,239	
9. Return on Average Investment - Equity Component		20,237	20,274	20,311	20,348	20,380	20,404	20,423	20,434	20,437	20,435	20,429	20,416	244,528
10. Return on Average Investment - Debt Component		<u>5,456</u>	<u>5,466</u>	<u>5,476</u>	<u>5,486</u>	<u>5,495</u>	<u>5,501</u>	<u>5,506</u>	<u>5,509</u>	<u>5,510</u>	<u>5,509</u>	<u>5,508</u>	<u>5,504</u>	<u>65,926</u>
11. Total Depreciation and Return		<u>132,893</u>	<u>133,088</u>	<u>132,750</u>	<u>133,171</u>	<u>134,751</u>	<u>135,650</u>	<u>136,717</u>	<u>138,393</u>	<u>139,569</u>	<u>140,079</u>	<u>140,890</u>	<u>142,393</u>	<u>1,640,344</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 7.0273% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2017 through December 2017

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	
4. Depreciation Expense		<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>11,028</u>
5. Cumulative Investment	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126
6. Less: Accumulated Depreciation	38,618	<u>39,537</u>	<u>40,456</u>	<u>41,375</u>	<u>42,294</u>	<u>43,213</u>	<u>44,132</u>	<u>45,051</u>	<u>45,970</u>	<u>46,889</u>	<u>47,808</u>	<u>48,727</u>	<u>49,646</u>	<u>49,646</u>
7. Net Investment	<u>16,508</u>	<u>15,589</u>	<u>14,670</u>	<u>13,751</u>	<u>12,832</u>	<u>11,913</u>	<u>10,994</u>	<u>10,075</u>	<u>9,156</u>	<u>8,237</u>	<u>7,318</u>	<u>6,399</u>	<u>5,480</u>	<u>5,480</u>
8. Average Investment		16,049	15,130	14,211	13,292	12,373	11,454	10,535	9,616	8,697	7,778	6,859	5,940	
9. Return on Average Investment - Equity Component		94	89	83	78	72	67	62	56	51	46	40	35	773
10. Return on Average Investment - Debt Component		<u>25</u>	<u>24</u>	<u>22</u>	<u>21</u>	<u>20</u>	<u>18</u>	<u>17</u>	<u>15</u>	<u>14</u>	<u>12</u>	<u>11</u>	<u>9</u>	<u>208</u>
11. Total Depreciation and Return		<u>1,038</u>	<u>1,032</u>	<u>1,024</u>	<u>1,018</u>	<u>1,011</u>	<u>1,004</u>	<u>998</u>	<u>990</u>	<u>984</u>	<u>977</u>	<u>970</u>	<u>963</u>	<u>12,009</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 7.0273% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000353-1: Energy Audits (E)										
2 Actual	0	511,251	3,216	92,604	351,926	0	97,011	24,455	0	1,080,463
3 Projected	0	<u>668,889</u>	<u>3,750</u>	<u>100,898</u>	<u>349,937</u>	0	<u>66,820</u>	<u>32,256</u>	0	<u>1,222,550</u>
4 Total	0	1,180,140	6,966	193,502	701,863	0	163,831	56,711	0	2,303,013
12000381 Residential Ceiling Insulation										
6 Actual	0	33,920	455	2,602	0	111,065	1,605	973	0	150,620
7 Projected	0	<u>34,581</u>	<u>350</u>	<u>0</u>	<u>0</u>	<u>148,720</u>	<u>3,150</u>	<u>1,200</u>	0	<u>188,001</u>
8 Total	0	68,501	805	2,602	0	259,785	4,755	2,173	0	338,621
12000391 Residential Duct Repair										
10 Actual	0	15,647	472	2,548	0	113,299	1,542	5,731	0	139,239
11 Projected	0	<u>24,403</u>	<u>50</u>	<u>0</u>	<u>0</u>	<u>121,275</u>	<u>3,150</u>	<u>5,958</u>	0	<u>154,836</u>
12 Total	0	40,050	522	2,548	0	234,574	4,692	11,689	0	294,075
12000419 Residential Electronically Commutated Motors										
14 Actual	0	0	0	0	0	0	0	0	0	0
15 Projected	0	12	0	105	0	460	0	0	0	<u>577</u>
16 Total	0	12	0	105	0	460	0	0	0	577
12000375 Energy Education, Awareness and Agency Outreach										
18 Actual	0	19,572	126	7,111	0	0	728	2,003	0	29,540
19 Projected	0	<u>30,420</u>	<u>600</u>	<u>9,222</u>	<u>0</u>	<u>0</u>	<u>1,950</u>	<u>3,900</u>	0	<u>46,092</u>
20 Total	0	49,992	726	16,333	0	0	2,678	5,903	0	75,632
12000431 Energy Star for New Homes										
22 Actual	0	11,120	0	451	1,250	211,925	295	3,874	0	228,915
23 Projected	0	<u>13,572</u>	<u>0</u>	<u>1,305</u>	<u>0</u>	<u>255,000</u>	<u>325</u>	<u>3,920</u>	0	<u>274,122</u>
24 Total	0	24,692	0	1,756	1,250	466,925	620	7,794	0	503,037
12000349 Residential Heating and Cooling										
26 Actual	0	37,791	0	5,309	0	246,175	326	1,727	0	291,328
27 Projected	0	<u>42,656</u>	<u>120</u>	<u>6,695</u>	<u>0</u>	<u>297,000</u>	<u>320</u>	<u>3,176</u>	0	<u>349,967</u>
28 Total	0	80,447	120	12,004	0	543,175	646	4,903	0	641,295
12000425 Neighborhood Weatherization										
30 Actual	0	49,659	0	536,784	0	1,238,081	2,595	789	0	1,827,908
31 Projected	0	<u>148,812</u>	<u>950</u>	<u>546,000</u>	<u>0</u>	<u>1,294,530</u>	<u>3,090</u>	<u>3,594</u>	0	<u>1,996,976</u>
32 Total	0	198,471	950	1,082,784	0	2,532,611	5,685	4,383	0	3,824,884
12000433 Energy Planner										
34 Actual	793,467	380,446	5,145	323,543	131,945	0	34,501	78,289	0	1,747,336
35 Projected	<u>787,418</u>	<u>443,378</u>	<u>100</u>	<u>215,742</u>	<u>132,000</u>	<u>0</u>	<u>53,340</u>	<u>96,540</u>	0	<u>1,728,518</u>
36 Total	1,580,885	823,824	5,245	539,285	263,945	0	87,841	174,829	0	3,475,854
12000365 Residential Wall Insulation										
38 Actual	0	1,041	0	0	0	15	0	0	0	1,056
39 Projected	0	<u>79</u>	<u>0</u>	<u>47</u>	<u>0</u>	<u>1,056</u>	<u>0</u>	<u>10</u>	0	<u>1,192</u>
40 Total	0	1,120	0	47	0	1,071	0	10	0	2,248
12000367 Residential Window Replacement										
42 Actual	0	34,674	0	2,929	0	241,547	234	2	0	279,386
43 Projected	0	<u>24,740</u>	<u>0</u>	<u>2,632</u>	<u>0</u>	<u>272,700</u>	<u>340</u>	<u>0</u>	0	<u>300,412</u>
44 Total	0	59,414	0	5,561	0	514,247	574	2	0	579,798
12000421 Residential HVAC Re-Commissioning										
46 Actual	0	2,603	0	0	0	0	0	0	0	2,603
47 Projected	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>0</u>
48 Total	0	2,603	0	0	0	0	0	0	0	2,603
12000373 Residential Window Film										
50 Actual	0	7,021	0	0	0	431	0	0	0	7,452
51 Projected	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>0</u>
52 Total	0	7,021	0	0	0	431	0	0	0	7,452
12000351 Prime Time										
54 Actual	0	84,450	11,421	934,890	0	413,234	10,377	21,252	0	1,475,624
55 Projected	0	<u>105,449</u>	<u>0</u>	<u>94,600</u>	<u>0</u>	<u>8,000</u>	<u>0</u>	<u>18,882</u>	0	<u>226,931</u>
56 Total	0	189,899	11,421	1,029,490	0	421,234	10,377	40,134	0	1,702,555
12000397 Commercial Ceiling Insulation										
58 Actual	0	3,927	0	24	0	30,321	0	0	0	34,272
59 Projected	0	<u>2,910</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>5,400</u>	<u>300</u>	<u>0</u>	0	<u>8,610</u>
60 Total	0	6,837	0	24	0	35,721	300	0	0	42,882
12000411 Commercial Chiller										
62 Actual	0	709	0	12	0	8,760	0	0	0	9,481
63 Projected	0	<u>1,129</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>15,550</u>	<u>150</u>	<u>100</u>	0	<u>16,929</u>
64 Total	0	1,838	0	12	0	24,310	150	100	0	26,410
12000371 Cogeneration										
66 Actual	0	35,187	0	0	0	0	381	0	0	35,568
67 Projected	0	<u>22,614</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	<u>22,614</u>
68 Total	0	57,801	0	0	0	0	381	0	0	58,182
12000389 Conservation Value										
70 Actual	0	4,675	0	24	0	99,603	0	0	0	104,302
71 Projected	0	<u>7,470</u>	<u>0</u>	<u>3,252</u>	<u>0</u>	<u>100,000</u>	<u>150</u>	<u>0</u>	0	<u>110,872</u>
72 Total	0	12,145	0	3,276	0	199,603	150	0	0	215,174

