

Docket No. 20190002-EG					
Comprehensive Exhibit List for Entry into Hearing Record					
November 5, 2019					
Hearing I.D. #	Witness	I.D. # As Filed	Exhibit Description	Issue Nos.	Entered
1		Exhibit List	Comprehensive Exhibit List		<input checked="" type="checkbox"/>
FLORIDA POWER & LIGHT COMPANY (FPL) – (DIRECT)					
2	Renae Deaton	AS-1 D	Schedules CT-1 and CT-4.	1, 2, 3, 5, 6, 7, 11, 12	Stipulated
3	Renae Deaton / Anita Sharma	AS-1 DS	Schedules CT-2 and CT-3.	1, 2, 3, 4, 5, 6, 7, 11, 12	Stipulated
4	Anita Sharma	AS-1 S	Schedules CT-5 and CT-6, Appendix A.	4	Stipulated
5	Renae Deaton	AS-2 D	Schedules C-1 and C-4.	1, 2, 3, 5, 6, 7, 11, 12	Stipulated
6	Renae Deaton / Anita Sharma	AS-2 DS	Schedules C-2 and C-3.	1, 2, 3, 4, 5, 6, 7, 11, 12	Stipulated
7	Anita Sharma	AS-2 S	Schedule C-5.	4	Stipulated
GULF POWER COMPANY (GULF) – (DIRECT)					
8	John N. Floyd ¹	JNF-1	Schedules CT-1 through CT-6 ² .	1	Stipulated
9	John N. Floyd	JNF-2	Schedules C-1 through C-6.	2, 3, 4, 5	Stipulated
FLORIDA PUBLIC UTILITIES COMPANY (FPUC) – (DIRECT)					
10	Curtis D. Young	CDY-1	Schedules CT-1, CT-2, CT-3, CT-4, CT-5, and CT-6. (Composite)	1, 11	Stipulated
11	G. Scott Ranck	GSR-1	Schedules C-1, C-2, C-3, C-4, and C-5. (Composite)	2, 3, 4, 5, 6, 7	Stipulated

¹ John N. Floyd testimony includes errata filed on June 20, 2019.

² Amendments to Exhibit JNF-1 were filed on September 16, 2019. More specifically, Schedule CT-6.

DUKE ENERGY FLORIDA, LLC (DEF) – (DIRECT)					
12	Lori J. Cross	LJC-1T	ECCR Adjusted Net True-Up for January-December 2018, Schedules CT1-CT6.	1, 2, 3, 4, 5, 6, 7, 11, 12	Stipulated
13	Lori J. Cross	LJC-1P	Estimated/Actual True-Up, January –December 2019 and ECCR Factors for Billings in January –December 2020, Schedules C1-C6.	1, 2, 3, 4, 5, 6, 7, 11, 12	Stipulated
TAMPA ELECTRIC COMPANY (TECO) – (DIRECT)					
14	Mark R. Roche	MRR-1	Schedules supporting cost recovery factor, actual January 2018 – December 2018.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Stipulated
15	Mark R. Roche	MRR-2	Schedules supporting conservation costs projected for the period January 2020 – December 2020.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Stipulated
16	Mark R. Roche	MRR-3	Schedules supporting credit factors to be applied during the January 2020 billing cycles to refund the “Final Tax Savings Credit.”	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Stipulated
STAFF – (DIRECT)					
17	Lori Cross (1-15)		DEF’s Response to Staff’s First Set of Interrogatories Nos. 1-15. Additional files contained on Staff Hearing Exhibits CD for Nos. 1-13. <i>[Bates Nos. 00001-00012]</i>	1, 2, 3	

18	Lori Cross (16-19)		DEF's Response to Staff's Second Set of Interrogatories Nos. 16-19. <i>[Bates Nos. 00013-00018]</i>	1, 2, 3, 4	
19	Marcia Olivier (20)		DEF's Response to Staff's Third Set of Interrogatories No. 20. <i>[Bates Nos. 00019-00021]</i>	4, 10	
20	Thomas Koch (1-13)		FPL's Response to Staff's First Set of Interrogatories Nos. 1- 13. Additional files contained on Staff Hearing Exhibits CD for No. 1. <i>[Bates Nos. 00022-00036]</i>	1, 2, 3, 4	
21	David Du Bois (16-19) Thomas Koch (14-15, 20-21)		FPL's Response to Staff's Second Set of Interrogatories Nos. 14-21. <i>[Bates Nos. 00037-00047]</i>	1, 2, 3, 4	
22	Liz Fuentes (22) Thomas Koch (23-27)		FPL's Response to Staff's Third Set of Interrogatories Nos. 22-27. <i>[Bates Nos. 00048-00056]</i>	1, 2, 3, 4, 10	
23	Scott Ranck (1-14)		FPUC's Response to Staff's First Set of Interrogatories Nos. 1-14. (No. 4 is confidential) (Confidential Document No. 06007-2019) Additional files contained on Staff Hearing Exhibits CD for Nos. 1-14. <i>[Bates Nos. 00057-00077]</i>	1, 2, 3, 4	
24	Scott Ranck (15-19)		FPUC's Response to Staff's Second Set of Interrogatories Nos. 15-19. <i>[Bates Nos. 00078-00086]</i>	1, 2, 3, 4	

25	Scott Ranck (20)		FPUC's Response to Staff's Third Set of Interrogatories No. 20. <i>[Bates Nos. 00087-00089]</i>	10	
26	John N. Floyd (1-11)		GULF's Response to Staff's First Set of Interrogatories Nos. 1-11. (No. 5 is confidential) (Confidential Document No. 06107-2019) <i>[Bates Nos. 00090-00104]</i>	1, 2, 3, 4	
27	John N. Floyd (12-19)		GULF's Response to Staff's Second Set of Interrogatories Nos. 12-19. <i>[Bates Nos. 00105-00116]</i>	1, 2, 3, 4	
28	John N. Floyd (20)		GULF's Response to Staff's Third Set of Interrogatories No. 20. <i>[Bates Nos. 00117-00120]</i>	10	
29	Mark Roche (1-15)		TECO's Response to Staff's First Set of Interrogatories Nos. 1-15. <i>[Bates Nos. 00121-00150]</i>	1, 2, 3, 4	
30	Mark Roche (16-21)		TECO's Response to Staff's Second Set of Interrogatories Nos. 16-21. <i>[Bates Nos. 00151-00160]</i>	1, 2, 3, 4	
31	Mark Roche (22-34)		TECO's Response to Staff's Third Set of Interrogatories Nos. 22-34. <i>[Bates Nos. 00161-00178]</i>	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	

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

SCHEDULE CT-1

JANUARY 2018 THROUGH DECEMBER 2018

	Total
1. Actual End of Period True-Up (CT-3, Page 9, Lines 6 and 7)	
2. Principal	\$10,256,004
3. Interest	\$431,884
Total Actual End of Period True-Up	\$10,687,888
4. Less Actual/Estimated True-Up	
5. Principal	\$ 4,660,900
6. Interest	391,311
Total Actual/Estimated True-Up ⁽¹⁾	\$ 5,052,211
7. Final Net True-Up	\$5,635,677

⁽¹⁾ The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for the Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up, and the resulting corrections moving charges from base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

Note: () Reflects Underrecovery.

Totals may not add due to rounding.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 2
PARTY: FLORIDA POWER & LIGHT COMPANY
(FPL) – (DIRECT)
DESCRIPTION: Renae Deaton AS-1 D

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

SCHEDULE CT-4

JANUARY THROUGH DECEMBER 2018

Line No.	RESIDENTIAL HOME ENERGY SURVEY	Beginning of Period	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	Additions/Expenditures		\$-36,440	\$112,247	\$158,614	\$103,360	\$64,590	\$74,213	\$114,969	\$116,411	\$165,526	\$108,753	\$116,620	\$210,572	\$1,309,437	
2	Investment (Net of Retirements)												-\$525,412		(\$525,412)	
3	Depreciation Base		\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412			N/A	
4	Depreciation Expense ^(a)		\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$8,757	\$4,378			83,190	
5	Cumulative Investment (Line 3)	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412	\$525,412			N/A	
6	Less: Accumulated Depreciation		\$442,221	\$450,978	\$459,735	\$468,492	\$477,249	\$486,006	\$494,763	\$503,519	\$512,276	\$521,033	\$525,412		N/A	
7	CWIP Balance Eligible for Return		\$636,737	\$600,296	\$712,544	\$871,158	\$974,518	\$1,039,107	\$1,113,321	\$1,228,290	\$1,344,701	\$1,510,228	\$1,618,981	\$1,735,601	\$1,946,174	\$15,331,656
8	Net Investment (Line 5-6+7)		\$719,927	\$674,730	\$778,220	\$928,077	\$1,022,680	\$1,078,513	\$1,143,970	\$1,250,182	\$1,357,837	\$1,514,606	\$1,618,981	\$1,735,601	\$1,946,174	\$15,769,499
9	Average Net Investment		\$697,328	\$726,475	\$853,149	\$975,379	\$1,050,597	\$1,111,242	\$1,197,076	\$1,304,009	\$1,436,221	\$1,566,794	\$1,677,291	\$1,840,888	N/A	
10	Return on Average Net Investment															
	a. Equity Component		\$2,804	\$2,921	\$3,430	\$3,922	\$4,224	\$4,468	\$4,704	\$5,124	\$5,644	\$6,157	\$6,591	\$7,234		
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		\$3,756	\$3,913	\$4,595	\$5,253	\$5,658	\$5,985	\$6,301	\$6,864	\$7,560	\$8,247	\$8,829	\$9,690	76,652	
	c. Debt Component ^(c)		\$779	\$812	\$954	\$1,090	\$1,174	\$1,242	\$1,326	\$1,445	\$1,591	\$1,736	\$1,859	\$2,040	16,050	
11	Total Return Requirements (Line 10b+10c)		\$4,535	\$4,725	\$5,549	\$6,344	\$6,833	\$7,227	\$7,628	\$8,309	\$9,151	\$9,983	\$10,688	\$11,730	92,702	
12	Total Depreciation & Return (Line 4+11)		\$13,292	\$13,482	\$14,306	\$15,101	\$15,590	\$15,984	\$16,385	\$17,066	\$17,908	\$14,362	\$10,688	\$11,730	\$175,892	