DOCKET NO. 160002-EG
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TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000443 Cool Roof											
74	Actual	0	14,000	0	512	0	51,428	117	6	0	66,063
75	Projected	0	<u>14,853</u>	0	0	0	<u>70,000</u>	<u>300</u>	0	0	<u>85,153</u>
76	Total	0	28,853	0	512	0	121,428	417	6	0	151,216
12000429 Commercial Cooling											
78	Actual	0	4,149	0	119	0	1,142	0	612	0	6,022
79	Projected	0	<u>984</u>	0	0	0	<u>2,100</u>	<u>150</u>	<u>50</u>	0	<u>3,284</u>
80	Total	0	5,133	0	119	0	3,242	150	662	0	9,306
12000409 Demand Response											
82	Actual	0	8,216	0	1,836,000	0	0	155	1,548	0	1,845,919
83	Projected	0	<u>26,200</u>	0	0	0	<u>1,836,000</u>	<u>600</u>	0	0	<u>1,862,800</u>
84	Total	0	34,416	0	1,836,000	0	1,836,000	755	1,548	0	3,708,719
12000377 Commercial Duct Repair											
86	Actual	0	6,375	0	71	0	16,950	0	0	0	23,396
87	Projected	0	<u>5,234</u>	0	0	0	<u>7,050</u>	<u>240</u>	<u>300</u>	0	<u>12,824</u>
88	Total	0	11,609	0	71	0	24,000	240	300	0	36,220
12000441 Commercial ECM											
90	Actual	0	2,792	0	190	0	17,230	0	42	0	20,254
91	Projected	0	<u>820</u>	0	<u>500</u>	0	<u>750</u>	<u>50</u>	0	0	<u>2,120</u>
92	Total	0	3,612	0	690	0	17,980	50	42	0	22,374
12000379 Industrial Load Management (GLSM 2&3)											
94	Actual	6,628	8,183	14,750	2,699	0	7,806,430	6,357	4,894	0	7,849,941
95	Projected	<u>6,374</u>	<u>7,860</u>	0	0	0	<u>7,305,600</u>	<u>600</u>	0	0	<u>7,320,434</u>
96	Total	13,002	16,043	14,750	2,699	0	15,112,030	6,957	4,894	0	15,170,375
12000385 Lighting Conditioned Space											
98	Actual	0	31,936	215	3,266	0	138,458	952	1,496	0	176,323
99	Projected	0	<u>27,196</u>	0	0	0	<u>90,300</u>	<u>246</u>	<u>200</u>	0	<u>117,942</u>
100	Total	0	59,132	215	3,266	0	228,758	1,198	1,696	0	294,265
12003201 Lighting Non-Conditioned Space											
102	Actual	0	0	0	0	0	21,013	199	222	0	21,434
103	Projected	0	<u>14,958</u>	0	0	0	<u>17,325</u>	<u>300</u>	<u>100</u>	0	<u>32,683</u>
104	Total	0	14,958	0	0	0	38,338	499	322	0	54,117
12000413 Lighting Occupancy Sensors											
106	Actual	0	1,246	0	102	0	9,650	23	72	0	11,093
107	Projected	0	<u>1,469</u>	0	0	0	<u>12,000</u>	<u>150</u>	<u>50</u>	0	<u>13,669</u>
108	Total	0	2,715	0	102	0	21,650	173	122	0	24,762
12000383 CILM (GLSM 1)											
110	Actual	0	1,143	0	0	0	2,930	2,258	0	0	6,331
111	Projected	0	<u>6,918</u>	0	0	0	<u>4,000</u>	<u>150</u>	<u>5,000</u>	0	<u>16,068</u>
112	Total	0	8,061	0	0	0	6,930	2,408	5,000	0	22,399
12000415 Refrigeration Anti-condensate Control											
114	Actual	0	29	0	12	0	0	0	0	0	41
115	Projected	0	<u>214</u>	0	0	0	<u>1,500</u>	0	0	0	<u>1,714</u>
116	Total	0	243	0	12	0	1,500	0	0	0	1,755
12000387 Standby Generator											
118	Actual	0	11,562	111	261	0	1,480,627	23	368	0	1,492,952
119	Projected	0	<u>43,230</u>	0	0	0	<u>1,502,580</u>	<u>180</u>	0	0	<u>1,545,990</u>
120	Total	0	54,792	111	261	0	2,983,207	203	368	0	3,038,942
12003202 Thermal Energy Storage											
122	Actual	0	0	215	0	0	0	0	328	0	543
123	Projected	0	<u>5,307</u>	0	<u>540</u>	0	<u>40,000</u>	<u>250</u>	0	0	<u>46,097</u>
124	Total	0	5,307	215	540	0	40,000	250	328	0	46,640
12000399 Commercial Wall Insulation											
126	Actual	0	0	0	12	0	0	0	0	0	12
127	Projected	0	<u>164</u>	0	0	0	<u>2,000</u>	<u>50</u>	0	0	<u>2,214</u>
128	Total	0	164	0	12	0	2,000	50	0	0	2,226
12000417 Commercial Water Heating											
130	Actual	0	29	0	12	0	0	0	0	0	41
131	Projected	0	<u>164</u>	0	0	0	<u>1,200</u>	<u>25</u>	0	0	<u>1,389</u>
132	Total	0	193	0	12	0	1,200	25	0	0	1,430
12000427 Conservation Research and Development											
134	Actual	0	0	0	0	0	0	0	0	0	0
135	Projected	0	0	0	0	0	0	0	0	0	0
136	Total	0	0	0	0	0	0	0	0	0	0
12000393 Renewable Energy Program											
138	Actual	0	15,101	0	9,178	5,237	0	2,208	44,380	(80,480)	(4,376)
139	Projected	0	<u>15,720</u>	0	<u>204,810</u>	0	0	<u>372</u>	0	<u>(220,902)</u>	0
140	Total	0	30,821	0	213,988	5,237	0	2,580	44,380	(301,382)	(4,376)

TAMPA ELECTRIC COMPANY
 Conservation Program Costs

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

Program Name		Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000403-1: Renewable Energy Systems Initiative											
142	Actual	0	13,708	0	6,355	0	8,000	27	4	0	28,094
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	13,708	0	6,355	0	8,000	27	4	0	28,094
12000437 Commercial Exit Signs											
142	Actual	0	325	0	0	0	314	0	0	0	639
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	325	0	0	0	314	0	0	0	639
12000439 Commercial HVAC Re-commissioning											
142	Actual	0	1,221	0	0	0	825	0	0	0	2,046
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	1,221	0	0	0	825	0	0	0	2,046
12000401 Commercial Motors											
142	Actual	0	29	0	0	0	0	0	612	0	641
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	29	0	0	0	0	0	612	0	641
12000435 Commercial Roof Insulation											
142	Actual	0	0	0	0	0	0	36,288	0	0	36,288
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	0	0	0	0	0	36,288	0	0	36,288
12000395 Commercial Window Film											
142	Actual	0	60	0	12	0	6,461	0	0	0	6,533
143	Projected	0	0	0	0	0	0	0	0	0	0
144	Total	0	60	0	12	0	6,461	0	0	0	6,533
12000347 Common Expenses											
142	Actual	0	286,487	6,503	227,769	0	0	430	30,492	0	551,681
143	Projected	0	<u>248,680</u>	<u>100</u>	<u>194,400</u>	0	0	<u>600</u>	<u>12,500</u>	0	<u>456,280</u>
144	Total	0	535,167	6,603	422,169	0	0	1,030	42,992	0	1,007,961
137	Total All Programs	<u>1,593,887</u>	<u>3,631,369</u>	<u>48,649</u>	<u>5,376,149</u>	<u>972,295</u>	<u>25,688,010</u>	<u>335,980</u>	<u>411,907</u>	<u>(301,382)</u>	<u>37,756,864</u>

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		84,005	109,085	127,551	61,833	46,833	87,818	113,500	113,500	113,500	113,500	113,500	113,500	1,198,126
2. Retirements		17,891	209,735	27,109	66,811	78,805	160,945	42,603	190,316	78,392	100,525	58,954	81,050	1,113,136
3. Depreciation Base		6,404,703	6,304,053	6,404,495	6,399,517	6,367,545	6,294,418	6,365,315	6,288,499	6,323,607	6,336,582	6,391,128	6,423,578	
4. Depreciation Expense		<u>106,194</u>	<u>105,906</u>	<u>105,905</u>	<u>106,700</u>	<u>106,392</u>	<u>105,516</u>	<u>105,498</u>	<u>105,448</u>	<u>105,101</u>	<u>105,502</u>	<u>106,064</u>	<u>106,789</u>	<u>1,271,015</u>
5. Cumulative Investment	6,338,588	6,404,703	6,304,053	6,404,495	6,399,517	6,367,545	6,294,418	6,365,315	6,288,499	6,323,607	6,336,582	6,391,128	6,423,578	6,423,578
6. Less: Accumulated Depreciation	2,813,057	<u>2,901,360</u>	<u>2,797,531</u>	<u>2,876,327</u>	<u>2,916,216</u>	<u>2,943,803</u>	<u>2,888,374</u>	<u>2,951,269</u>	<u>2,866,401</u>	<u>2,893,110</u>	<u>2,898,087</u>	<u>2,945,197</u>	<u>2,970,936</u>	<u>2,970,936</u>
7. Net Investment	<u>3,525,531</u>	<u>3,503,343</u>	<u>3,506,522</u>	<u>3,528,168</u>	<u>3,483,301</u>	<u>3,423,742</u>	<u>3,406,044</u>	<u>3,414,046</u>	<u>3,422,098</u>	<u>3,430,497</u>	<u>3,438,495</u>	<u>3,445,931</u>	<u>3,452,642</u>	<u>3,452,642</u>
8. Average Investment		3,514,437	3,504,933	3,517,345	3,505,735	3,453,522	3,414,893	3,410,045	3,418,072	3,426,298	3,434,496	3,442,213	3,449,287	
9. Return on Average Investment - Equity Component		20,660	20,604	20,677	20,608	20,302	20,074	19,970	20,017	20,065	20,113	20,158	20,199	243,447
10. Return on Average Investment - Debt Component		<u>5,702</u>	<u>5,687</u>	<u>5,707</u>	<u>5,688</u>	<u>5,604</u>	<u>5,541</u>	5,384	5,397	5,410	5,422	5,435	5,446	<u>66,423</u>
Total Depreciation and Return		<u>132,556</u>	<u>132,197</u>	<u>132,289</u>	<u>132,996</u>	<u>132,298</u>	<u>131,131</u>	<u>130,852</u>	<u>130,862</u>	<u>130,576</u>	<u>131,037</u>	<u>131,657</u>	<u>132,434</u>	<u>1,580,885</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 7.0273% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).

Line 10 x 1.8946% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

INDUSTRIAL LOAD MANAGEMENT

	Beginning of Period	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Total
1. Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	
4. Depreciation Expense		<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>919</u>	<u>11,028</u>
5. Cumulative Investment	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126	55,126
6. Less: Accumulated Depreciation	27,590	<u>28,509</u>	<u>29,428</u>	<u>30,347</u>	<u>31,266</u>	<u>32,185</u>	<u>33,104</u>	<u>34,023</u>	<u>34,942</u>	<u>35,861</u>	<u>36,780</u>	<u>37,699</u>	<u>38,618</u>	<u>38,618</u>
7. Net Investment	<u>27,536</u>	<u>26,617</u>	<u>25,698</u>	<u>24,779</u>	<u>23,860</u>	<u>22,941</u>	<u>22,022</u>	<u>21,103</u>	<u>20,184</u>	<u>19,265</u>	<u>18,346</u>	<u>17,427</u>	<u>16,508</u>	<u>16,508</u>
8. Average Investment		27,076	26,158	25,239	24,320	23,401	22,482	21,563	20,644	19,725	18,806	17,887	16,968	
9. Return on Average Investment - Equity Component		159	154	148	143	138	132	126	121	116	110	105	99	1,551
10. Return on Average Investment - Debt Component		<u>44</u>	<u>42</u>	<u>41</u>	<u>39</u>	<u>38</u>	<u>36</u>	34	33	31	30	28	27	<u>423</u>
Total Depreciation and Return		<u>1,122</u>	<u>1,115</u>	<u>1,108</u>	<u>1,101</u>	<u>1,095</u>	<u>1,087</u>	<u>1,079</u>	<u>1,073</u>	<u>1,066</u>	<u>1,059</u>	<u>1,052</u>	<u>1,045</u>	<u>13,002</u>

NOTES:
Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 7.0273% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 38.575% (expansion factor of 1.632200).
Line 10 x 1.8946% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up

Actual for Months January 2016 through June 2016
Projected for Months July 2016 through December 2016

Program Name	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
12000353- Energy Audits (E)	76,420	225,624	198,200	162,407	226,976	190,835	202,612	219,559	212,085	205,179	185,016	198,099	2,303,013
12000381 Residential Ceiling Insulation	31,791	16,708	20,364	24,333	24,583	32,841	27,091	49,005	27,091	22,837	43,559	18,418	338,621
12000391 Residential Duct Repair	13,634	32,701	14,038	15,180	17,511	46,176	20,126	33,189	20,126	33,239	17,579	30,577	294,075
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	223	0	118	118	118	577
12000375 Energy Education, Awareness and Agency Outreach	3,908	6,506	4,853	4,005	6,093	4,174	6,638	8,138	7,503	8,281	8,343	7,189	75,632
12000431 Energy Star for New Homes	49,381	15,423	46,756	46,431	25,036	45,889	45,365	45,165	45,030	45,030	48,430	45,102	503,037
12000349 Residential Heating and Cooling	50,881	37,857	43,350	53,078	50,746	55,416	77,305	77,305	48,159	48,759	48,959	49,480	641,295
12000425 Neighborhood Weatherization	221,304	397,210	289,253	291,777	337,169	291,195	356,356	311,706	355,706	310,736	353,736	308,736	3,824,884
12000433 Energy Planner	348,760	284,269	310,162	253,308	276,368	274,468	282,670	282,630	289,942	290,453	291,023	291,800	3,475,854
12000365 Residential Wall Insulation	106	148	253	174	222	153	176	176	223	176	176	265	2,248
12000367 Residential Window Replacement	39,968	39,925	40,249	57,344	54,420	47,480	50,054	50,054	50,054	50,101	50,054	50,095	579,798
12000421 Residential HVAC Re-Commissioning	216	456	612	468	444	407	0	0	0	0	0	0	2,603
12000373 Residential Window Film	999	1,387	1,681	1,342	964	1,079	0	0	0	0	0	0	7,452
12000351 Prime Time	339,323	322,049	358,362	197,813	156,224	101,852	47,071	36,141	34,737	34,374	35,350	39,258	1,702,555
12000397 Commercial Ceiling Insulation	798	429	7,029	23,484	466	2,067	1,435	1,435	1,435	1,435	1,435	1,435	42,882
12000411 Commercial Chiller	68	117	56	113	9,127	0	25	6,762	5,755	4,337	25	25	26,410
12000371 Cogeneration	3,296	6,065	8,058	6,381	5,526	6,242	3,769	3,769	3,769	3,769	3,769	3,769	58,182
12000389 Conservation Value	87,278	1,096	13,705	732	867	624	1,812	1,812	51,812	51,812	1,812	1,812	215,174
12000443 Cool Roof	34,502	10,975	11,855	2,605	4,251	1,876	8,535	8,535	8,535	17,021	17,021	25,506	151,216
12000429 Commercial Cooling	610	1,067	1,815	2,006	469	56	539	539	589	539	539	539	9,306
12000409 Demand Response	306,693	307,659	307,911	308,904	307,387	307,364	311,340	311,340	311,340	311,340	308,720	308,720	3,708,719
12000377 Commercial Duct Repair	8,039	9,430	1,844	1,310	1,846	926	2,181	2,704	3,226	1,919	1,397	1,397	36,219
12000441 Commercial ECM	12	14,029	5,597	438	136	42	424	424	0	424	424	424	22,374
12000379 Industrial Load Management (GLSM 2&3)	1,381,033	1,363,819	1,236,929	1,282,121	1,185,373	1,400,666	1,220,089	1,220,083	1,220,076	1,220,069	1,220,062	1,220,055	15,170,375
12000385 Lighting Conditioned Space	26,132	53,604	11,575	20,847	17,707	46,459	21,600	21,600	29,400	18,820	13,261	13,261	294,266
12003201 Lighting Non-Conditioned Space	5,467	2,007	171	4,651	1,985	7,153	8,254	8,254	3,985	6,070	3,060	3,060	54,117
12000413 Lighting Occupancy Sensors	18	3,158	920	1,859	877	4,261	3,366	4,984	1,798	1,748	25	1,748	24,762
12000383 CILM (GLSM 1)	1,323	431	418	1,424	1,373	1,362	2,153	2,153	2,153	2,203	1,203	6,203	22,399
12000415 Refrigeration Anti-condensate Control	12	0	0	0	29	0	1,714	0	0	0	0	0	1,755
12000387 Standby Generator	249,148	250,521	248,685	251,130	246,932	246,536	257,665	257,665	257,665	257,665	257,665	257,665	3,038,942
12003202 Thermal Energy Storage	0	0	328	0	215	0	524	1,245	524	42,035	1,245	524	46,640
12000399 Commercial Wall Insulation	12	0	0	0	0	0	2,214	0	0	0	0	0	2,226
12000417 Commercial Water Heating	12	0	0	0	29	0	0	0	0	0	0	1,389	1,430
12000427 Conservation Research and Development	0	0	0	0	0	0	0	0	0	0	0	0	0
12000393 Renewable Energy Program	(11,597)	(10,438)	643	(9,781)	(9,221)	36,018	0	0	0	0	0	0	(4,376)
12000403- Renewable Energy Systems Initiative	5,243	10,216	2,937	0	9,667	31	0	0	0	0	0	0	28,094
12000437 Commercial Exit Signs	0	325	0	0	314	0	0	0	0	0	0	0	639
12000439 Commercial HVAC Re-commissioning	195	732	1,118	0	0	0	0	0	0	0	0	0	2,046
12000401 Commercial Motors	0	0	612	0	29	0	0	0	0	0	0	0	641
12000435 Commercial Roof Insulation	6,048	6,048	6,048	6,048	6,048	6,048	0	0	0	0	0	0	36,288
12000395 Commercial Window Film	6,533	0	0	0	0	0	0	0	0	0	0	0	6,533
12000347 Common Expenses	44,674	59,882	160,877	67,479	61,114	157,655	174,622	51,348	50,340	79,199	50,390	50,381	1,007,961
Total	3,332,241	3,471,433	3,357,265	3,079,412	3,029,302	3,317,350	3,137,725	3,017,943	3,043,058	3,069,688	2,964,396	2,937,050	37,756,864
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conservation Expenses	<u>3,332,241</u>	<u>3,471,433</u>	<u>3,357,265</u>	<u>3,079,412</u>	<u>3,029,302</u>	<u>3,317,350</u>	<u>3,137,725</u>	<u>3,017,943</u>	<u>3,043,058</u>	<u>3,069,688</u>	<u>2,964,396</u>	<u>2,937,050</u>	<u>37,756,864</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of True-up

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

B. CONSERVATION REVENUES	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Residential Conservation Audit Fees (A)	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Conservation Adjustment Revenues * (C-4, page 1 of 1)	<u>2,519,384</u>	<u>2,366,158</u>	<u>2,225,204</u>	<u>2,353,210</u>	<u>2,582,568</u>	<u>3,052,555</u>	<u>3,127,476</u>	<u>3,127,374</u>	<u>3,204,815</u>	<u>2,829,374</u>	<u>2,364,884</u>	<u>2,347,504</u>	<u>32,100,505</u>
3. Total Revenues	2,519,384	2,366,158	2,225,204	2,353,210	2,582,568	3,052,555	3,127,476	3,127,374	3,204,815	2,829,374	2,364,884	2,347,504	32,100,505
4. Prior Period True-up	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,784</u>	<u>520,779</u>	<u>6,249,403</u>
5. Conservation Revenue Applicable to Period	3,040,168	2,886,942	2,745,988	2,873,994	3,103,352	3,573,339	3,648,260	3,648,158	3,725,599	3,350,158	2,885,668	2,868,283	38,349,908
6. Conservation Expenses (C-3, Page 4, Line 14)	<u>3,332,240</u>	<u>3,471,433</u>	<u>3,357,258</u>	<u>3,079,411</u>	<u>3,029,301</u>	<u>3,317,350</u>	<u>3,137,725</u>	<u>3,017,943</u>	<u>3,043,058</u>	<u>3,069,688</u>	<u>2,964,396</u>	<u>2,937,050</u>	<u>37,756,853</u>
7. True-up This Period (Line 5 - Line 6)	(292,072)	(584,491)	(611,270)	(205,417)	74,051	255,989	510,535	630,215	682,541	280,470	(78,728)	(68,767)	593,055
8. Interest Provision This Period (C-3, Page 6, Line 10)	1,205	915	567	213	19	(101)	(212)	(257)	(167)	(193)	(475)	(873)	641
9. True-up & Interest Provision Beginning of Period	4,056,772	3,245,121	2,140,761	1,009,274	283,286	(163,428)	(428,324)	(438,785)	(329,611)	(168,021)	(408,528)	(1,008,515)	4,056,772
10. Prior Period True-up Collected/(Refunded)	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,784)</u>	<u>(520,779)</u>	<u>(6,249,403)</u>
11. End of Period Total - Over/(Under) Recovered	<u>3,245,121</u>	<u>2,140,761</u>	<u>1,009,274</u>	<u>283,286</u>	<u>(163,428)</u>	<u>(428,324)</u>	<u>(438,785)</u>	<u>(329,611)</u>	<u>(168,021)</u>	<u>(408,528)</u>	<u>(1,008,515)</u>	<u>(1,598,934)</u>	<u>(1,598,935)</u>

Previous EOP Change
 * Net of Revenue Taxes

(A) Included in Line 6

Summary of Allocation	Forecast	Ratio	True Up
Demand	25,132,960	0.66	(1,055,297)
Energy	<u>13,061,369</u>	<u>0.34</u>	<u>(543,638)</u>
Total	<u>38,194,329</u>	<u>1.00</u>	<u>(1,598,935)</u>

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Energy Conservation Adjustment
 Calculation of Interest Provision
 Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

C. INTEREST PROVISION	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	Grand Total
1. Beginning True-up Amount (C-3, Page 5, Line 9)	\$4,056,772	\$3,245,121	\$2,140,761	\$1,009,274	\$283,286	(\$163,428)	(\$428,324)	(\$438,785)	(\$329,611)	(\$168,021)	(\$408,528)	(\$1,008,515)	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	<u>3,243,916</u>	<u>2,139,846</u>	<u>1,008,707</u>	<u>283,073</u>	<u>(163,447)</u>	<u>(428,223)</u>	<u>(438,573)</u>	<u>(329,354)</u>	<u>(167,854)</u>	<u>(408,335)</u>	<u>(1,008,040)</u>	<u>(1,598,061)</u>	
3. Total Beginning & Ending True-up	<u>\$7,300,688</u>	<u>\$5,384,967</u>	<u>\$3,149,468</u>	<u>\$1,292,347</u>	<u>\$119,839</u>	<u>(\$591,651)</u>	<u>(\$866,897)</u>	<u>(\$768,139)</u>	<u>(\$497,465)</u>	<u>(\$576,356)</u>	<u>(\$1,416,568)</u>	<u>(\$2,606,576)</u>	
4. Average True-up Amount (50% of Line 3)	<u>\$3,650,344</u>	<u>\$2,692,484</u>	<u>\$1,574,734</u>	<u>\$646,174</u>	<u>\$59,920</u>	<u>(\$295,826)</u>	<u>(\$433,449)</u>	<u>(\$384,070)</u>	<u>(\$248,733)</u>	<u>(\$288,178)</u>	<u>(\$708,284)</u>	<u>(\$1,303,288)</u>	
5. Interest Rate - First Day of Month	<u>0.400%</u>	0.400%	0.420%	0.440%	0.340%	0.430%	0.380%	0.800%	0.800%	0.800%	0.800%	0.800%	
6. Interest Rate - First Day of Next Month	<u>0.400%</u>	<u>0.420%</u>	<u>0.440%</u>	<u>0.340%</u>	<u>0.430%</u>	<u>0.380%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	
7. Total (Line 5 + Line 6)	<u>0.800%</u>	<u>0.820%</u>	<u>0.860%</u>	<u>0.780%</u>	<u>0.770%</u>	<u>0.810%</u>	<u>1.180%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	<u>1.600%</u>	
8. Average Interest Rate (50% of Line 7)	<u>0.400%</u>	<u>0.410%</u>	<u>0.430%</u>	<u>0.390%</u>	<u>0.385%</u>	<u>0.405%</u>	<u>0.590%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	<u>0.800%</u>	
9. Monthly Average Interest Rate (Line 8/12)	<u>0.00033</u>	<u>0.00034</u>	<u>0.00036</u>	<u>0.00033</u>	<u>0.00032</u>	<u>0.00034</u>	<u>0.00049</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	<u>0.00067</u>	
10. Interest Provision (Line 4 x Line 9)	<u>\$1,205</u>	<u>\$915</u>	<u>\$567</u>	<u>\$213</u>	<u>\$19</u>	<u>(\$101)</u>	<u>(\$212)</u>	<u>(\$257)</u>	<u>(\$167)</u>	<u>(\$193)</u>	<u>(\$475)</u>	<u>(\$873)</u>	<u>\$641</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation
 Calculation of Conservation Revenues

Actual for Months January 2016 through June 2016
 Projected for Months July 2016 through December 2016

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,507,012	-	2,519,384
February	1,359,534	-	2,366,158
March	1,298,063	-	2,225,204
April	1,411,115	-	2,353,210
May	1,520,108	-	2,582,568
June	1,800,205	-	3,052,555
July	1,851,022	-	3,127,476
August	1,853,811	-	3,127,374
September	1,904,945	-	3,204,815
October	1,679,910	-	2,829,374
November	1,408,899	-	2,364,884
December	1,391,834	-	2,347,504
Total	<u>18,986,458</u>	<u>0</u>	<u>32,100,506</u>

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ENERGY AUDITS

Program Description: A “how to” information and analysis guide for customers. There are four types of residential energy audits available to Tampa Electric customers: Walk-Through Free Energy Check, Customer Assisted, Computer Assisted Paid and Building Energy Ratings System (“BERS”).