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

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

JANUARY THROUGH DECEMBER 2018

Line No.	RESIDENTIAL LOAD MANAGEMENT ("ON CALL")	Beginning of Period	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	Additions/Expenditures		(\$140,982)	\$62,062	\$93,064	\$131,196	(\$466,698)	\$611,367	(\$227,489)	(\$1,417,471)	(\$90,616)	(\$3,278)	(\$228,164)	\$1,445,681	(\$231,328)	
2	Investment (Net of Retirements)		\$644,044	\$225,836	\$54,993	\$155,734	(\$2,489,647)	\$550,637	\$10,568	\$1,460,587	\$302,494	\$198,059	\$70,024	\$7,543	\$1,190,872	
3	Depreciation Base		\$35,958,072	\$36,183,908	\$36,238,901	\$36,394,635	\$33,904,988	\$34,455,625	\$34,466,193	\$35,926,780	\$36,229,274	\$36,427,333	\$36,497,357	\$36,504,900		
4	Depreciation Expense ^(a)		\$597,394	\$604,643	\$606,984	\$608,740	\$589,290	\$573,132	\$577,809	\$590,068	\$604,761	\$608,932	\$611,166	\$611,812	\$7,184,731	
5	Cumulative Investment (Line 3)	\$35,314,028	\$35,958,072	\$36,183,908	\$36,238,901	\$36,394,635	\$33,904,988	\$34,455,625	\$34,466,193	\$35,926,780	\$36,229,274	\$36,427,333	\$36,497,357	\$36,504,900		
6	Less: Accumulated Depreciation		\$14,596,210	\$15,087,551	\$15,692,194	\$16,263,047	\$16,871,786	\$14,903,171	\$15,476,303	\$16,003,542	\$17,017,545	\$17,600,524	\$18,003,633	\$18,573,771		
7	CWIP Balance Eligible for Return ^(d)		\$1,467,338	\$1,326,357	\$1,388,418	\$1,481,482	\$1,612,678	\$1,145,980	\$1,757,347	\$1,529,858	\$112,387	\$21,771	\$18,493	(\$209,671)	\$1,236,010	\$12,888,448
8	Net Investment (Line 5-6+7)		\$22,185,156	\$22,196,878	\$21,880,132	\$21,457,336	\$21,135,527	\$20,147,797	\$20,736,668	\$19,992,509	\$19,609,929	\$19,233,500	\$18,845,302	\$18,284,052	\$19,167,139	\$12,888,448
9	Average Net Investment		\$22,191,017	\$22,038,505	\$21,668,734	\$21,296,432	\$20,641,662	\$20,442,233	\$20,364,589	\$19,801,219	\$19,421,715	\$19,039,401	\$18,564,677	\$18,725,596		
10	Return on Average Net Investment															
	a. Equity Component		\$89,228	\$88,615	\$87,128	\$85,631	\$82,998	\$82,196	\$80,027	\$77,813	\$76,322	\$74,819	\$72,954	\$73,586		
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		\$119,520	\$118,699	\$116,707	\$114,702	\$111,175	\$110,101	\$107,195	\$104,230	\$102,232	\$100,220	\$97,721	\$98,568	\$1,301,072	
	c. Debt Component ^(c)		\$24,805	\$24,635	\$24,221	\$23,805	\$23,073	\$22,850	\$22,566	\$21,942	\$21,521	\$21,098	\$20,572	\$20,750	\$271,838	
11	Total Return Requirements (Line 10b+10c)		\$144,325	\$143,333	\$140,929	\$138,507	\$134,249	\$132,952	\$129,761	\$126,172	\$123,753	\$121,317	\$118,293	\$119,318	\$1,572,909	
12	Total Depreciation & Return (Line 4+11)		\$741,720	\$747,977	\$747,912	\$747,247	\$723,539	\$706,084	\$707,570	\$716,240	\$728,514	\$730,249	\$729,458	\$731,130	\$8,757,640	

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

^(d) The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up and the resulting corrections moving charges from base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

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

JANUARY THROUGH DECEMBER 2018

Line No.	BUSINESS ON CALL	Beginning of Period	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	Additions/Expenditures		(\$6,798)	\$2,992	\$4,487	\$6,326	(\$22,503)	\$29,479	(\$10,969)	(\$68,348)	(\$4,369)	(\$158)	(\$11,002)	\$69,708	(\$11,154)
2	Investment (Net of Retirements)		\$31,055	\$10,889	\$2,652	\$7,509	(\$120,046)	\$26,551	\$510	\$70,427	\$14,586	\$9,550	\$3,376	\$364	\$57,421
3	Depreciation Base		<u>\$1,951,449</u>	<u>\$1,962,338</u>	<u>\$1,964,990</u>	<u>\$1,972,499</u>	<u>\$1,852,453</u>	<u>\$1,879,004</u>	<u>\$1,879,513</u>	<u>\$1,949,940</u>	<u>\$1,964,526</u>	<u>\$1,974,076</u>	<u>\$1,977,452</u>	<u>\$1,977,816</u>	
4	Depreciation Expense ^(a)		<u>\$28,805</u>	<u>\$29,155</u>	<u>\$29,268</u>	<u>\$29,352</u>	<u>\$28,414</u>	<u>\$27,635</u>	<u>\$27,861</u>	<u>\$28,452</u>	<u>\$29,160</u>	<u>\$29,361</u>	<u>\$29,469</u>	<u>\$29,500</u>	\$346,434
5	Cumulative Investment (Line 3)	\$1,920,394	\$1,951,449	\$1,962,338	\$1,964,990	\$1,972,499	\$1,852,453	\$1,879,004	\$1,879,513	\$1,949,940	\$1,964,526	\$1,974,076	\$1,977,452	\$1,977,816	
6	Less: Accumulated Depreciation	\$800,145	\$823,837	\$852,992	\$880,517	\$909,869	\$814,946	\$842,582	\$868,004	\$888,530	\$916,897	\$945,007	\$964,445	\$991,935	
7	CWIP Balance Eligible for Return ^(d)	\$72,366	\$65,568	\$68,561	\$73,048	\$79,374	\$56,871	\$86,350	\$75,381	\$7,033	\$2,664	\$2,506	(\$8,496)	\$61,212	\$642,437
8	Net Investment (Line 5-6+7)	<u>\$1,192,615</u>	<u>\$1,193,180</u>	<u>\$1,177,907</u>	<u>\$1,157,521</u>	<u>\$1,142,004</u>	<u>\$1,094,378</u>	<u>\$1,122,772</u>	<u>\$1,086,890</u>	<u>\$1,068,443</u>	<u>\$1,050,292</u>	<u>\$1,031,574</u>	<u>\$1,004,511</u>	<u>\$1,047,092</u>	<u>\$642,437</u>
9	Average Net Investment	\$1,192,898	\$1,185,544	\$1,167,714	\$1,149,762	\$1,118,191	\$1,108,575	\$1,104,831	\$1,077,666	\$1,059,367	\$1,040,933	\$1,018,043	\$1,025,802	\$13,249,325	
10	Return on Average Net Investment														
	a. Equity Component		\$4,797	\$4,767	\$4,695	\$4,623	\$4,496	\$4,457	\$4,342	\$4,235	\$4,163	\$4,091	\$4,001	\$4,031	
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		\$6,425	\$6,385	\$6,289	\$6,193	\$6,023	\$5,971	\$5,816	\$5,673	\$5,576	\$5,479	\$5,359	\$5,400	\$70,588
	c. Debt Component ^(c)		\$1,333	\$1,325	\$1,305	\$1,285	\$1,250	\$1,239	\$1,224	\$1,194	\$1,174	\$1,153	\$1,128	\$1,137	\$14,749
11	Total Return Requirements (Line 10b+10c)	<u>\$7,758</u>	<u>\$7,711</u>	<u>\$7,595</u>	<u>\$7,478</u>	<u>\$7,272</u>	<u>\$7,210</u>	<u>\$7,040</u>	<u>\$6,867</u>	<u>\$6,750</u>	<u>\$6,633</u>	<u>\$6,487</u>	<u>\$6,536</u>	<u>\$6,536</u>	<u>\$85,336</u>
12	Total Depreciation & Return (Line 4+11)	<u>\$36,564</u>	<u>\$36,865</u>	<u>\$36,862</u>	<u>\$36,830</u>	<u>\$35,687</u>	<u>\$34,845</u>	<u>\$34,901</u>	<u>\$35,319</u>	<u>\$35,911</u>	<u>\$35,994</u>	<u>\$35,956</u>	<u>\$36,037</u>	<u>\$431,770</u>	

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

^(d) The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up, and the resulting corrections moving charges from base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

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

SCHEDULE CT-4

JANUARY THROUGH DECEMBER 2018

Line No.	BUSINESS ENERGY EVALUATION	Beginning of Period	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	Additions/Expenditures		\$35,753	\$271,730	\$86,160	\$135,024	\$338,235	\$131,869	\$107,383	\$149,701	\$112,942	\$105,915	\$72,139	-\$170,308	\$1,376,543
2	Investment (Net of Retirements)														
3	Depreciation Base														
4	Depreciation Expense ^(a)														
5	Cumulative Investment (Line 3)														
6	Less: Accumulated Depreciation														
7	CWIP Balance Eligible for Return	\$781,415	\$817,169	\$1,088,899	\$1,175,059	\$1,310,083	\$1,648,318	\$1,780,187	\$1,887,570	\$2,037,270	\$2,150,212	\$2,256,127	\$2,328,266	\$2,157,958	\$21,418,533
8	Net Investment (Line 5-6+7)	\$781,415	\$817,169	\$1,088,899	\$1,175,059	\$1,310,083	\$1,648,318	\$1,780,187	\$1,887,570	\$2,037,270	\$2,150,212	\$2,256,127	\$2,328,266	\$2,157,958	\$21,418,533
9	Average Net Investment		\$799,292	\$953,034	\$1,131,979	\$1,242,571	\$1,479,201	\$1,714,253	\$1,833,878	\$1,962,420	\$2,093,741	\$2,203,169	\$2,292,196	\$2,243,112	\$19,948,846
10	Return on Average Net Investment														
	a. Equity Component		\$3,214	\$3,832	\$4,552	\$4,996	\$5,948	\$6,893	\$7,207	\$7,712	\$8,228	\$8,658	\$9,008	\$8,815	
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		\$4,305	\$5,133	\$6,097	\$6,692	\$7,967	\$9,233	\$9,653	\$10,330	\$11,021	\$11,597	\$12,066	\$11,807	\$105,901
	c. Debt Component ^(c)		\$893	\$1,065	\$1,265	\$1,389	\$1,653	\$1,916	\$2,032	\$2,175	\$2,320	\$2,441	\$2,540	\$2,486	\$22,176
11	Total Return Requirements (Line 10b+10c)		\$5,198	\$6,198	\$7,362	\$8,081	\$9,620	\$11,149	\$11,685	\$12,504	\$13,341	\$14,038	\$14,606	\$14,293	\$128,078
12	Total Depreciation & Return (Line 4+11)		\$5,198	\$6,198	\$7,362	\$8,081	\$9,620	\$11,149	\$11,685	\$12,504	\$13,341	\$14,038	\$14,606	\$14,293	\$128,078