Program Projections: January 1, 2016 to December 31, 2016

During this period the following energy audit participation is projected:

Residential Walk-Through:	7,443
Residential Customer Assisted:	678
Residential Computer Assisted:	6
BERS:	1

January 1, 2017 to December 31, 2017

During this period the following energy audit participation is projected:

Residential Walk-Through:	7,800
Residential Customer Assisted:	500
Residential Computer Assisted:	10
BERS:	1

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,084,247.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$2,095,882.

Program Progress Summary:

Through December 31, 2015 the following Residential Energy Audit totals are:

Residential Walk-Through:	307,727
Residential Customer Assisted ⁽¹⁾ :	121,538
Residential Computer Assisted:	3,895
<u>BERS:</u>	<u>80</u>
Total:	433,240

Note 1: Includes Mail-in and On-line audits. Residential Mail-in audit program was retired on December 31, 2004.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL CEILING INSULATION

Program Description: A rebate program that encourages existing residential customers to install additional ceiling insulation in existing homes.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 1,352 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,255 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$338,621.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$320,800.

Program Progress Summary:

Through December 31, 2015 the following Residential Ceiling Insulation totals are:

Residential Ceiling Insulation: 120,530

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL DUCT REPAIR

Program Description: A rebate program that encourages residential customers to repair leaky duct work of central air conditioning systems in existing homes.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 1,640 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,530 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$294,075.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$324,755.

Program Progress Summary:

Through December 31, 2015 the following Residential Duct Repair totals are:
Residential Duct Repair: 97,929

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

Program Description: A rebate program that encourages residential customers to replace their existing HVAC air handler motor with an ECM.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are five customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$577.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$220.

Program Progress Summary:

Through December 31, 2015 the following Residential Electronically Commutated Motors (ECM) totals are:

Residential ECM: 5

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY EDUCATION, AWARENESS AND AGENCY OUTREACH

Program Description: A program that provides opportunities for engaging and educating groups of customers and students on energy-efficiency and conservation in an organized setting. Participants are provided with an energy savings kit which includes energy saving devices and supporting information appropriate for the audience.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 764 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 500 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$75,632.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$100,946.

Program Progress Summary:

Through December 31, 2015, Tampa Electric has partnered with 107 local schools to present Energy Education to 34,126 students. In addition, the company gave 119 presentations to civic organizations that generated 637 customer assisted audits and distributed 4,593 energy savings kits to participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW HOMES

Program Description: A rebate program that encourages residential customers to construct residential dwellings that qualify for the ENERGY STAR Award by achieving efficiency levels greater than current Florida building code baseline practices.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 545 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,000 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$503,037.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$892,042.

Program Progress Summary:

On November 3, 2015 ENERGY STAR for New Homes replaced the prior Residential New Construction Program. Through December 31, 2015 the following ENERGY STAR for New Homes totals are:

ENERGY STAR for New Homes: 11,768

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL HEATING AND COOLING

Program Description: A rebate program that encourages residential customers to install high-efficiency residential heating and cooling equipment in existing homes.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 4,406 units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 4,200 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$641,295.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$667,653.

Program Progress Summary:

Through December 31, 2015 the following Residential Heating and Cooling totals are:

Residential Heating and Cooling: 194,361

PROGRAM DESCRIPTION AND PROGRESS

Program Title: NEIGHBORHOOD WEATHERIZATION

Program Description: A program that provides for the installation of energy efficient measures for qualified low-income customers.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 6,342 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 6,250 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,824,884.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$4,057,004.

Program Progress Summary:

Through December 31, 2015 the following Neighborhood Weatherization totals are:

Neighborhood Weatherization: 23,887

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL PRICE RESPONSIVE LOAD MANAGEMENT (ENERGY PLANNER)

Program Description: A program that reduces weather-sensitive loads through an innovative price responsive rate used to encourage residential customers to make behavioral or equipment usage changes by pre-programming HVAC, water heating and pool pumps.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 5,296 projected customers for this program on a cumulative basis.

January 1, 2017 to December 31, 2017

During this period, there are 6,296 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,475,854.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,400,979.

Program Progress Summary:

Through December 31, 2015 the following Energy Planner totals are:
Energy Planner Participating Customers: 3,913

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WALL INSULATION

Program Description: A rebate program that encourages existing residential customers to install additional wall insulation in existing homes.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are eight customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are seven customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,248.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$1,963.

Program Progress Summary:

Through December 31, 2015 the following Residential Wall Insulation totals are:
Residential Wall Insulation: 185

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RESIDENTIAL WINDOW REPLACEMENT

Program Description: A rebate program that encourages existing residential customers to install window upgrades in existing homes.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 1,856 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 1,800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$579,798.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$605,562.

Program Progress Summary:

Through December 31, 2015 the following Residential Window Replacement totals are:

Residential Window Replacement: 10,307

PROGRAM DESCRIPTION AND PROGRESS

Program Title: PRIME TIME

Program Description: An incentive program that encourages residential customers to allow the control of weather-sensitive heating, cooling and water heating systems to reduce the associated weather sensitive peak.

Program Projections: January 1, 2016 to December 31, 2016

With the approval of Consummating Order PSC-15004340CO-EG on October 12, 2015. Tampa Electric proceeded with the phased closure of the Prime Time Program at that time. In 2016, Tampa Electric removed the remaining 13,579 customers from the program between January 1 and May 11, 2016.

January 1, 2017 to December 31, 2017

This program was retired.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,702,555.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$138,596.

Program Progress

Summary:

Through December 31, 2015 the following Prime Time totals are:
Prime Time Participating Customers: 13,579

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL/INDUSTRIAL ENERGY AUDITS

Program Description: A “how to” information and analysis guide for customers. There are two types of Commercial/Industrial energy audits available to Tampa Electric customers: Commercial/Industrial (Free) and Comprehensive Commercial/Industrial (Paid).

Program Projections: January 1, 2016 to December 31, 2016

During this period the following energy audit participation is projected:

Commercial/Industrial (Free):	744
Comprehensive Commercial/Industrial (Paid):	6

January 1, 2017 to December 31, 2017

During this period the following energy audit participation is projected:

Commercial/Industrial (Free):	870
Comprehensive Commercial/Industrial (Paid):	8

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$218,766.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$327,007.

Program Progress Summary:

Through December 31, 2015 the following Commercial/Industrial Energy Audit totals are:

Commercial/Industrial (Free):	23,434
Comprehensive Commercial/Industrial (Paid):	233
<u>Commercial Mail-in</u>	<u>1,477</u>
Commercial/Industrial Total	25,144

Commercial Mail-in audit program was retired on December 31, 2004.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CEILING INSULATION

Program Description: A rebate program that encourages commercial/industrial customers to install additional ceiling insulation in existing commercial structures.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 10 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 15 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$42,882.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$22,860.

Program Progress Summary:

Through December 31, 2015 the following Commercial Ceiling Insulation totals are:

Commercial Ceiling Insulation: 292

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER

Program Description: A rebate program that encourages commercial/industrial customers to install high efficiency chiller equipment.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are six units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 11 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$26,410.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$41,855.

Program Progress Summary:

Through December 31, 2015 the following Commercial Chiller totals are:
Commercial Chiller: 56

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COGENERATION

Program Description: An incentive program whereby large industrial customers with waste heat or fuel resources may install electric generating equipment, meet their own electrical requirements and/or sell their surplus to the company.

Program Projections: January 1, 2016 to December 31, 2016

The company continues communication and interaction with all existing participants and potential developers regarding current and future cogeneration customers. There are no new cogeneration facility additions projected.

January 1, 2017 to December 31, 2017

The company continues communication and interaction with all existing participants and potential developers regarding current and future cogeneration customers. Tampa Electric will continue working with customers to evaluate the economics of additional capacity in future years.

**Program Fiscal
Expenditures:**

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$58,182.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$45,138.

**Program Progress
Summary:**

The projected total maximum generation by electrically interconnected cogeneration during 2016 will be approximately 450 MW of nameplate capacity. This includes generation that is connected, but wheeled outside of Tampa Electric's service area.

The company continues interaction with existing participants and potential developers regarding current and future cogeneration activities. Currently there are ten separate locations with cogeneration on-line in Tampa Electric's service area.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

Program Description: A rebate program that encourages commercial/industrial customers to invest in energy efficiency and conservation measures that are not sanctioned by other commercial programs.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are three customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are three customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$215,174.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$198,860.

Program Progress Summary:

Through December 31, 2015 the following Conservation Value totals are:
Conservation Value: 51

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOL ROOF

Program Description: A rebate program that encourages commercial/industrial customers to install a cool roof system above conditioned spaces.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 18 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 25 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$151,216.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$234,076.

Program Progress Summary:

Through December 31, 2015 the following Commercial Cool Roof totals are:
Commercial Cool Roof: 194

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

Program Description: A rebate program that encourages commercial/industrial customers to install high efficiency direct expansion commercial air conditioning cooling equipment.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 12 units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 16 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$9,306.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$5,680.

Program Progress Summary:

Through December 31, 2015 the following Commercial Cooling totals are:
Commercial Cooling: 2,289

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DEMAND RESPONSE

Program Description: A turn-key incentive program for commercial/industrial customers to reduce their demand for electricity in response to market signals.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 40 MW of demand response available for control.

January 1, 2017 to December 31, 2017

During this period, there are 40 MW of demand response projected to be available for control.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,708,719.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,728,800.

Program Progress Summary:

Through December 31, 2015, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

Program Description: A rebate program that encourages existing commercial/industrial customers to repair leaky ductwork of central air-conditioning systems in existing commercial and industrial facilities.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 132 repairs projected to be made.

January 1, 2017 to December 31, 2017

During this period, there are 130 repairs projected to be made.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$36,220.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$31,724.

Program Progress Summary:

Through December 31, 2015 the following Commercial Duct Repair totals are:
Commercial Duct Repair: 10,934

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

Program Description: A rebate program that encourages commercial/industrial customers to replace their existing air handler motors or refrigeration fan motors with an ECM.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 20 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 20 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$22,374.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$10,288.

Program Progress Summary:

Through December 31, 2015 the following Commercial Electronically Commutated Motors (ECM) totals are:

Commercial ECM: 85

PROGRAM DESCRIPTION AND PROGRESS

Program Title: INDUSTRIAL LOAD MANAGEMENT (GSLM 2&3)

Program Description: An incentive program whereby large industrial customers allow for the interruption of their facility or portions of their facility's electrical load.