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

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

SCHEDULE CT-4

JANUARY THROUGH DECEMBER 2018

Line No.	BUSINESS PHOTOVOLTAIC FOR SCHOOL PILOT	Beginning of Period	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	Additions/Expenditures														
2	Investment (Net of Retirements)										-\$880,393		-\$377,810	-\$295,737	-\$1,553,939
3	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	\$8,304,716	\$8,304,716	\$7,926,906	\$7,631,170	\$105,648,374
4	Depreciation Expense ^(a)		\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$153,085	\$145,749	\$138,412	\$135,264	\$129,651	\$1,773,756
5	Cumulative Investment (Line 3)	\$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	\$8,304,716	\$8,304,716	\$7,926,906	\$7,631,170	\$114,833,483
6	Less: Accumulated Depreciation	\$6,058,572	\$6,211,657	\$6,364,742	\$6,517,827	\$6,670,912	\$6,823,997	\$6,977,082	\$7,130,168	\$7,283,253	\$6,548,609	\$6,687,021	\$6,444,475	\$6,278,388	\$85,996,701
7	CWIP Balance Eligible for Return														
8	Net Investment (Line 5-6+7)	\$3,126,537	\$2,973,452	\$2,820,367	\$2,667,281	\$2,514,196	\$2,361,111	\$2,208,026	\$2,054,941	\$1,901,856	\$1,756,107	\$1,617,695	\$1,482,432	\$1,352,781	\$28,836,781
9	Average Net Investment	\$3,049,994	\$2,896,909	\$2,743,824	\$2,590,739	\$2,437,654	\$2,284,569	\$2,131,483	\$1,978,398	\$1,828,981	\$1,686,901	\$1,550,063	\$1,417,606	\$1,285,912	\$26,597,122
10	Return on Average Net Investment														
	a. Equity Component		\$12,264	\$11,648	\$11,033	\$10,417	\$9,802	\$9,186	\$8,376	\$7,775	\$7,187	\$6,629	\$6,091	\$5,571	
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		\$16,427	\$15,603	\$14,778	\$13,954	\$13,129	\$12,305	\$11,220	\$10,414	\$9,627	\$8,880	\$8,159	\$7,462	\$141,957
	c. Debt Component ^(c)		\$3,409	\$3,238	\$3,067	\$2,896	\$2,725	\$2,554	\$2,362	\$2,192	\$2,027	\$1,869	\$1,718	\$1,571	\$29,628
11	Total Return Requirements (Line 10b+10c)		\$19,836	\$18,841	\$17,845	\$16,850	\$15,854	\$14,858	\$13,582	\$12,606	\$11,654	\$10,749	\$9,877	\$9,033	\$171,585
12	Total Depreciation & Return (Line 4+11)		\$172,922	\$171,926	\$170,930	\$169,935	\$168,939	\$167,943	\$166,667	\$165,691	\$157,403	\$149,161	\$145,140	\$138,683	\$1,945,341

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

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

SCHEDULE CT-4

JANUARY THROUGH DECEMBER 2018

Line No.	COMMON EXPENSES	Beginning of Period	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	Additions/Expenditures														
2	Investment (Net of Retirements)		-\$683,322				-\$88,694							\$273,366	-\$498,650
3	Depreciation Base		<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,638,534</u>	<u>\$41,010,158</u>
4	Depreciation Expense ^(a)		<u>\$57,564</u>	<u>\$57,564</u>	<u>\$57,564</u>	<u>\$51,627</u>	<u>\$50,888</u>	<u>\$56,086</u>	<u>\$56,086</u>	<u>\$56,086</u>	<u>\$56,086</u>	<u>\$56,086</u>	<u>\$56,086</u>	<u>\$58,364</u>	<u>\$670,090</u>
5	Cumulative Investment (Line 3)	\$4,137,184	<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,453,862</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,365,168</u>	<u>\$3,638,534</u>	<u>\$45,147,342</u>
6	Less: Accumulated Depreciation	<u>\$2,425,113</u>	<u>\$1,799,355</u>	<u>\$1,856,919</u>	<u>\$1,914,484</u>	<u>\$1,966,111</u>	<u>\$1,304,558</u>	<u>\$1,360,645</u>	<u>\$1,416,731</u>	<u>\$1,472,817</u>	<u>\$1,528,903</u>	<u>\$1,584,989</u>	<u>\$1,641,075</u>	<u>\$1,699,439</u>	<u>\$21,971,139</u>
7	CWIP Balance Eligible for Return														
8	Net Investment (Line 5-6+7)	<u>\$1,712,071</u>	<u>\$1,654,507</u>	<u>\$1,596,943</u>	<u>\$1,539,378</u>	<u>\$1,487,751</u>	<u>\$2,060,610</u>	<u>\$2,004,524</u>	<u>\$1,948,437</u>	<u>\$1,892,351</u>	<u>\$1,836,265</u>	<u>\$1,780,179</u>	<u>\$1,724,093</u>	<u>\$1,939,095</u>	<u>\$23,176,204</u>
9	Average Net Investment		\$1,683,289	\$1,625,725	\$1,568,160	\$1,513,565	\$1,774,180	\$2,032,567	\$1,976,480	\$1,920,394	\$1,864,308	\$1,808,222	\$1,752,136	\$1,831,594	\$21,350,621
10	Return on Average Net Investment														
	a. Equity Component		<u>\$6,768</u>	<u>\$6,537</u>	<u>\$6,305</u>	<u>\$6,086</u>	<u>\$7,134</u>	<u>\$8,173</u>	<u>\$7,767</u>	<u>\$7,547</u>	<u>\$7,326</u>	<u>\$7,106</u>	<u>\$6,885</u>	<u>\$7,198</u>	
	b. Equity Comp. grossed up for taxes (Line 10a/.74655) ^(b)		<u>\$9,066</u>	<u>\$8,756</u>	<u>\$8,446</u>	<u>\$8,152</u>	<u>\$9,556</u>	<u>\$10,947</u>	<u>\$10,404</u>	<u>\$10,109</u>	<u>\$9,813</u>	<u>\$9,518</u>	<u>\$9,223</u>	<u>\$9,641</u>	\$113,631
	c. Debt Component ^(c)		<u>\$1,882</u>	<u>\$1,817</u>	<u>\$1,753</u>	<u>\$1,692</u>	<u>\$1,983</u>	<u>\$2,272</u>	<u>\$2,190</u>	<u>\$2,128</u>	<u>\$2,066</u>	<u>\$2,004</u>	<u>\$1,942</u>	<u>\$2,030</u>	\$23,758
11	Total Return Requirements (Line 10b+10c)		<u>\$10,948</u>	<u>\$10,573</u>	<u>\$10,199</u>	<u>\$9,844</u>	<u>\$11,539</u>	<u>\$13,219</u>	<u>\$12,594</u>	<u>\$12,237</u>	<u>\$11,879</u>	<u>\$11,522</u>	<u>\$11,164</u>	<u>\$11,671</u>	<u>\$137,389</u>
12	Total Depreciation & Return (Line 4+11)		<u>\$68,512</u>	<u>\$68,138</u>	<u>\$67,763</u>	<u>\$61,471</u>	<u>\$62,427</u>	<u>\$69,305</u>	<u>\$68,680</u>	<u>\$68,323</u>	<u>\$67,965</u>	<u>\$67,608</u>	<u>\$67,251</u>	<u>\$70,035</u>	<u>\$807,479</u>

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

^(b) The monthly Equity Component for the Jan - Jun. 2018 period is 4.8251% based on the May 2017 Earnings Surveillance Report and reflects a 10.55% return on equity, and monthly Equity Component for the Jul-Dec. 2018 is 4.7156% based on the 2018 Surveillance Report and reflects a 10.55% on equity.

^(c) The Debt Component for the Jan. - Jun. 2018 period is 1.3413% based on the May 2017 Earnings Surveillance Report and reflects and the Debt Component for the Jul.-Dec.2018 period is 1.3297% based on the May 2018 Earning Surveillance Report.

**FLORIDA POWER & LIGHT COMPANY
 COST RECOVERY CLAUSES**

Equity @ 10.55%	CAPITAL STRUCTURE AND COST RATES PER MAY 2017 EARNINGS SURVEILLANCE REPORT				
	ADJUSTED RETAIL	RATIO	MIDPOINT COST RATES	WEIGHTED COST	PRE-TAX WEIGHTED COST
LONG_TERM_DEBT	8,578,170,782	27.773%	4.53%	1.26%	1.26%
SHORT_TERM_DEBT	876,957,343	2.839%	1.76%	0.05%	0.05%
PREFERRED_STOCK	0	0.000%	0.00%	0.00%	0.00%
CUSTOMER_DEPOSITS	421,323,778	1.364%	2.09%	0.03%	0.03%
COMMON_EQUITY	14,087,418,183	45.610%	10.55%	4.81%	7.83%
DEFERRED_INCOME_TAX INVESTMENT_TAX_CREDITS ZERO COST	6,860,621,618 0	22.212% 0.000%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%
WEIGHTED COST	62,115,684	0.201%	8.27%	0.02%	0.02%
TOTAL	\$30,886,607,389	100.00%		6.17%	9.20%

	CALCULATION OF THE WEIGHTED COST FOR CONVERTIBLE INVESTMENT TAX CREDITS (C-ITC) (a)				
	ADJUSTED RETAIL	RATIO	COST RATE	WEIGHTED COST	PRE TAX COST
LONG TERM DEBT	\$8,578,170,782	37.85%	4.534%	1.716%	1.716%
PREFERRED STOCK	0	0.00%	0.000%	0.000%	0.000%
COMMON EQUITY	14,087,418,183	62.15%	10.550%	6.557%	10.675%
TOTAL	\$22,665,588,966	100.00%		8.273%	12.391%
RATIO					

DEBT COMPONENTS:

LONG TERM DEBT	1.2592%
SHORT TERM DEBT	0.0501%
CUSTOMER DEPOSITS	0.0285%
TAX CREDITS -WEIGHTED	0.0035%
TOTAL DEBT	1.3413%

EQUITY COMPONENTS:

PREFERRED STOCK	0.0000%
COMMON EQUITY	4.8119%
TAX CREDITS -WEIGHTED	0.0132%
TOTAL EQUITY	4.8251%

TOTAL	6.1663%
PRE-TAX EQUITY	7.8552%
PRE-TAX TOTAL	9.1965%

Note:

(a) This capital structure applies only to Convertible Investment Tax Credit (C-ITC)

**CAPITAL STRUCTURE AND COST RATES PER
 MAY 2018 EARNINGS SURVEILLANCE REPORT**

Equity @ 10.55%

	ADJUSTED RETAIL	RATIO	MIDPOINT COST RATES	WEIGHTED COST	PRE-TAX WEIGHTED COST
LONG_TERM_DEBT	9,493,721,402	27.894%	4.33%	1.21%	1.21%
SHORT_TERM_DEBT	1,266,291,093	3.721%	2.42%	0.09%	0.09%
PREFERRED_STOCK	0	0.000%	0.00%	0.00%	0.00%
CUSTOMER_DEPOSITS	403,315,602	1.185%	2.08%	0.02%	0.02%
COMMON_EQUITY	15,115,086,261	44.410%	10.55%	4.69%	6.28%
DEFERRED_INCOME_TAX	7,597,792,885	22.323%	0.00%	0.00%	0.00%
INVESTMENT_TAX_CREDITS ZERO COST	0	0.000%	0.00%	0.00%	0.00%
WEIGHTED COST	159,231,867	0.468%	8.15%	0.04%	0.05%
TOTAL	\$34,035,439,111	100.00%		6.05%	7.65%

CALCULATION OF THE WEIGHTED COST FOR CONVERTIBLE INVESTMENT TAX CREDITS (C-ITC) (a)					
	ADJUSTED RETAIL	RATIO	COST RATE	WEIGHTED COST	PRE TAX COST
LONG TERM DEBT	\$9,493,721,402	38.58%	4.328%	1.670%	1.670%
PREFERRED STOCK	0	0.00%	0.000%	0.000%	0.000%
COMMON EQUITY	15,115,086,261	61.42%	10.550%	6.480%	8.680%
TOTAL	\$24,608,807,663	100.00%		8.150%	10.350%
RATIO					

DEBT COMPONENTS:

LONG TERM DEBT	1.2073%
SHORT TERM DEBT	0.0900%
CUSTOMER DEPOSITS	0.0246%
TAX CREDITS -WEIGHTED	0.0078%
TOTAL DEBT	1.3297%

EQUITY COMPONENTS:

PREFERRED STOCK	0.0000%
COMMON EQUITY	4.6852%
TAX CREDITS -WEIGHTED	0.0303%
TOTAL EQUITY	4.7156%
TOTAL	6.0452%
PRE-TAX EQUITY	6.3165%
PRE-TAX TOTAL	7.6461%

Note:

(a) This capital structure applies only to Convertible Investment Tax Credit (C-ITC)

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

SCHEDULE: CT-2

JANUARY THROUGH DECEMBER 2018			
ACTUAL V. ACTUAL/ESTIMATED FOR THE PERIOD	Actual	Actual/Estimated	Difference
1. Depreciation & Return ⁽¹⁾	\$12,246,199	\$12,305,747	(\$59,548)
2. Payroll & Benefits	\$18,146,994	\$18,705,713	(\$558,719)
3. Materials & Supplies	\$332,672	\$282,459	\$50,213
4. Outside Services	\$10,157,190	\$8,265,864	\$1,891,326
5. Advertising	\$6,750,830	\$8,501,604	(\$1,750,774)
6. Rebates	\$108,283,587	\$111,182,652	(\$2,899,065)
7. Vehicles	\$655,420	\$692,701	(\$37,281)
8. Other	\$2,162,938	\$2,896,934	(\$733,996)
9. Total Adjusted Program Costs	<u>\$158,735,829</u>	<u>\$162,833,674</u>	<u>(\$4,097,845)</u>
10. ECCR Revenues (Net of Revenue Taxes)	\$155,325,838	\$153,828,578	\$1,497,260
11. Prior Period True-up (Collected)/Refunded this Period	\$13,665,996	\$13,665,996	\$0
12. Revenues Applicable to the Period (Line 10 + Line 11)	<u>\$168,991,834</u>	<u>\$167,494,574</u>	<u>\$1,497,260</u>
13. True-up Provision (Under)/Over Recovery - Current Period (Line 12 - Line 9) ⁽¹⁾	\$10,256,005	\$4,660,900	\$5,595,105
14. Interest Provision (Under)/Over Recovery - Current Period ⁽¹⁾	\$431,884	\$391,311	\$40,573
15. True-up and Interest Provision (Under)/Over Recovery - Beginning of Period	\$13,665,996	\$13,665,996	\$0
16. Deferred True-up from Prior Period ⁽¹⁾	\$8,635,987	\$8,635,987	\$0
17. Prior Period True-up (Collected)/Refunded this Period	<u>(\$13,665,996)</u>	<u>(\$13,665,996)</u>	<u>\$0</u>
18. End of Period True-up Amount (Under)/Over Recovery	<u>\$19,323,876</u>	<u>\$13,688,198</u>	<u>\$5,635,677</u>

⁽¹⁾ The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up, and the resulting corrections moving charges from Base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

Total may not add due to rounding.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 3
PARTY: FLORIDA POWER & LIGHT COMPANY
(FPL) – (DIRECT)
DESCRIPTION: Renae Deaton / Anita Sharma
AS-1 DS

FLORIDA POWER LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS BY CATEGORY

SCHEDULE CT-2

JANUARY 2018 THROUGH DECEMBER 2018

	CONSERVATION PROGRAMS	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	TOTAL PROGRAM EXPENSES
1	RESIDENTIAL HOME ENERGY SURVEY	\$175,892	\$4,212,199	\$19,116	\$4,583,531	\$5,313,854	\$0	\$614,336	\$246,984	\$15,165,912
2	RESIDENTIAL CEILING INSULATION	\$0	\$99,241	\$0	\$15,343	\$0	\$608,950	\$0	\$3,949	\$727,483
3	RESIDENTIAL LOAD MANAGEMENT ("ON CALL")	\$8,757,640	\$2,062,596	\$297,495	\$3,446,068	\$0	\$33,176,833	\$10,031	\$647,948	\$48,398,611
4	RESIDENTIAL AIR CONDITIONING	\$0	\$546,656	\$189	\$120,090	\$10,000	\$3,468,114	\$1	\$16,373	\$4,161,423
5	RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$0	\$405,216	\$153	\$60,392	\$0	\$8,800	\$0	\$30,981	\$505,542
6	RESIDENTIAL LOW-INCOME	\$0	\$215,270	\$4,915	\$3,012	\$0	\$73,459	\$0	\$57,237	\$353,892
7	BUSINESS ON CALL	\$431,770	\$42,771	\$11	\$45,028	\$0	\$3,084,215	\$0	\$30,355	\$3,634,150
8	COGENERATION & SMALL POWER PRODUCTION	\$0	\$442,087	\$0	\$0	\$0	\$0	\$0	(\$237,708)	\$204,379
9	BUSINESS LIGHTING	\$0	\$130,125	\$0	\$42,223	\$0	\$697,706	\$0	\$4,781	\$874,835
10	COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$0	\$189,059	\$990	\$45,603	\$0	\$41,000,165	\$1,875	\$21,452	\$41,259,144
11	COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$0	\$254,351	\$2,015	\$24,048	\$0	\$23,251,956	\$1,875	\$30,902	\$23,565,147
12	BUSINESS ENERGY EVALUATION	\$128,078	\$4,270,973	\$2,622	\$982,852	\$1,426,976	\$0	\$14,326	\$283,409	\$7,109,236
13	BUSINESS HEATING VENTILATING & A/C	\$0	\$407,612	\$0	\$147,692	\$0	\$2,792,950	\$5,027	\$17,559	\$3,370,841
14	BUSINESS CUSTOM INCENTIVE	\$0	\$28,400	\$0	\$4,429	\$0	\$120,439	\$0	\$1,659	\$154,927
15	CONSERVATION RESEARCH AND DEVELOPMENT	\$0	\$10,453	\$0	\$0	\$0	\$0	\$0	\$24,041	\$34,494
16	SOLAR PV FOR SCHOOLS	\$1,945,341	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,945,341
17	COMMON EXPENSES	\$807,479	\$4,829,985	\$5,165	\$636,879	\$0	\$0	\$7,948	\$983,016	\$7,270,472
18	RECOVERABLE CONSERVATION EXPENSES	\$12,246,199	\$18,146,994	\$332,671	\$10,157,190	\$6,750,830	\$108,283,587	\$655,420	\$2,162,938	\$158,735,829

Totals may not add due to rounding.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS BY CATEGORY
VARIANCE BY PROJECT