Program Projections: January 1, 2016 to December 31, 2016

During this period, zero new customers are projected to participate.

January 1, 2017 to December 31, 2017

During this period, zero new customers are projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$15,170,375.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$14,640,129.

Program Progress Summary:

Through December 31, 2015, there are 40 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING CONDITIONED SPACE

Program Description: A rebate program that encourages commercial/industrial customers to invest in more efficient lighting technologies in existing conditioned areas of commercial/industrial facilities.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 114 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 75 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$294,265.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$216,967.

Program Progress Summary:

Through December 31, 2015 the following Lighting Conditioned Space totals are:
Lighting Conditioned Space: 1,785

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING NON-CONDITIONED SPACE

Program Description: A rebate program that encourages commercial/industrial customers to invest in more efficient lighting technologies in existing non-conditioned areas of commercial/industrial facilities.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 50 customers projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are 50 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$54,117.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$79,139.

Program Progress Summary:

Through December 31, 2015 the following Lighting Non-Conditioned Space totals are:

Lighting Non-Conditioned Space: 153

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING OCCUPANCY SENSORS

Program Description: A rebate program that encourages commercial/industrial customers to install occupancy sensors to control commercial/industrial lighting systems.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 19 units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are 15 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$24,762.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$13,665.

Program Progress Summary:

Through December 31, 2015 the following Lighting Occupancy Sensors totals are:
Lighting Occupancy Sensors: 200

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: An incentive program that encourages commercial/industrial customers to allow for the control of weather-sensitive heating, cooling and water heating systems to reduce the associated weather sensitive peak.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are zero new installations projected.

January 1, 2017 to December 31, 2017

During this period, there are zero new installations projected.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$22,399.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$67,687.

Program Progress

Summary:

In 2017 Tampa Electric will explore a new technology/communication platform that will support the Commercial Load Management program. Through December 31, 2015 the following Commercial Load Management totals are:

Commercial Load Management Participating Customers: 6

PROGRAM DESCRIPTION AND PROGRESS

Program Title: REFRIGERATION ANTI-CONDENSATE CONTROL

Program Description: A rebate program that encourages commercial/industrial customers to install anti-condensate equipment sensors and control within refrigerated door systems.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there is one customer projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are two customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,755.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,478.

Program Progress Summary:

Through December 31, 2015 the following Refrigeration Anti-Condensate totals are:

Refrigeration Anti-Condensate: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: STANDBY GENERATOR

Program Description: An incentive program designed to utilize the emergency generation capacity of commercial/industrial facilities in order to reduce weather sensitive peak demand.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are two new installations projected.

January 1, 2017 to December 31, 2017

During this period, there is one new installation projected.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$3,038,942.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$3,139,830.

Program Progress Summary:

Through December 31, 2015 the following Standby Generator totals are:
Standby Generator Participating Customers: 96

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

Program Description: A rebate program that encourages commercial/industrial customers to install an off-peak air conditioning system.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there is one customer projected to participate.

January 1, 2017 to December 31, 2017

During this period, there are three customers projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$46,640.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$216,595.

Program Progress Summary:

Through December 31, 2015 the following Thermal Energy Storage totals are:
Thermal Energy Storage: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WALL INSULATION

Program Description: A rebate program that encourages commercial/industrial customers to install wall insulation in existing commercial/industrial structures.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there is one customer projected to participate.

January 1, 2017 to December 31, 2017

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,226.

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$2,214.

Program Progress Summary:

Through December 31, 2015 the following Commercial Wall Insulation totals are:
Commercial Wall Insulation: 2

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WATER HEATING

Program Description: A rebate program that encourages commercial/industrial customers to install high efficiency water heating systems.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there is one units projected to be installed and approved.

January 1, 2017 to December 31, 2017

During this period, there are three units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,430.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$6,717.

Program Progress Summary:

Through December 31, 2015 the following Commercial Water Heating totals are:
Commercial Water Heating: 0

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DSM RESEARCH AND DEVELOPMENT (R&D)

Program Description: A program that allows for the exploration of DSM measures that have insufficient data on the cost-effectiveness of the measure and the potential impact to Tampa Electric and its ratepayers.

Program Projections: See Program Progress Summary.

Program Fiscal Expenditures: January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$0.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$7,294.

Program Progress Summary: Currently, Tampa Electric has no active R&D programs. The company continues to review possible programs to research.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: RENEWABLE ENERGY PROGRAM

Program Description: This program is designed to promote and deliver renewable energy options to the company's customers. This specific effort provides funding for program administration, generation, evaluation of potential new renewable sources and market research.

Program Projections: January 1, 2016 to December 31, 2016

During this period, there are 1,825 projected customers with 2,725 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 400 blocks estimated to be purchased on a one-time basis.

January 1, 2017 to December 31, 2017

During this period, there are 1,800 projected customers with 2,700 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 400 blocks estimated to be purchased on a one-time basis.

Program Fiscal Expenditures:

January 1, 2016 to December 31, 2016

During this period, the company anticipates excess revenues of approximately \$200,000 to be used for new renewable generation.

January 1, 2017 to December 31, 2017

During this period, the company anticipates excess revenues of approximately \$192,000 to be used for new renewable generation.

Program Progress Summary:

Through December 31, 2015, there were 1,860 customers with 2,753 blocks subscribed. In addition, there were 3,738 blocks of renewable energy purchased on a one-time basis.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMON EXPENSES

Program Description: These are expenses common to all programs.

Program Projections: N/A

Program Fiscal Expenditures: January 1, 2016 to December 31, 2016

Expenditures are estimated to be \$1,007,961.

January 1, 2017 to December 31, 2017

Expenditures are estimated to be \$668,036.

Program Progress Summary: N/A

2017 GSLM Incentive Calculation

Annual KW Reduction 31,676
Annual Incentive \$316,008
Dollar Per KW \$9.976362

Month	KW Reduction	Incentive
Jan	2,135	21,301
Feb	2,135	21,301
Mar	2,135	21,301
Apr	3,000	29,929
May	3,000	29,929
Jun	3,000	29,929
Jul	3,000	29,929
Aug	3,000	29,929
Sep	3,000	29,929
Oct	3,000	29,929
Nov	2,135	21,301
Dec	2,135	21,301
Total		316,008

2017 \$/kW Filing⁽¹⁾ \$9.98

⁽¹⁾Rounded to the nearest cent.

INPUT DATA - PART 1
PROGRAM TITLE: Contracted Credit Value Calculation

PSC FORM CE 1.1

PAGE 1 OF 1

RUN DATE: August 1, 2016

PROGRAM DEMAND SAVINGS & LINE LOSSES

I. (1) CUSTOMER KW REDUCTION AT THE METER	3,000.000 KW /CUST
I. (2) GENERATOR KW REDUCTION PER CUSTOMER	3,017.806 KW GEN/CUST
I. (3) KW LINE LOSS PERCENTAGE	7.00 %
I. (4) GENERATION KWH REDUCTION PER CUSTOMER	668,263 KWH/CUST/YR
I. (5) KWH LINE LOSS PERCENTAGE	5.20 %
I. (6) GROUP LINE LOSS MULTIPLIER	1
I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER	0 KWH/CUST/YR
I. (8)* CUSTOMER KWH REDUCTION AT METER	633,514 KWH/CUST/YR

ECONOMIC LIFE & K FACTORS

II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM	25 YEARS
II. (2) GENERATOR ECONOMIC LIFE	25 YEARS
II. (3) T & D ECONOMIC LIFE	25 YEARS
II. (4) K FACTOR FOR GENERATION	1.3834
II. (5) K FACTOR FOR T & D	1.3834
II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1)	0

UTILITY & CUSTOMER COSTS

III. (1) UTILITY NONRECURRING COST PER CUSTOMER	122,946.00 \$/CUST
III. (2) UTILITY RECURRING COST PER CUSTOMER	4,104.00 \$/CUST/YR
III. (3) UTILITY COST ESCALATION RATE	2.40 %
III. (4) CUSTOMER EQUIPMENT COST	42,000.00 \$/CUST
III. (5) CUSTOMER EQUIPMENT ESCALATION RATE	2.60 %
III. (6) CUSTOMER O & M COST	0.00 \$/CUST/YR
III. (7) CUSTOMER O & M ESCALATION RATE	2.60 %
III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION	0.00 \$/CUST
III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE	0.00 %
III. (10)* INCREASED SUPPLY COSTS	0.00 \$/CUST/YR
III. (11)* SUPPLY COSTS ESCALATION RATE	0.00 %
III. (12)* UTILITY DISCOUNT RATE	0.06976
III. (13)* UTILITY AFUDC RATE	0.0646
III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE	0.00 \$/CUST
III. (15)* UTILITY RECURRING REBATE/INCENTIVE	316,008.14 \$/CUST/YR
III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE	0.00 %

AVOIDED GENERATOR, TRANS. & DIST COSTS

IV. (1) BASE YEAR	2016
IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT	2020
IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D	2017
IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST	667.64 \$/KW
IV. (5) BASE YEAR AVOIDED TRANSMISSION COST	38.32 \$/KW
IV. (6) BASE YEAR DISTRIBUTION COST	69.94 \$/KW
IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE	2.40 %
IV. (8) GENERATOR FIXED O & M COST	11.97 \$/KW/YR
IV. (9) GENERATOR FIXED O&M ESCALATION RATE	2.40 %
IV. (10) TRANSMISSION FIXED O & M COST	3.00 \$/KW/YR
IV. (11) DISTRIBUTION FIXED O & M COST	11.27 \$/KW/YR
IV. (12) T&D FIXED O&M ESCALATION RATE	2.40 %
IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS	0.193 CENTS/KWH
IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE	2.40 %
IV. (15) GENERATOR CAPACITY FACTOR	2.60 %
IV. (16) AVOIDED GENERATING UNIT FUEL COST	4.08 CENTS/KWH
IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE	4.47 %
IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW	0.00 \$/KW/YR
IV. (19)* CAPACITY COST ESCALATION RATE	0.00 %

NON-FUEL ENERGY AND DEMAND CHARGES

V. (1) NON-FUEL COST IN CUSTOMER BILL	2.012 CENTS/KWH
V. (2) NON-FUEL ESCALATION RATE	1.00 %
V. (3) CUSTOMER DEMAND CHARGE PER KW	10.430 \$/KW/MO
V. (4) DEMAND CHARGE ESCALATION RATE	1.00 %
V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL	0.00

CALCULATED BENEFITS AND COSTS

(1)* TRC TEST - BENEFIT/COST RATIO	20.92
(2)* PARTICIPANT NET BENEFITS (NPV)	15,157
(3)* RIM TEST - BENEFIT/COST RATIO	1.20

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DOCKET NO. 160002-EG
 ECCR 2017 PROJECTION
 CALCULATION OF GSLM CCV
 EXHIBIT MRR-2, PAGE 2 OF 5