SCHEDULE CT-2

JANUARY 2018 THROUGH DECEMBER 2018

PROGRAM TITLE	Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	TOTAL PROGRAM EXPENSES
1 RESIDENTIAL HOME ENERGY SURVEY	(\$30,991)	\$333,014	(\$4,861)	\$2,603,122	(\$1,614,191)	\$0	\$110,005	(\$339,471)	\$1,056,627
2 RESIDENTIAL CEILING INSULATION	\$0	(\$3,642)	\$0	(\$1,544)	\$0	(\$148,374)	\$0	(\$2,601)	(\$156,161)
3 RESIDENTIAL LOAD MANAGEMENT ("ON CALL")	(\$44,091)	(\$449,485)	\$78,368	(\$462,808)	\$0	(\$638,245)	(\$29,122)	\$59,736	(\$1,485,647)
4 RESIDENTIAL AIR CONDITIONING	\$0	(\$142,170)	(\$2,939)	(\$29,279)	\$10,000	(\$377,249)	(\$17,285)	(\$12,566)	(\$571,488)
5 RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$0	\$44,908	\$41	(\$24,046)	\$0	(\$4,335)	\$0	(\$10,177)	\$6,391
6 RESIDENTIAL LOW-INCOME	\$0	(\$115,657)	(\$8,818)	(\$3,729)	\$0	\$9,148	(\$20,166)	(\$5,085)	(\$144,306)
7 BUSINESS ON CALL	(\$2,098)	(\$3,806)	\$0	(\$11,713)	\$0	\$38,660	\$0	\$8,423	\$29,466
8 COGENERATION & SMALL POWER PRODUCTION	\$0	\$57,382	\$0	(\$6,770)	\$0	\$0	\$0	(\$41,478)	\$9,134
9 BUSINESS LIGHTING	\$0	(\$20,940)	\$0	(\$4,440)	\$0	(\$57,653)	\$0	(\$705)	(\$83,739)
10 COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$0	\$2,723	\$952	\$4,633	\$0	\$529,136	\$1,875	(\$1,586)	\$537,732
11 COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$0	\$8,901	\$1,947	\$7,488	\$0	(\$415,098)	\$1,875	(\$16,568)	(\$411,456)
12 BUSINESS ENERGY EVALUATION	(\$17,197)	(\$189,454)	(\$14,561)	\$214,020	(\$146,583)	\$0	(\$80,341)	(\$403,972)	(\$638,090)
13 BUSINESS HEATING, VENTILATING & A/C	\$0	(\$6,677)	\$0	(\$8,206)	\$0	(\$1,745,691)	\$1,975	(\$13,169)	(\$1,771,767)
14 BUSINESS CUSTOM INCENTIVE	\$0	(\$7,229)	\$0	\$2,515	\$0	(\$89,364)	\$0	\$927	(\$93,151)
15 CONSERVATION RESEARCH & DEVELOPMENT	\$0	(\$4,397)	\$0	(\$126,075)	\$0	\$0	\$0	\$20,563	(\$109,909)
16 SOLAR PV FOR SCHOOLS	\$31,686	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,686
17 COMMON EXPENSES	\$3,143	(\$62,188)	\$85	(\$261,845)	\$0	\$0	(\$6,097)	\$23,735	(\$303,168)
18 RECOVERABLE CONSERVATION EXPENSES	(\$59,549)	(\$558,718)	\$50,212	\$1,891,324	(\$1,750,774)	(\$2,899,065)	(\$37,281)	(\$733,994)	(\$4,097,845)

Note: Totals may not add due to rounding.

SCHEDULE CT-2

Energy Conservation Cost Recovery (ECCR) Account Numbers
 For the Period: January through December 2018

Program	Account
Residential Home Energy Survey	408172
	907100
	908110
	909101
	910100
	925112
	926211
Residential Ceiling Insulation	408172
	908110
	925112
	926211
Residential Load Management ("On Call")	408172
	587200
	592800
	598140
	907100
	908110
	925112
926211	
Residential Air Conditioning	408172
	907100
	908110
	925112
	926211
Residential New Construction (BuildSmart®)	408172
	908110
	925112
	926211
Residential Low Income	408172
	907100
	908110
	925112
	926211
Business On Call	408172
	587200
	908110
	910100
	925112
	926211

SCHEDULE CT-2

Energy Conservation Cost Recovery (ECCR) Account Numbers
 For the Period: January through December 2018

Program	Account
Cogeneration & Small Power Production	408172
	908110
	925112
	926211
Business Lighting	408172
	908110
	925112
	926211
Commercial/Industrial Load Control	408172
	908110
	910100
	925112
	926211
C/I Demand Reduction	408172
	908110
	910100
	925112
	926211
Business Energy Evaluation	408172
	907100
	908110
	909101
	910100
	925112
Business HVAC	408172
	908110
	925112
	926211
Business Custom Incentive	408172
	908110
	925112
	926211
Conservation Research & Development	408172
	908110
	910100
	925112
	926211
Common Expenses	408172
	907100
	908110
	910100
	925112
	926211

FLORIDA POWER LIGHT COMPANY
ENERGY CONSERVATION COST RECOVERY
CONSERVATION PROGRAM COSTS

SCHEDULE CT-3

JANUARY 2018 THROUGH DECEMBER 2018

Line No.	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
1 RESIDENTIAL HOME ENERGY SURVEY	\$511,139	\$521,250	\$576,351	\$529,307	\$1,732,896	\$211,543	\$717,560	\$3,179,938	\$2,685,273	\$1,118,273	\$1,462,276	\$1,919,916	\$15,165,722
2 RESIDENTIAL CEILING INSULATION	\$24,832	\$57,972	\$61,678	\$61,656	\$69,807	\$75,613	\$77,219	\$109,194	\$60,410	\$62,759	\$41,768	\$24,763	\$727,673
3 RESIDENTIAL LOAD MANAGEMENT ("ON CALL")	\$3,456,744	\$3,335,332	\$3,393,915	\$4,604,751	\$4,676,871	\$4,526,190	\$4,524,294	\$4,684,096	\$4,456,381	\$4,548,941	\$3,143,709	\$3,047,385	\$48,398,610
4 RESIDENTIAL AIR CONDITIONING	\$317,335	\$299,027	\$394,758	\$364,214	\$457,580	\$389,344	\$426,865	\$429,756	\$326,730	\$327,117	\$268,539	\$160,158	\$4,161,423
5 RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$41,572	\$42,431	\$50,557	\$40,059	\$46,041	\$35,230	\$41,037	\$48,003	\$34,938	\$42,071	\$39,958	\$43,647	\$505,542
6 RESIDENTIAL LOW-INCOME	\$37,333	\$47,389	\$44,769	\$43,795	\$46,774	\$27,921	\$33,663	\$20,354	\$14,069	\$12,543	\$10,466	\$14,817	\$353,892
7 BUSINESS ON CALL	\$43,235	\$43,770	\$55,200	\$481,253	\$487,729	\$487,740	\$484,738	\$490,573	\$483,431	\$494,693	\$41,198	\$40,591	\$3,634,151
8 COGENERATION & SMALL POWER PRODUCTION	\$11,889	\$25,556	\$3,254	\$11,151	\$12,359	\$11,660	\$24,744	\$26,131	\$18,352	\$19,141	\$21,786	\$18,355	\$204,379
9 BUSINESS LIGHTING	\$77,003	\$37,630	\$236,694	\$60,968	\$51,608	\$82,113	\$108,267	\$161,350	\$24,121	\$12,171	\$10,791	\$12,119	\$874,834
10 COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$3,117,196	\$2,428,245	\$2,520,850	\$3,338,444	\$2,787,854	\$5,550,412	\$3,612,736	\$3,015,119	\$3,002,532	\$3,656,249	\$3,564,582	\$4,664,926	\$41,259,144
11 COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$1,466,550	\$1,515,901	\$1,551,448	\$1,723,136	\$2,017,022	\$2,165,588	\$2,228,639	\$2,303,232	\$2,318,880	\$2,368,326	\$2,083,909	\$1,822,517	\$23,565,148
12 BUSINESS ENERGY EVALUATION	\$278,464	\$390,288	\$425,704	\$565,342	\$468,787	\$116,961	\$507,869	\$1,135,885	\$846,621	\$646,830	\$527,098	\$1,199,387	\$7,109,236
13 BUSINESS HEATING, VENTILATING & A/C	\$647,271	\$310,875	\$217,286	\$330,524	\$190,518	\$279,830	\$536,442	\$275,834	\$102,582	\$247,443	\$179,657	\$52,578	\$3,370,841
14 BUSINESS CUSTOM INCENTIVE	\$2,405	\$2,090	\$3,765	\$2,203	\$3,676	\$12,193	\$3,535	\$4,354	\$81,408	\$34,274	\$2,681	\$2,343	\$154,927
15 CONSERVATION RESEARCH & DEVELOPMENT	\$17,063	(\$8,395)	\$1,453	\$1,297	\$1,481	\$1,341	(\$309)	\$0	\$0	\$20,563	\$0	\$0	\$34,494
16 SOLAR PV FOR SCHOOLS	\$172,922	\$171,926	\$170,930	\$169,935	\$168,939	\$167,943	\$166,667	\$165,691	\$157,403	\$149,161	\$145,140	\$138,683	\$1,945,341
17 COMMON EXPENSES	\$572,088	\$545,030	\$634,981	\$714,662	\$574,630	\$613,317	\$549,267	\$606,656	\$507,811	\$596,200	\$602,322	\$753,509	\$7,270,472
18 TOTAL PROGRAM EXPENSES	<u>\$10,795,040</u>	<u>\$9,766,318</u>	<u>\$10,343,594</u>	<u>\$13,042,696</u>	<u>\$13,794,573</u>	<u>\$14,754,939</u>	<u>\$14,043,234</u>	<u>\$16,656,165</u>	<u>\$15,120,943</u>	<u>\$14,356,754</u>	<u>\$12,145,880</u>	<u>\$13,915,695</u>	<u>\$158,735,829</u>

Totals may not add due to rounding.

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

JANUARY 2018 THROUGH DECEMBER 2018

	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. Conservation Clause Revenues (Net of Revenue Taxes)	11,811,597	11,080,002	11,022,765	11,523,671	12,516,078	13,443,667	14,818,743	15,264,572	14,582,147	14,778,714	12,968,323	11,515,559	155,325,838
2. Total Revenues	\$11,811,597	\$11,080,002	\$11,022,765	\$11,523,671	\$12,516,078	\$13,443,667	\$14,818,743	\$15,264,572	\$14,582,147	\$14,778,714	\$12,968,323	\$11,515,559	\$155,325,838
3. Adjustment Not Applicable To Period - Prior True-up	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$1,138,833	\$13,665,996
4. Conservation Revenues Applicable To Period (Line 2+ 3)	\$12,950,430	\$12,218,835	\$12,161,598	\$12,662,504	\$13,654,911	\$14,582,500	\$15,957,576	\$16,403,405	\$15,720,980	\$15,917,547	\$14,107,156	\$12,654,392	\$168,991,834
5. Conservation Expenses (CT-3 Page 8, Line 18) ⁽¹⁾	10,795,040	9,766,318	10,343,594	13,042,696	13,794,573	14,754,939	14,043,234	16,656,165	15,120,943	14,356,754	12,145,880	13,915,695	158,735,829
6. True-up This Period (Line 4- Line 5) ⁽¹⁾	\$2,155,391	\$2,452,517	\$1,818,004	(\$380,191)	(\$139,662)	(\$172,439)	\$1,914,341	(\$252,760)	\$600,037	\$1,560,793	\$1,961,276	(\$1,261,303)	\$10,256,004
7. Interest Provision ⁽¹⁾	\$28,893	\$30,805	\$36,296	\$38,102	\$35,998	\$35,245	\$35,963	\$35,514	\$35,954	\$38,400	\$40,429	\$40,285	\$431,884
8. True-up & Interest Provision Beginning of Month	13,665,996	14,711,447	16,055,936	16,771,403	15,290,480	14,047,983	12,771,957	13,583,428	12,227,349	11,724,507	12,184,867	13,047,739	13,665,996
8a. Deferred True-up Beginning of Period ⁽¹⁾	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987	8,635,987
9. Prior True-up Collected/(Refunded)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(1,138,833)	(13,665,996)
10. End of Period True-up- Over/(Under) Recovery (Line 6+7+8+8a+9)	\$23,347,434	\$24,691,923	\$25,407,390	\$23,926,467	\$22,683,971	\$21,407,944	\$22,219,415	\$20,863,336	\$20,360,494	\$20,820,854	\$21,683,727	\$19,323,875	\$19,323,875

Note : Totals may not add due to rounding.
() Reflects under-recovery

⁽¹⁾The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up and the resulting corrections moving charges from base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

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

JANUARY 2018 THROUGH DECEMBER 2018

	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
INTEREST PROVISION													
1. Beginning True-Up Amount (Page 9, Line 8 + 8a)	22,301,983	23,347,434	24,691,923	25,407,390	23,926,467	22,683,971	21,407,944	22,219,415	20,863,336	20,360,494	20,820,854	21,683,727	N/A
2. Ending True-Up Amount Before Interest (Page 9, Line 6 + 8 + 8a +9)	23,318,541	24,661,118	25,371,094	23,888,366	22,647,972	21,372,699	22,183,452	20,827,822	20,324,540	20,782,454	21,643,297	19,283,591	N/A
3. Total of Beginning & Ending True-Up (Line 1 + 2)	\$45,620,524	\$48,008,552	\$50,063,018	\$49,295,755	\$46,574,440	\$44,056,670	\$43,591,397	\$43,047,237	\$41,187,876	\$41,142,948	\$42,464,151	\$40,967,317	N/A
4. Average True-Up Amount (50% of Line 3)	\$22,810,262	\$24,004,276	\$25,031,509	\$24,647,878	\$23,287,220	\$22,028,335	\$21,795,698	\$21,523,619	\$20,593,938	\$20,571,474	\$21,232,076	\$20,483,659	N/A
5. Interest Rate - First Day of Reporting Business Month	1.58000%	1.46000%	1.62000%	1.86000%	1.85000%	1.86000%	1.98000%	1.98000%	1.98000%	2.21000%	2.27000%	2.30000%	N/A
6. Interest Rate - First Day of Subsequent Business Month	1.46000%	1.62000%	1.86000%	1.85000%	1.86000%	1.98000%	1.98000%	1.98000%	2.21000%	2.27000%	2.30000%	2.42000%	N/A
7. Total (Line 5 + 6)	3.04000%	3.08000%	3.48000%	3.71000%	3.71000%	3.84000%	3.96000%	3.96000%	4.19000%	4.48000%	4.57000%	4.72000%	N/A
8. Average Interest Rate (50% of Line 7)	1.52000%	1.54000%	1.74000%	1.85500%	1.85500%	1.92000%	1.98000%	1.98000%	2.09500%	2.24000%	2.28500%	2.36000%	N/A
9. Monthly Average Interest Rate (Line 8 / 12)	0.12667%	0.12833%	0.14500%	0.15458%	0.15458%	0.16000%	0.16500%	0.16500%	0.17458%	0.18667%	0.19042%	0.19667%	N/A
10. Interest Provision for the Month (Line 4 x 9)	\$28,893	\$30,805	\$36,296	\$38,102	\$35,998	\$35,245	\$35,963	\$35,514	\$35,954	\$38,400	\$40,429	\$40,285	\$431,884

Note: Totals may not add due to rounding.

SCHEDULE CT-5

Reconciliation and Explanation of
Differences between Filing and FPSC Audit
Report for the Months: January – December 2018

The Audit has not been completed as of the date of this filing

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 4
PARTY: FLORIDA POWER & LIGHT COMPANY
(FPL) – (DIRECT)
DESCRIPTION: Anita Sharma AS-1 S

SCHEDULE CT-6

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 Ceiling Insulation

This program encourages customers to improve the home's thermal efficiency.

3. 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.

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 that achieve BuildSmart® certification and move towards ENERGY STAR® qualifications.

6. Residential Low Income

This program assists low income customers through state Weatherization Assistance Provider (WAP) agencies and FPL-conducted Energy Retrofits.

7. 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.

8. Cogeneration and Small Power Production

This program facilitates the interconnection and administration of contracts for co-generators and small power producers.

9. Business Lighting

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

10. 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.

11. 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.

SCHEDULE CT-6

FPL DSM Program & Pilot Descriptions (cont'd)

12. 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

13. Business Heating, Ventilating & AC (HVAC)

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

14. Business Custom Incentive (BCI)

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

15. Conservation Research & Development (CRD) Project

This project consists of research studies designed to: identify new energy efficient technologies; evaluate and quantify their impacts on energy, demand and customers; and where appropriate and cost-effective, incorporate an emerging technology into a DSM program.

16. Business Photovoltaic 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. This pilot was discontinued on December 31, 2015. There will be capital depreciation and return costs for this pilot until 2020 when ownership of the last PV systems is transferred to their respective customers.

17. Common Expenses

For administrative efficiency this includes all costs that are not specifically attributable to a particular program.

SCHEDULE CT-6

Florida Power & Light Company
 Program Progress
 January through December 2018

Pgm No	Program Title	Accomplishments		2018 Cost & Variance v. Actual/Estimate ¹
		2018	Inception through December 2018	
1	Residential Home Energy Survey	Participants = 66,409	Participants = 3,980,992	Total = \$15,165,912 Variance= \$1,056,627
2	Residential Ceiling Insulation	Participants = 3,378	Participants = 579,096	Total = \$727,483 Variance= (\$156,161)
3	Residential Load Management ("On Call")	Participants = 7,771	Participants = 710,643	Total = \$48,398,610 Variance= (\$1,485,646)
4	Residential Air Conditioning	Participants = 23,125	Participants = 1,950,130	Total = \$4,161,423 Variance= (\$571,488)
5	Residential New Construction (BuildSmart®)	Participants = 3,514	Participants = 47,528	Total = \$505,542 Variance= \$6,391
6	Residential Low-Income	Participants = 2,295	Participants = 14,686	Total = \$353,892 Variance= (\$144,306)
7	Business On Call	kW = 757	MW = 79	Total = \$3,634,151 Variance= \$29,466
8	Cogeneration & Small Power Production	Firm MW = 444 GWh Purchased = 1,109 Firm = 4 ; As Available = 10	MW Under Contract = 444 MW Committed = 444	Total = \$204,379 Variance= \$9,134
9	Business Lighting	kW = 9,657	kW = 305,864	Total = \$874,834 Variance= (\$83,739)
10	Commercial/Industrial Load Control	Closed to new participants	MW = 466	Total = \$41,259,144 Variance= \$537,732
11	Commercial/Industrial Demand Reduction	kW= 38,771	MW = 315	Total = \$23,565,148 Variance= (\$411,456)
12	Business Energy Evaluation	Participants = 8,510	Participants = 247,509	Total = \$7,109,236 Variance= (\$638,091)
13	Business Heating, Ventilating & AC	kW = 6,110	kW = 414,741	Total = \$3,370,841 Variance= (\$1,771,767)
14	Business Custom Incentive	kW = 621	kW = 54,802	Total = \$154,927 Variance= (\$93,151)
15	Conservation Research & Development	Not Applicable	Not Applicable	Total = \$34,494 Variance= (\$109,909)
16	Business Photovoltaic for Schools Pilot	Not Applicable	Not Applicable	Total = \$1,945,341 Variance= \$31,686
17	Common Expenses	Not Applicable	Not Applicable	Total = \$7,270,472 Variance= (\$303,168)

Notes: (1) Variance where actuals less than Actual/Estimate shown with ()
 kW and MW reduction are at the generator

SCHEDULE CT-6

Business Custom Incentive Cost Effectiveness Test Results

Customer	Rate Impact Measure Test (RIM)	Total Resource Cost Test (TRC)	Participant Test
1	1.74	3.08	1.96
2	1.24	3.20	2.84
3	1.32	1.90	1.66
4	1.44	1.71	1.35

SCHEDULE CT-6

**Customers that no longer participate on FPL's Commercial/Industrial Load Control (CILC) and
Commercial/Industrial Demand Reduction Rates (CDR) (January through December 2018)**

<u>Customer Name</u>	<u>Effective Date</u>	<u>Prior Rate</u>	<u>Firm Rate</u>	<u>Remarks</u>
Customer No. 1	01/19/2018	CILC	Not Applicable	Account Final Billed
Customer No. 2	06/11/2018	CILC	Not Applicable	Account Final Billed
Customer No. 3	02/28/2018	CILC	Not Applicable	Account Final Billed
Customer No. 4	08/22/2018	CILC	Not Applicable	No Longer Qualified
Customer No. 5	10/02/2018	CILC	Not Applicable	Account Final Billed
Customer No. 6	10/02/2018	CILC	Not Applicable	Account Final Billed
Customer No. 7	10/02/2018	CILC	Not Applicable	Account Final Billed
Customer No. 8	03/27/2018	CDR	Not Applicable	Account Final Billed
Customer No. 9	03/27/2018	CDR	Not Applicable	Account Final Billed
Customer No. 10	03/27/2018	CDR	Not Applicable	Account Final Billed
Customer No. 11	03/27/2018	CDR	Not Applicable	Account Final Billed
Customer No. 12	09/20/2018	CDR	Not Applicable	Account Final Billed

SCHEDULE CT-6

CONSERVATION RESEARCH & DEVELOPMENT (“CRD”) PROGRAM

CRD is an umbrella program under which FPL researches a wide variety of new technologies to evaluate their potential for reductions in peak load and energy as well as customer bill savings. Florida’s climatic conditions are unique so the studies must reflect the effects of the hot and humid environment. Favorable evaluation results can lead to incorporation in FPL’s DSM programs. Examples of technologies that have been included are: Energy Recovery Ventilators; Demand Control Ventilation; and Residential Air Conditioning Duct Plenum Sealing.