TOTAL RESOURCE COST TESTS
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.3
Page 1 of 1
August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	PARTICIPANT PROGRAM COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	PROGRAM FUEL SAVINGS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2016	0	125	42	0	167	0	0	9	0	9	(158)	(158)
2017	0	132	43	0	175	0	176	25	0	201	25	(134)
2018	0	140	44	0	184	0	180	45	0	225	41	(99)
2019	0	147	45	0	193	0	184	67	0	251	58	(51)
2020	0	18	0	0	18	1,720	400	89	0	2,209	2,191	1,622
2021	0	18	0	0	18	1,676	397	84	0	2,157	2,138	3,148
2022	0	19	0	0	19	1,623	393	90	0	2,106	2,087	4,541
2023	0	19	0	0	19	1,572	390	102	0	2,064	2,044	5,816
2024	0	20	0	0	20	1,528	388	116	0	2,031	2,011	6,988
2025	0	20	0	0	20	1,487	386	111	0	1,984	1,964	8,059
2026	0	21	0	0	21	1,449	384	113	0	1,945	1,925	9,039
2027	0	21	0	0	21	1,408	383	120	0	1,911	1,889	9,939
2028	0	22	0	0	22	1,368	382	145	0	1,895	1,873	10,773
2029	0	22	0	0	22	1,326	381	137	0	1,843	1,821	11,531
2030	0	23	0	0	23	1,290	380	142	0	1,811	1,788	12,227
2031	0	23	0	0	23	1,251	379	164	0	1,793	1,770	12,870
2032	0	24	0	0	24	1,212	378	150	0	1,740	1,716	13,454
2033	0	25	0	0	25	1,174	378	175	0	1,727	1,702	13,995
2034	0	25	0	0	25	1,135	377	186	0	1,698	1,673	14,492
2035	0	26	0	0	26	1,106	378	192	0	1,676	1,650	14,950
2036	0	26	0	0	26	1,081	380	181	0	1,642	1,615	15,369
2037	0	27	0	0	27	1,068	384	191	0	1,643	1,616	15,761
2038	0	28	0	0	28	1,053	388	187	0	1,628	1,600	16,124
2039	0	28	0	0	28	1,038	391	202	0	1,631	1,602	16,464
2040	0	29	0	0	29	1,021	395	251	0	1,667	1,638	16,788
NOMINAL	0	1,030	175	0	1,204	27,583	8,630	3,271	0	39,485	38,281	
NPV:	0	685	158	0	843	12,430	3,901	1,300	0	17,631	16,788	
Discount Rate		0.06976	Benefit/Cost Ratio - [col (11)/col (6)]:				20.92					

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DOCKET NO. 160002-EG
ECCR 2017 PROJECTION
CALCULATION OF GSLM CCV
EXHIBIT MRR-2, PAGE 3 OF 5

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.4
Page 1 of 1
August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	SAVINGS IN PARTICIPANTS BILL \$(000)	TAX CREDITS \$(000)	UTILITY REBATES \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	CUSTOMER EQUIPMENT COSTS \$(000)	CUSTOMER O & M COSTS \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	NET BENEFITS \$(000)	CUMULATIVE DISCOUNTED NET BENEFITS \$(000)
2016	18	0	158	0	176	42	0	0	42	134	134
2017	52	0	474	0	526	43	0	0	43	483	585
2018	90	0	790	0	880	44	0	0	44	835	1,315
2019	129	0	1,106	0	1,235	45	0	0	45	1,190	2,287
2020	155	0	1,264	0	1,419	0	0	0	0	1,419	3,371
2021	156	0	1,264	0	1,420	0	0	0	0	1,420	4,384
2022	159	0	1,264	0	1,423	0	0	0	0	1,423	5,333
2023	164	0	1,264	0	1,428	0	0	0	0	1,428	6,224
2024	166	0	1,264	0	1,430	0	0	0	0	1,430	7,058
2025	168	0	1,264	0	1,432	0	0	0	0	1,432	7,838
2026	171	0	1,264	0	1,435	0	0	0	0	1,435	8,570
2027	177	0	1,264	0	1,441	0	0	0	0	1,441	9,256
2028	182	0	1,264	0	1,446	0	0	0	0	1,446	9,900
2029	190	0	1,264	0	1,454	0	0	0	0	1,454	10,505
2030	193	0	1,264	0	1,457	0	0	0	0	1,457	11,072
2031	199	0	1,264	0	1,463	0	0	0	0	1,463	11,604
2032	205	0	1,264	0	1,469	0	0	0	0	1,469	12,103
2033	211	0	1,264	0	1,475	0	0	0	0	1,475	12,572
2034	219	0	1,264	0	1,483	0	0	0	0	1,483	13,013
2035	224	0	1,264	0	1,488	0	0	0	0	1,488	13,426
2036	237	0	1,264	0	1,501	0	0	0	0	1,501	13,815
2037	244	0	1,264	0	1,508	0	0	0	0	1,508	14,181
2038	256	0	1,264	0	1,520	0	0	0	0	1,520	14,526
2039	267	0	1,264	0	1,531	0	0	0	0	1,531	14,851
2040	281	0	1,264	0	1,545	0	0	0	0	1,545	15,157
NOMINAL	4,512	0	29,073	0	33,584	175	0	0	175	33,410	
NPV:	1,910	0	13,404	0	15,315	158	0	0	158	15,157	
In service year of gen unit:			2020		96.947533						

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DOCKET NO. 160002-EG
ECCR 2017 PROJECTION
CALCULATION OF GSLM CCV
EXHIBIT MRR-2, PAGE 4 OF 5

RATE IMPACT TEST
PROGRAM: Contracted Credit Value Calculation

PSC FORM CE 2.5
Page 1 of 1
August 1, 2016

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
YEAR	INCREASED SUPPLY COSTS \$(000)	UTILITY PROGRAM COSTS \$(000)	INCENTIVES \$(000)	REVENUE LOSSES \$(000)	OTHER COSTS \$(000)	TOTAL COSTS \$(000)	AVOIDED GEN UNIT UNIT & FUEL BENEFITS \$(000)	AVOIDED T & D BENEFITS \$(000)	REVENUE GAINS \$(000)	OTHER BENEFITS \$(000)	TOTAL BENEFITS \$(000)	NET BENEFITS TO ALL CUSTOMERS \$(000)	CUMULATIVE DISCOUNTED NET BENEFIT \$(000)
2016	0	125	158	6	0	289	9	0	0	0	9	(281)	(281)
2017	0	132	474	19	0	626	25	176	0	0	201	(425)	(678)
2018	0	140	790	33	0	962	45	180	0	0	225	(737)	(1322)
2019	0	147	1,106	46	0	1,299	67	184	0	0	251	(1,048)	(2178)
2020	0	18	1,264	53	0	1,335	1,809	400	0	0	2,209	873	(1511)
2021	0	18	1,264	54	0	1,336	1,760	397	0	0	2,157	821	(925)
2022	0	19	1,264	54	0	1,337	1,713	393	0	0	2,106	769	(412)
2023	0	19	1,264	55	0	1,338	1,673	390	0	0	2,064	726	40
2024	0	20	1,264	55	0	1,339	1,643	388	0	0	2,031	692	444
2025	0	20	1,264	56	0	1,340	1,599	386	0	0	1,984	644	795
2026	0	21	1,264	56	0	1,341	1,561	384	0	0	1,945	604	1103
2027	0	21	1,264	57	0	1,342	1,528	383	0	0	1,911	568	1373
2028	0	22	1,264	57	0	1,343	1,513	382	0	0	1,895	551	1619
2029	0	22	1,264	58	0	1,344	1,463	381	0	0	1,843	499	1826
2030	0	23	1,264	59	0	1,346	1,432	380	0	0	1,811	466	2008
2031	0	23	1,264	59	0	1,347	1,414	379	0	0	1,793	447	2170
2032	0	24	1,264	60	0	1,348	1,362	378	0	0	1,740	393	2303
2033	0	25	1,264	60	0	1,349	1,349	378	0	0	1,727	378	2423
2034	0	25	1,264	61	0	1,350	1,321	377	0	0	1,698	348	2527
2035	0	26	1,264	62	0	1,351	1,298	378	0	0	1,676	324	2617
2036	0	26	1,264	62	0	1,353	1,261	380	0	0	1,642	289	2692
2037	0	27	1,264	63	0	1,354	1,259	384	0	0	1,643	289	2762
2038	0	28	1,264	63	0	1,355	1,240	388	0	0	1,628	272	2824
2039	0	28	1,264	64	0	1,356	1,239	391	0	0	1,631	274	2882
2040	0	29	1,264	65	0	1,358	1,272	395	0	0	1,667	309	2943
NOMINAL	0	1,030	29,073	1,337	0	31,440	30,855	8,630	0	0	39,485	8,045	
NPV:	0	685	13,404	599	0	14,688	13,730	3,901	0	0	17,631	2,943	
Discount rate:			0.06976			Benefit/Cost Ratio - [col (12)/col (7)]:							1.20

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DOCKET NO. 160002-EG
ECCR 2017 PROJECTION
CALCULATION OF GSLM CCV
EXHIBIT MRR-2, PAGE 5 OF 5

2017 Residential Service Variable Pricing (RSVP-1) Rates (Cents per kWh)

Rate Tiers	Base Rate	Fuel	Capacity	Environmental	Conservation	Total Clauses	Base Rate Plus Clauses
P4	5.549	2.956	0.088	0.389	28.645	32.078	37.627
P3	5.549	2.956	0.088	0.389	7.054	10.487	16.036
P2	5.549	2.956	0.088	0.389	-0.719	2.714	8.263
P1	5.549	2.956	0.088	0.389	-2.501	0.932	6.481

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**FPL's Responses to Staff's Third
Interrogatories, Nos. 15-16**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 160002-EG EXHIBIT: 17
PARTY: STAFF
DESCRIPTION: Anita Sharma/
Rena B. Deaton

Q.

On October 6, 2016, FPL, the Office of Public Counsel, the South Florida Hospital and Healthcare Association and the Florida Retail Federation jointly moved for approval of a proposed stipulation and settlement of FPL's rate case in Docket No. 160021-EI and consolidated dockets (the "Proposed Settlement Agreement"). Referring to Paragraph 4(e) of the Proposed Settlement Agreement, please state the impact on the Company's energy conservation cost recovery clause 2017 estimates in Docket No. 160002-EI as a result of maintaining the CILC/CDR credits at their current level. Please provide the dollar impact by program (i.e. CILC and CDR), the overall ECCR dollar impact, and any updated schedules to the Company's August 19, 2016 filing in Docket No. 160002-EI.

A.

The total dollar impact on the 2017 energy conservation cost recovery clause cost projections is \$22,968,764.

<u>2017</u>	<u>\$ Impact</u>
CDR Credits	\$7,421,475
<u>CILC Credits</u>	<u>\$15,547,289</u>
Total	\$22,968,764

Updated Schedule C-1 pages 1-3, Schedule C-2 pages 1-2 and Schedule C-5 page 4 are provided as Attachment I to this response.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION
12CP 1/13TH COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

	Total Costs
1. Projected Costs (Schedule C-2, pg 1, line 19)	167,702,279
2. True-up Over/(Under) Recoveries (Schedule C-3, pg 10, line 11)	18,213,554
3. Subtotal (line (1) minus (line 2))	149,488,725
4. Less Load Management Incentives Not Subject To Revenue Taxes ^(a)	103,316,805
5. Project Costs Subject To Revenue Taxes (line 3 minus line 4)	46,171,920
6. Revenue Tax Multiplier	1.00072
7. Subtotal (line 5 * line 6)	46,205,164
8. Total Recoverable Costs (line 7+ line 4)	149,521,967
9. Total Cost	149,521,967
10. Energy Related Costs	37,365,541
11. Demand-Related Costs (total)	112,156,426
12. Demand costs allocated on 12 CP (Line 11/13 * 12)	103,529,009
13. Demand Costs allocated on 1/13 th (Line 11/13)	8,627,417

^(a) (Schedule C-2, pg 2, Rebates Column, Program Nos. 6,11,12,13)

Costs are split in proportion to the current period split of demand-related (75.01%) and energy-related (24.99%) costs. The allocation of ECCR costs between demand and energy is shown on schedule C-2, Page 1, and is consistent with the methodology set forth in Order No. PSC-93-1845-FOF-EG.