FPL partners with the Florida Solar Energy Center (“FSEC”) and engineering departments of several Florida universities in its research projects. In 2018, FPL continued its evaluation of next generation load management software and hardware technologies. FPL also participates in relevant co-funded projects through the U.S. Department of Energy (“DOE”) and the Electric Power Research Institute (“EPRI”). This co-funding enables FPL to gain learnings from larger research projects at a fraction of the total cost. In 2018, FPL continued its participation in EPRI’s on-going readiness assessment of multiple technologies in various stages of development which enables comparisons among these technologies.

APPENDIX A



See how you can save

Residential

\$300 annual residential customer savings based on the following:

- Replace four 60-Watt standard light bulbs that you use four hours a day with LED bulbs
 - Save \$29 a year
- Replace one 60-Watt standard light bulb that you leave on 12 hours a night for security with an LED bulb
 - Save \$22 a year
- Replace old showerheads with water-efficient models to cut your hot water usage
 - Save \$80 a year in a home with two occupants
- Reduce your water heater temperature by 20 degrees – lower the temperature from 140 degrees to 120 degrees
 - Save about \$10 a year
- Turn the fan off when leaving a room – savings based on stopping one ceiling fan from running all the time
 - Save about \$85 a year
- Use cold water instead of hot water when using your washing machine
 - Save \$30 a year
- Use a power strip to turn off your desktop computer and accessories when not in use

- Save \$24 a year
- Install a smart thermostat
 - Save \$50 a year on your cooling costs
- Enroll in our On Call® Program (</save/programs/on-call.html>)
 - Save up to \$137 a year

Business

\$500 annual business customer savings based on the following:

- \$397 per year, attributed to an average business customer with a 10 ton A/C, replacing a 10 EER with a 12 EER unit, with the unit operating 3,869 hours per year
- \$140 per year, attributed to an average business customer enrolled in the Business On Call® program with a 10 ton A/C unit at \$2 per ton per month savings for seven months (April - October)

RADIO

SWEEPS RADIO 30:

Es fácil ganarle al calor cuando eres un experto en ahorro de energía.

Ahora, cuando tomas el Estudio Online Residencial de FPL puedes aprender cómo bajar tu cuenta—aun cuando tu aire acondicionado trabaja al máximo para mantenerte fresco.

Además, podrás ganar una renovación de tecnología inteligente para tu hogar valorada en \$10,000.

Para tu chance de ganar, visita FPL.com/GanaleAlCalor

SWEEPS RADIO :15

Hazte en un experto en ahorro de energía con el Estudio Online Residencial de FPL... y podrás ganar una renovación de tecnología inteligente para tu hogar valorada en \$10,000.

Para tu chance de ganar, visita FPL.com/GanaleAlCalor

RCS :30

Es fácil ganarle al calor cuando te conviertes en un experto de energía usando las herramientas inteligentes de FPL. Con el Estudio Online Residencial y la app móvil, puedes aprender cómo mantener tu cuenta baja – aun cuando tu aire acondicionado trabaja al máximo para mantenerte fresco. Y puedes ver tu cuenta proyectada para poder estimarla antes de que te llegue la próxima. Toma el Estudio Online Residencial en FPL.com/GanaleAlCalor y ahorra hasta \$300 al año.

RCS :15

Es fácil ganarle al calor cuando te conviertes en un experto de energía con el Estudio Online Residencial y la app móvil de FPL. Visita FPL.com/GanaleAlCalor y aprende cómo ahorrar hasta \$300 al año.

RCS :10

Es fácil ganarle al calor con el Estudio Online Residencial de FPL. Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com/GanaleAlCalor.

RCS :05

Toma el Estudio Online Residencial en FPL.com/GanaleAlCalor.

RCS :30

It's easy to Beat the Heat
when you become an energy saving expert with FPL smart tools.
With the Online Home Energy Survey and the FPL Mobile App,
you can learn how to keep your bill low—
even when your A/C is working overtime to keep you cool.
And view your Projected Bill to see what your bill might be before it's due,
so you can do something about it.
Take the Online Home Energy Survey at FPL.com/BeatTheHeat
and save up to \$300 a year.

RCS :15

It's easy to Beat the Heat
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with the Online Home Energy Survey and the FPL Mobile App!
Go to FPL.com/BeatTheHeat to see how you could save up to \$300 a year.

RCS :10

It's easy to Beat the Heat
with the Online Home Energy Survey!
See how you could save up to \$300 a year at FPL.com/BeatTheHeat.

RCS :05

Take FPL's Online Home Energy Survey at FPL.com/BeatTheHeat.

BRAND	FPL	DATE	August 16, 2018
CONVERSATION	Sweepstakes TV & Radio		

SWEEPS RADIO 30:

It's easy to beat the heat when you become an energy-saving expert.

Now, when you take the Online Home Energy Survey, you can learn how to lower your bill—even when your A/C is working overtime to keep you cool—

PLUS get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

SWEEPS RADIO :15

Become an energy expert with the Online Home Energy Survey...and get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

ECCR : 30

AVO: It's easy to Beat the Heat when you become an energy-saving expert.

Dad: Hey, Lorenzo! Whatcha doing?

Lorenzo: Saving energy with the FPL mobile app.

AVO: Now, you can learn how to keep your bill low—even when your A/C is working overtime to keep you cool—
and view your Projected Bill before it's due, so you can do something about it,
like take the Online Home Energy Survey!
Go to FPL.com/BeatTheHeat and see how you can save energy and money.

Grandma: Save up to \$300 a year!

	ECCR : 15 V1
AVO:	<p>It's easy to Beat the Heat when you become an energy-saving expert with the FPL mobile app and the Online Home Energy Survey.</p> <p>Go to FPL.com/BeatTheHeat to see how you can save up to \$300 a year!</p>

SWEEPS TV :30

VO: There's a new voice that's helping Floridians everywhere beat the heat.

CUSTOMER: Alexa, ask FPL—how can I lower my FPL bill?

ALEXA: Set your air conditioner to 78 degrees.

VO: Become an energy expert with the Online Home Energy Survey...and get your chance to win a ten-thousand-dollar smart home energy makeover, with energy-efficient upgrades for your home.

CUSTOMER: Who's the energy saving expert now?

ALEXA: Well, that would be you.

VO: For your chance to win, go to FPL.com/BeatTheHeat.

SWEEPS TV :15

There's a new voice that's helping Floridians everywhere beat the heat.

Become an energy expert with the Online Home Energy Survey...

and get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

RCS :30

It's easy to Beat the Heat
when you become an energy saving expert with FPL smart tools.
With the Online Home Energy Survey and the FPL Mobile App,
you can learn how to keep your bill low—
even when your A/C is working overtime to keep you cool.
And view your Projected Bill to see what your bill might be before it's due,
so you can do something about it.
Take the Online Home Energy Survey at FPL.com/BeatTheHeat
and save up to \$300 a year.

RCS :15

It's easy to Beat the Heat
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with the Online Home Energy Survey and the FPL Mobile App!
Go to FPL.com/BeatTheHeat to see how you could save up to \$300 a year.

RCS :10

It's easy to Beat the Heat
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See how you could save up to \$300 a year at FPL.com/BeatTheHeat.

RCS :05

Take FPL's Online Home Energy Survey at FPL.com/BeatTheHeat.

BRAND	FPL	DATE	August 16, 2018
CONVERSATION	Sweepstakes TV & Radio		

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It's easy to beat the heat when you become an energy-saving expert.

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PLUS get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

SWEEPS RADIO :15

Become an energy expert with the Online Home Energy Survey...and get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

CLIENT	FPL	DATE	July 11, 2017
PROJECT	Sweeps / RCS / BEE	LENGTH	:30 & :15

BEE TV :30

There's something smart helping business owners become energy-saving experts.

Now, you can see how your energy use changes over time...

... and with the new FPL mobile app, you can view your projected bill before it's due...

...and then go online to find new ways to save...

...by scheduling a free, in-person Business Energy Evaluation.

Schedule your evaluation today at FPL.com/BizEasyToSave...

...and see how our smart tools can help you save up to \$500 a year.

BEE TV :15

There's something smart helping business owners become energy-saving experts.

With FPL smart tools and the new FPL mobile app, you can find new ways to save.

Schedule a free Business Energy Evaluation today...

...to see how you can save up to \$500 a year.

	ECCR : 30
AVO:	<p>Es fácil ganarle al calor cuando te conviertes en un experto de energía.</p> <p>Ahora puedes aprender cómo mantener tu cuenta baja – aun cuando tu aire acondicionado está trabajando al máximo para mantenerte fresco.</p> <p>Puedes ver un estimado de tu cuenta proyectada, para hacer algo al respecto, si es necesario</p> <p>¡Como tomar el Estudio Online Residencial!</p> <p>Visita FPL.com diagonal Ganale Al Calor y aprende cómo puedes ganarle al calor y a tu cuenta.</p>

	ECCR : 15 V1
AVO:	<p>Es fácil ganarle al calor cuando te conviertes en un experto de energía con la app móvil y con el Estudio Online Residencial de FPL.</p> <p>Visita FPL.com diagonal Ganale Al Calor y aprende cómo ahorrar hasta \$300 al año.</p>

SPA Sweeps :15

¡Hazte un experto en ahorro de energía con el Estudio Online Residencial de FPL! Participa y podrás ganar una renovación de tecnología inteligente para tu hogar valorada en \$10,000.

Aprende más en FPL.com/GanaleAlCalor

ECCR : 30

AVO: It's easy to Beat the Heat when you become an energy-saving expert.

Dad: Hey, Lorenzo! Whatcha doing?

Lorenzo: Saving energy with the FPL mobile app.

AVO: Now, you can learn how to keep your bill low—even when your A/C is working overtime to keep you cool—
and view your Projected Bill before it's due, so you can do something about it,
like take the Online Home Energy Survey!
Go to FPL.com/BeatTheHeat and see how you can save energy and money.

Grandma: Save up to \$300 a year!