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CALCULATION OF ENERGY DEMAND ALLOCATION % BY RATE CLASS
12CP 1/13TH COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
RATE CLASS	AVG 12CP Load Factor at Meter (%) ^(a)	Projected Sales at Meter (kwh) ^(b)	Projected AVG 12CP at Meter (kW) ^(c)	Demand Loss Expansion Factor ^(d)	Energy Loss Expansion Factor ^(e)	Projected Sales at Generation (kwh) ^(f)	Projected AVG 12CP at Generation (kW) ^(g)	Percentage of Sales at Generation (%) ^(h)	Percentage of Demand at Generation (%) ⁽ⁱ⁾
RS1/RTR1	59.146%	57,063,506,058	11,013,646	1.06430156	1.04862829	59,838,406,779	11,721,841	53.21566%	58.92337%
GS1/GST1	65.027%	5,971,311,587	1,048,260	1.06430156	1.04862829	6,261,686,259	1,115,665	5.56866%	5.60823%
GSD1/GSDT1/HLFT1	72.765%	25,836,330,536	4,053,251	1.06421646	1.04856471	27,091,064,436	4,313,536	24.09270%	21.68329%
OS2	92.223%	10,793,313	1,336	1.05687787	1.02669200	11,081,408	1,412	0.00985%	0.00710%
GSLD1/GSLDT1/CS1/CST1/HLFT2	73.257%	10,511,832,443	1,638,034	1.06313919	1.04778551	11,014,145,717	1,741,458	9.79513%	8.75396%
GSLD2/GSLDT2/CS2/CST2/HLFT3	87.653%	2,516,449,511	327,730	1.05469612	1.04113164	2,619,955,206	345,656	2.32999%	1.73754%
GSLD3/GSLDT3/CS3/CST3	86.088%	172,996,790	22,940	1.02180107	1.01700518	175,938,632	23,440	0.15647%	0.11783%
SST1T	107.395%	89,667,754	9,531	1.02180107	1.01700518	91,192,570	9,739	0.08110%	0.04895%
SST1D1/SST1D2/SST1D3	78.275%	11,856,926	1,729	1.03476555	1.02669200	12,173,411	1,789	0.01083%	0.00899%
CILC D/CILC G	87.305%	2,789,895,442	364,790	1.05313565	1.04053446	2,902,982,347	384,173	2.58169%	1.93116%
CILC T	91.242%	1,508,389,554	188,718	1.02180107	1.01700518	1,534,039,990	192,832	1.36426%	0.96933%
MET	71.670%	91,208,296	14,528	1.03476555	1.02669200	93,642,828	15,033	0.08328%	0.07557%
OL1/SL1/PL1	586.798%	658,751,104	12,815	1.06430156	1.04862829	690,785,044	13,639	0.61433%	0.06856%
SL2, GSCU1	95.157%	103,004,444	12,357	1.06430156	1.04862829	108,013,374	13,152	0.09606%	0.06611%
Total		107,335,993,758	18,709,665			112,445,108,001	19,893,365	100.00000%	100.00000%

^(a) AVG 12 CP load factor based on 2013-2015 load research data and 2017 projection.

^(b) Projected kwh sales for the period January 2017 through December 2017

^(c) Calculated: Col (3)/(8760 hours * Col (2)) , 8760 hours = annual hours

^(d) Based on projected 2017 demand losses.

^(e) Based on projected 2017 energy losses.

^(f) Col (3) * Col (6)

^(g) Col (4) * Col (5)

^(h) Col (7) / total for Col (7)

⁽ⁱ⁾ Col (8) / total for Col (8)

Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
 ENERGY CONSERVATION COST RECOVERY
 CALCULATION OF ENERGY CONSERVATION FACTORS
 12CP 1/13TH COST ALLOCATION METHODOLOGY

SCHEDULE: C-1

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RATE CLASS	Percentage of Sales at Generation (%) ^(a)	Percentage of Demand at Generation (%) ^(b)	Demand Allocation 12CP (\$) ^(c)	Demand Allocation 1/13th (\$) ^(d)	Energy Allocation (\$) ^(e)	Total Recoverable Costs (\$) ^(f)	Projected Sales at Meter (kwh) ^(g)	Billing KW Load Factor (%) ^(h)	Projected Billed KW at Meter (kw) ⁽ⁱ⁾	Conservation Recovery Factor (\$/kw) ^(j)	Conservation Recovery Factor (\$/kw) ^(k)	RDC (\$/KW) ^(l)	SDD (\$/KW) ^(m)
RS1/RTR1	53.21566%	58.92337%	\$61,002,779	\$4,591,137	\$19,884,319	\$85,478,236	57,063,506,058	-	-	-	0.00150	-	-
GS1/GST1	5.56866%	5.60823%	\$5,806,140	\$480,432	\$2,080,760	\$8,367,332	5,971,311,587	-	-	-	0.00140	-	-
GSD1/GSDT1/HLFT1	24.09270%	21.68329%	\$22,448,498	\$2,078,578	\$9,002,368	\$33,529,444	25,836,330,536	50.15375%	70,567,469	0.48	-	-	-
OS2	0.00985%	0.00710%	\$7,348	\$850	\$3,682	\$11,881	10,793,313	-	-	-	0.00110	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	9.79513%	8.75396%	\$9,062,893	\$845,067	\$3,660,004	\$13,567,963	10,511,832,443	56.71170%	25,391,181	0.53	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	2.32999%	1.73754%	\$1,798,860	\$201,018	\$870,612	\$2,870,489	2,516,449,511	65.79207%	5,239,524	0.55	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.15647%	0.11783%	\$121,987	\$13,499	\$58,464	\$193,950	172,996,790	68.69783%	344,963	0.56	-	-	-
SST1T	0.08110%	0.04895%	\$50,683	\$6,997	\$30,303	\$87,983	89,667,754	11.31969%	1,085,123	-	-	\$0.06	\$0.03
SST1D1/SST1D2/SST1D3	0.01083%	0.00899%	\$9,311	\$934	\$4,045	\$14,290	11,856,926	29.68376%	54,718	-	-	\$0.06	\$0.03
CILC DICILC G	2.58169%	1.93116%	\$1,999,314	\$222,733	\$964,662	\$3,186,709	2,789,895,442	74.14313%	5,154,590	0.62	-	-	-
CILC T	1.36426%	0.96933%	\$1,003,537	\$117,700	\$509,762	\$1,630,999	1,508,389,554	76.33683%	2,706,802	0.60	-	-	-
MET	0.08328%	0.07557%	\$78,235	\$7,185	\$31,118	\$116,537	91,208,296	64.64301%	193,281	0.60	-	-	-
OL1/SL1/SL1M/PL1	0.61433%	0.06856%	\$70,980	\$53,001	\$229,548	\$353,529	658,751,104	-	-	-	0.00054	-	-
SL2/SL2M/GSCU1	0.09606%	0.06611%	\$68,443	\$8,287	\$35,893	\$112,624	103,004,444	-	-	-	0.00109	-	-
Total			\$103,529,009	\$8,627,417	\$37,365,541	\$149,521,967	107,335,993,758		110,737,651				

^(a) Obtained from Schedule C-1, page 2, Col (9)

^(b) Obtained from Schedule C-1, page 2, Col (10)

^(c) Total from C-1, page 1, line 12 X Col (3)

^(d) Total from C-1, page 1, line 13 X Col (2)

^(e) Total from C-1, page 1, line 10 X Col (2)

^(f) Projected kwh sales for the period January 2017 through December 2017, From C-1 Page 2, Total of Column 3

^(g) Based on 2012-2014 load research data and 2017 projections

^(h) Col (8) / Col(9)*730

⁽ⁱ⁾ Col (7) / Col (10)

^(j) Col (7) / Col (8)

^(k) (C-1 pg 3, total col 7)/(C-1, pg 2, total col 8),(10) (C-1, pg 2, col 6) / 12

^(l) (C-1 pg 3, total col 7/C-1, pg 2, total col 8/(21 onpk days) (C-1, pg 2, col 6)/ 12

Note: There are currently no customers taking service on Schedules ISST1(D) and ISST1(T). Should any customer begin taking service on these schedules during the period, they will be billed using the applicable SST1 factor.

Note: Totals may not add due to rounding.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

PROGRAM TITLE	Method of Classification		Monthly Data												
	Energy	Demand	January Estimated	February Estimated	March Estimated	April Estimated	May Estimated	June Estimated	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	Twelve Month Amount
1. Residential Home Energy Survey	\$12,534,355	\$0	\$718,388	\$426,432	\$510,040	\$479,434	\$1,625,558	\$1,634,817	\$1,553,113	\$1,632,938	\$1,595,510	\$1,597,856	\$389,726	\$370,544	\$12,534,355
2. Residential Ceiling Insulation	\$979,448	\$0	\$74,243	\$53,831	\$57,657	\$51,566	\$69,307	\$90,222	\$81,279	\$107,805	\$137,694	\$81,264	\$67,000	\$107,581	\$979,448
3. Residential Air Conditioning	\$5,736,790	\$0	\$411,559	\$274,799	\$482,797	\$430,205	\$571,095	\$549,213	\$663,568	\$583,042	\$573,901	\$497,038	\$374,138	\$325,435	\$5,736,790
4. Residential New Construction (BuildSmart®)	\$567,124	\$0	\$41,554	\$48,674	\$51,993	\$34,708	\$56,096	\$42,781	\$44,227	\$53,341	\$47,908	\$49,284	\$49,208	\$47,350	\$567,124
5. Residential Low-Income Weatherization	\$722,741	\$0	\$32,193	\$54,039	\$130,551	\$50,525	\$57,907	\$58,210	\$85,431	\$70,056	\$56,984	\$54,560	\$28,329	\$43,956	\$722,741
6. Residential Load Management ("On Call")	\$0	\$51,846,678	\$3,457,201	\$3,445,723	\$3,370,666	\$4,683,630	\$5,057,392	\$5,017,768	\$4,912,612	\$4,927,019	\$4,942,422	\$4,951,021	\$3,534,004	\$3,547,220	\$51,846,678
7. Business Energy Evaluation	\$8,998,102	\$0	\$585,253	\$458,555	\$526,330	\$471,859	\$992,279	\$1,069,309	\$970,144	\$971,250	\$989,287	\$1,026,909	\$495,030	\$441,897	\$8,998,102
8. Business Efficient Lighting	\$469,410	\$0	\$51,926	\$49,146	\$34,902	\$18,666	\$33,062	\$27,005	\$46,496	\$42,773	\$35,167	\$16,097	\$58,792	\$55,380	\$469,410
9. Business Heating, Ventilating & A/C	\$6,396,568	\$0	\$242,039	\$949,057	\$487,465	\$316,489	\$888,464	\$788,939	\$372,101	\$389,108	\$207,182	\$142,043	\$297,971	\$1,315,712	\$6,396,568
10. Business Custom Incentive	\$319,950	\$0	\$5,917	\$5,419	\$6,595	\$18,313	\$12,822	\$7,858	\$15,979	\$17,719	\$13,245	\$134,275	\$46,378	\$35,430	\$319,950
11. Business On Call	\$0	\$4,250,740	\$48,608	\$46,136	\$72,956	\$583,831	\$594,169	\$593,118	\$593,498	\$586,410	\$585,200	\$441,846	\$53,848	\$51,119	\$4,250,740
12. Commercial/Industrial Load Control	\$0	\$41,965,853	\$2,971,553	\$3,404,018	\$3,464,622	\$2,923,063	\$2,940,880	\$4,995,580	\$2,929,948	\$3,534,742	\$2,919,246	\$2,865,037	\$3,504,667	\$5,512,497	\$41,965,853
13. Commercial/Industrial Demand Reduction	\$0	\$21,069,949	\$1,428,112	\$1,370,535	\$1,464,655	\$1,684,003	\$1,824,781	\$1,895,298	\$1,988,957	\$2,020,139	\$2,031,155	\$1,934,764	\$1,774,438	\$1,653,111	\$21,069,949
14. Cogeneration & Small Power Production	\$368,217	\$0	\$30,213	\$25,999	\$33,658	\$27,275	\$33,849	\$31,658	\$29,467	\$33,849	\$29,467	\$31,658	\$31,658	\$29,467	\$368,217
15. Conservation Research & Development	\$270,908	\$0	\$35,501	\$35,234	\$57,411	\$35,314	\$3,193	\$24,746	\$2,915	\$21,270	\$17,377	\$3,054	\$17,516	\$17,377	\$270,908
16. Common Expenses	\$2,220,234	\$6,665,333	\$697,702	\$683,181	\$915,530	\$664,710	\$748,958	\$749,320	\$699,279	\$745,613	\$729,101	\$786,627	\$769,559	\$695,987	\$8,885,567
17. Business Photovoltaic for Schools Pilot ⁽¹⁾	\$2,216,568	\$0	\$191,297	\$190,100	\$188,903	\$187,706	\$186,509	\$185,312	\$184,115	\$182,918	\$181,721	\$180,525	\$179,328	\$178,131	\$2,216,568
18. Solar Pilot Projects Common Expenses ⁽¹⁾	\$103,310	\$0	\$29,794	\$29,566	\$29,338	\$14,612	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$103,310
19. Recoverable Conservation Expenses	\$41,903,726	\$125,798,553	\$11,053,052	\$11,550,443	\$11,886,069	\$12,675,911	\$15,696,319	\$17,761,154	\$15,173,129	\$15,919,992	\$15,092,567	\$14,793,859	\$11,671,589	\$14,428,193	\$167,702,279

Notes: Totals may not add due to rounding.

(1) Solar programs ended in December 2015. Recovery of Depreciation and Return.

FLORIDA POWER & LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
SUMMARY OF ECCR CALCULATION

SCHEDULE: C-2

ESTIMATED FOR THE PERIOD OF: JANUARY 2017 THROUGH DECEMBER 2017

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	Total for Period
1. Residential Home Energy Survey	\$139,857	\$3,577,374		\$1,377,227	\$6,940,500		\$104,462	\$394,935	\$12,534,355
2. Residential Ceiling Insulation		\$173,541		\$17,387		\$774,000		\$14,520	\$979,448
3. Residential Air Conditioning		\$835,757		\$143,885		\$4,575,000	\$58,170	\$123,978	\$5,736,790
4. Residential New Construction (BuildSmart®)	\$64,352	\$353,296		\$80,834		\$16,976		\$51,666	\$567,124
5. Residential Low-Income Weatherization	\$33,062	\$203,692	\$2,094	\$25,000		\$440,000		\$18,893	\$722,742
6. Residential Load Management ("On Call")	\$9,287,206	\$2,229,440	(\$2,522,531)	\$5,020,096		\$37,262,940	\$40,375	\$529,151	\$51,846,678
7. Business Energy Evaluation	\$13,270	\$4,823,607	\$31,416	\$814,038	\$2,877,956		\$36,261	\$401,554	\$8,998,102
8. Business Efficient Lighting		\$155,127		\$49,223		\$254,646		\$10,414	\$469,410
9. Business Heating, Ventilating & A/C		\$468,733		\$151,766		\$5,684,022	\$8,036	\$84,010	\$6,396,568
10. Business Custom Incentive		\$67,056				\$245,964		\$6,930	\$319,950
11. Business On Call	\$468,262	\$58,258	(\$146,000)	\$171,548		\$3,666,866	\$378	\$31,428	\$4,250,740
12. Commercial/Industrial Load Control		\$196,500	\$4,781	\$28,786		\$41,687,646	\$155	\$47,986	\$41,965,853
13. Commercial/Industrial Demand Reduction		\$250,490	\$7,157	\$41,902		\$20,699,353	\$155	\$70,891	\$21,069,949
14. Cogeneration & Small Power Production		\$566,811		\$3,588				(\$202,181)	\$368,217
15. Conservation Research & Development		\$35,908		\$235,000					\$270,908
16. Common Expenses	\$916,969	\$6,188,486	\$51	\$793,263			\$20,473	\$966,325	\$8,885,567
17. Business Photovoltaic for Schools Pilot ⁽¹⁾	\$2,216,568								\$2,216,568
18. Solar Pilot Projects Common Expenses ⁽¹⁾	\$103,310								\$103,310
19. Recoverable Conservation Expenses	\$13,242,858	\$20,184,075	(\$2,623,031)	\$8,953,542	\$9,818,456	\$115,307,413	\$268,465	\$2,550,501	\$167,702,279

Note: Totals may not add due to rounding.

(1) Solar programs ended in December 2015. Recovery of Depreciation & Return

Florida Power & Light Company

Program Progress - 2016 Actual/Estimated and 2017 Projection

Schedule C-5
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Pgm. No.	Program Title	2016 Actual/Estimated	2017 Projection	Progress Summary (Inception through June 2016)
1	Residential Energy Survey	Surveys = 127,559 Cost = \$12,660,602	Surveys = 100,000 Cost = \$12,534,355	Surveys = 3,715,713
2	Residential Ceiling Insulation	Installations = 3,747 Cost = \$781,354	Installations = 4,000 Cost = \$979,448	Installations = 569,575
3	Residential Air Conditioning	Installations = 27,347 Cost = \$6,294,886	Installations = 30,500 Cost = \$5,736,790	Installations = 1,886,616
4	Residential New Construction (BuildSmart®)	Homes = 1,990 Cost = \$508,824	Homes = 2,000 Cost = \$567,124	Homes = 40,022
5	Residential Low-Income	Installations = 1,277 Cost = \$495,408	Installations = 2,000 Cost = \$722,742	Installations = 9,518
6	Residential Load Management (On Call)	Installations = 7,668 Cost = \$49,690,449	Installations = 6,975 Cost = \$51,846,678	Installations = 796,636
7	Business Energy Evaluation	Evaluations = 11,826 Cost = \$8,418,237	Evaluations = 12,000 Cost = \$8,998,102	Evaluations = 221,506
8	Business Lighting	kW = 2,046 Cost = \$343,078	kW = 2,961 Cost = \$469,410	kW = 290,104
9	Business Heating, Ventilating and Air Conditioning	kW = 9,158 Cost = \$5,811,892	kW = 9,489 Cost = \$6,396,568	kW = 398,762
10	Business Custom Incentive	kW = 3,005 Cost = \$727,192	kW = 1,194 Cost = \$319,950	kW = 50,463
11	Business On Call	kW = 3,179 Cost = \$3,898,314	kW = 3,233 Cost = \$4,250,740	MW under contract = 103
12	Commercial/Industrial Load Control (CILC)	Closed to new participants Cost = \$41,179,246	Closed to new participants Cost = \$41,687,646	MW under contract = 461
13	Commercial/Industrial Demand Reduction	kW = 8,084 Cost = \$19,988,396	kW = 8,623 Cost = \$20,699,353	MW under contract = 251
14	Cogeneration & Small Power Production	MW = 334 GWh = 881 Cost = \$355,298	MW = 334 GWh = 1,066 Cost = \$368,217	MW & GWh represent contracted purchase power Firm Producers = 2 As Available Producers = 10
15	Conservation Research & Development	Cost = \$255,806	Cost = \$270,908	See Schedule C-5, Page 5 of 5
16	Common Expenses	Cost = \$9,614,937	Cost = \$8,885,567	Not Applicable
17	Business Photovoltaic for Schools ⁽¹⁾⁽²⁾	Cost = \$2,458,400	Cost = \$2,216,568	Not Applicable
18	Solar Pilot Project Common Expenses ⁽²⁾	Cost = \$375,196	Cost = \$103,310	Not Applicable
19	Discontinued Programs ⁽³⁾	kW = 280 Cost = \$262,646	Not Applicable	Not Applicable

(1) 2016 costs include residual expenses.

(2) Recovery of Depreciation and Return

(3) Residuals from programs discontinued in 2015

kW and MW reduction are at the generator

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Q.

Referring to Paragraph 4(e) of the Proposed Settlement Agreement, please provide the conservation cost recovery factors for each rate class for the Company's energy conservation cost recovery clause (Docket No. 160002-EI) that would result from maintaining the CILC/CDR credits at their current level. Provide conservation cost recovery factors for each rate class calculated using each of the following two production cost allocation methodologies:

- a. 12 CP and 1/13th
- b. 12 CP and 25 percent

A.

a. FPL's 2017 conservation cost recovery factors including current level CILC/CDR credits and calculated based on the 12 CP and 1/13th cost allocation methodology are as follows:

RATE CLASS	Conservation Recovery Factor (\$/kw) ⁽ⁱ⁾	Conservation Recovery Factor (\$/kwh) ^(j)	RDC (\$/KW) ^(k)	SDD (\$/KW) ^(l)
RS1/RTR1	-	0.00150	-	-
GS1/GST1	-	0.00140	-	-
GSD1/GSDT1/HLFT1	0.48	-	-	-
OS2	-	0.00110	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	0.53	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	0.55	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.56	-	-	-
SST1T	-	-	\$0.06	\$0.03
SST1D1/SST1D2/SST1D3	-	-	\$0.06	\$0.03
CILC D/CILC G	0.62	-	-	-
CILC T	0.60	-	-	-
MET	0.60	-	-	-
OL1/SL1/SL1M/PL1	-	0.00054	-	-
SL2/SL2M/GSCU1	-	0.00109	-	-

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b. FPL's conservation cost recovery factors including current level CILC/CDR credits and calculated based on the 12 CP and 25% cost allocation methodology are as follows:

RATE CLASS	Conservation Recovery Factor (\$/kw) ⁽ⁱ⁾	Conservation Recovery Factor (\$/kwh) _(i)	RDC (\$/KW) ^(k)	SDD (\$/KW) ^(l)
RS1/RTR1	-	0.00148	-	-
GS1/GST1	-	0.00140	-	-
GSD1/GSDT1/HLFT1	0.48	-	-	-
OS2	-	0.00115	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	0.54	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	0.57	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.58	-	-	-
SST1T	-	-	\$0.06	\$0.03
SST1D1/SST1D2/SST1D3	-	-	\$0.06	\$0.03
CILC D/CILC G	0.64	-	-	-
CILC T	0.63	-	-	-
MET	0.61	-	-	-
OL1/SL1/SL1M/PL1	-	0.00070	-	-
SL2/SL2M/GSCU1	-	0.00115	-	-

DECLARATION

I co-sponsored the answer to Interrogatory No. 15 from **STAFF'S THIRD SET OF INTERROGATORIES (NOS. 15-16)** to Florida Power & Light Company in Docket No. 160002-EG, and that the response is true and correct based on my personal knowledge.

Under penalties of perjury, I declare that I have read the foregoing declaration and the interrogatory answer identified above, and that the facts stated therein are true.



Anita Sharma

Date: 10/18/2016

DECLARATION

I co-sponsored the answer to Interrogatory No. 15 and sponsored the answer to Interrogatory No. 16 from **STAFF'S THIRD SET OF INTERROGATORIES (NOS. 15-16)** to Florida Power & Light Company in Docket No. 160002-EG, and that the responses are true and correct based on my personal knowledge.

Under penalties of perjury, I declare that I have read the foregoing declaration and the interrogatory answers identified above, and that the facts stated therein are true.

A handwritten signature in black ink, appearing to read 'RBD', is written over a horizontal line.

Renae B. Deaton

Date: _____ October 18, 2016