	ECCR : 15 V1
AVO:	<p>It's easy to Beat the Heat when you become an energy-saving expert with the FPL mobile app and the Online Home Energy Survey.</p> <p>Go to FPL.com/BeatTheHeat to see how you can save up to \$300 a year!</p>

SWEEPS TV :30

VO: There's a new voice that's helping Floridians everywhere beat the heat.

CUSTOMER: Alexa, ask FPL—how can I lower my FPL bill?

ALEXA: Set your air conditioner to 78 degrees.

VO: Become an energy expert with the Online Home Energy Survey...and get your chance to win a ten-thousand-dollar smart home energy makeover, with energy-efficient upgrades for your home.

CUSTOMER: Who's the energy saving expert now?

ALEXA: Well, that would be you.

VO: For your chance to win, go to FPL.com/BeatTheHeat.

SWEEPS TV :15

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Become an energy expert with the Online Home Energy Survey...

and get your chance to win a \$10,000 smart home energy makeover.

For your chance to win, visit FPL.com/BeatTheHeat

RCS :30 Radio

Floridians everywhere are turning into energy experts with new smart tools from FPL. With your online energy dashboard and the new FPL mobile app, you can stay on top of your energy use, anytime, anywhere. And with the new Projected Bill feature... you have time to learn how to save even more! Take the Online Home Energy Survey at FPL.com/EasyToSave and you could save up to \$300 a year.

RCS :15 Radio

Floridians everywhere are turning into energy experts with new smart tools from FPL and the Online Home Energy Survey! Learn how you could save up to \$300 a year at FPL.com/EasyToSave.

RCS :10 Radio

Floridians everywhere are turning into energy experts with the Online Home Energy Survey! Learn how you could save up to \$300 a year at FPL.com/EasyToSave.

RCS :05 Radio

Take the FPL Online Home Energy Survey at FPL.com/EasyToSave.

RCS :30 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL.

Con tu panel personal de energía y la nueva app de FPL, puedes revisar tu uso de energía, cuando sea y donde sea.

Y hasta poder estimar tu cuenta...

...para aprender como ahorrar aún más!

Toma el Estudio Online Residencial en FPL.com diagonal Ahorros y puedes ahorrar hasta \$300 al año.

RCS :15 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL y el Estudio Online Residencial.

Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com diagonal Ahorros

RCS :10 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía.

Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com diagonal Ahorros.

RCS :05 RADIO SPA

Toma el Estudio Online Residencial hoy en FPL.com diagonal Ahorros.

CLIENT	FPL	DATE	July 6, 2017
PROJECT	ECCR / Sweeps	LENGTH	:30

RCS 1: NEIGHBORS TV :30

Floridians everywhere are turning into energy experts with new smart tools from FPL.

Now, you can stay on top of your energy use, anytime, anywhere.

You can even see what your bill will be...

...so you have time if you need to do something about it.

Like take the Online Home Energy Survey to learn how to save up to \$300 a year.

See what everyone is talking about and take the survey today at [FPL.com/EasyToSave!](http://FPL.com/EasyToSave)

RCS: NEIGHBORS TV :15 V1

Floridians everywhere are turning into energy experts with new smart tools from FPL.

Now, you can stay on top of your energy use, anytime, anywhere.

And take Online Home Energy Survey at FPL.com/EasyToSave to learn how to save up to \$300 a year.

Sweeps TV :30

VO: There’s a new voice that’s turning Floridians everywhere into energy experts.

CUSTOMER: Alexa, ask FPL—how can I lower my FPL bill?

ALEXA: Set your air conditioner to 78 degrees.

VO: And now, with the Online Home Energy Survey, you can get your chance to win weekly prizes including the new ecobee4 smart thermostat, with Amazon Alexa—and a ten-thousand-dollar grand prize!

CUSTOMER: Who’s the energy saving expert now?

ALEXA: Well, that would be you.

VO: For your chance to win, visit FPL.com/EasyToSave.

Sweeps TV :15

VO: FPL smart tools are turning Floridians everywhere into energy experts.

VO: And now, with the Online Home Energy Survey, you can get your chance to win weekly prizes and a ten-thousand-dollar grand prize!

VO: For your chance to win, visit FPL.com/EasyToSave.

RCS 1: NEIGHBORS :30 TV SPA

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL.

Ahora, puedes revisar tu uso de energía, cuando sea y donde sea.

Hasta puedes ver un estimado de tu cuenta...

...y así tienes tiempo para hacer algo al respecto, si es necesario—

—como tomar el Estudio Online Residencial y aprender cómo ahorrar hasta \$300 al año.

¡Completa el estudio hoy en FPL.com diagonal Ahorros!

RCS: NEIGHBORS TV :15 SPA

Algo está convirtiendo a personas en todas partes en expertos de energía.

Ahora con FPL, puedes revisar tu uso de energía, cuando sea y donde sea.

Y tomar el Estudio Online Residencial para aprender cómo ahorrar hasta \$300 al año.

RCS: ALEXA + SWEEPSTAKES :15 TV SPA

Ahorrar energía es su propio premio.

Cuando tomas el Estudio Online Residencial...puedes ganar premios semanales...y un premio mayor valorado en \$10,000 dólares!

Para tu chance de ganar, visita FPL.com/Ahorros

CLIENT	FPL	DATE	July 6, 2017
PROJECT	ECCR / Sweeps	LENGTH	:30

RCS 1: NEIGHBORS TV :30

Floridians everywhere are turning into energy experts with new smart tools from FPL.

Now, you can stay on top of your energy use, anytime, anywhere.

You can even see what your bill will be...

...so you have time if you need to do something about it.

Like take the Online Home Energy Survey to learn how to save up to \$300 a year.

See what everyone is talking about and take the survey today at [FPL.com/EasyToSave!](http://FPL.com/EasyToSave)

RCS: NEIGHBORS TV :15 V1

Floridians everywhere are turning into energy experts with new smart tools from FPL.

Now, you can stay on top of your energy use, anytime, anywhere.

And take Online Home Energy Survey at FPL.com/EasyToSave to learn how to save up to \$300 a year.

Sweeps TV :30

VO: There’s a new voice that’s turning Floridians everywhere into energy experts.

CUSTOMER: Alexa, ask FPL—how can I lower my FPL bill?

ALEXA: Set your air conditioner to 78 degrees.

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VO: FPL smart tools are turning Floridians everywhere into energy experts.

VO: And now, with the Online Home Energy Survey, you can get your chance to win weekly prizes and a ten-thousand-dollar grand prize!

VO: For your chance to win, visit FPL.com/EasyToSave.

RCS :30 Radio

Floridians everywhere are turning into energy experts with new smart tools from FPL. With your online energy dashboard and the new FPL mobile app, you can stay on top of your energy use, anytime, anywhere. And with the new Projected Bill feature... you have time to learn how to save even more! Take the Online Home Energy Survey at FPL.com/EasyToSave and you could save up to \$300 a year.

RCS :15 Radio

Floridians everywhere are turning into energy experts with new smart tools from FPL and the Online Home Energy Survey! Learn how you could save up to \$300 a year at FPL.com/EasyToSave.

RCS :10 Radio

Floridians everywhere are turning into energy experts with the Online Home Energy Survey! Learn how you could save up to \$300 a year at FPL.com/EasyToSave.

RCS :05 Radio

Take the FPL Online Home Energy Survey at FPL.com/EasyToSave.

RCS :30 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL.

Con tu panel personal de energía y la nueva app de FPL, puedes revisar tu uso de energía, cuando sea y donde sea.

Y hasta poder estimar tu cuenta...

...para aprender como ahorrar aún más!

Toma el Estudio Online Residencial en FPL.com diagonal Ahorros y puedes ahorrar hasta \$300 al año.

RCS :15 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL y el Estudio Online Residencial.

Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com diagonal Ahorros

RCS :10 Radio SPA

La gente de la Florida se están convirtiendo en expertos de energía.

Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com diagonal Ahorros.

RCS :05 RADIO SPA

Toma el Estudio Online Residencial hoy en FPL.com diagonal Ahorros.

RCS 1: NEIGHBORS :30

La gente de la Florida se están convirtiendo en expertos de energía con las nuevas herramientas inteligentes de FPL.

Ahora, puedes revisar tu uso de energía, cuando sea y donde sea.

Hasta puedes ver un estimado de tu cuenta...

...y así tienes tiempo para hacer algo al respecto, si es necesario—

—como tomar el Estudio Online Residencial y aprender cómo ahorrar hasta \$300 al año.

¡Completa el estudio hoy en FPL.com diagonal Ahorros!

RCS: NEIGHBORS TV :15

Algo está convirtiendo a personas en todas partes en expertos de energía.

Ahora con FPL, puedes revisar tu uso de energía, cuando sea y donde sea.

Y tomar el Estudio Online Residencial para aprender cómo ahorrar hasta \$300 al año.

CLIENT	FPL	DATE	July 2, 2018
PROJECT	RCS Radio – Beat the Heat	LENGTH	:30, :15, :10, :05

RCS :30

It’s easy to Beat the Heat
 when you become an energy saving expert with FPL smart tools.
 With the Online Home Energy Survey and the FPL Mobile App,
 you can learn how to keep your bill low—
 even when your A/C is working overtime to keep you cool.
 And view your Projected Bill to see what your bill might be before it’s due,
 so you can do something about it.
 Take the Online Home Energy Survey at FPL.com/BeatTheHeat
 and save up to \$300 a year.

RCS :15

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 Go to FPL.com/BeatTheHeat to see how you could save up to \$300 a year.

RCS :10

It’s easy to Beat the Heat
 with the Online Home Energy Survey!
 See how you could save up to \$300 a year at FPL.com/BeatTheHeat.

RCS :05

Take FPL’s Online Home Energy Survey at FPL.com/BeatTheHeat.

CLIENT	FPL	DATE	July 2, 2018
PROJECT	RCS Radio – Beat the Heat	LENGTH	:30, :15, :10, :05

RCS :30

Es fácil ganarle al calor cuando te conviertes en un experto de energía usando las herramientas inteligentes de FPL. Con el Estudio Online Residencial y la app móvil, puedes aprender cómo mantener tu cuenta baja – aun cuando tu aire acondicionado trabaja al máximo para mantenerte fresco. Y puedes ver tu cuenta proyectada para poder estimarla antes de que te llegue la próxima. Toma el Estudio Online Residencial en FPL.com/GanaleAlCalor y ahorra hasta \$300 al año.

RCS :15

Es fácil ganarle al calor cuando te conviertes en un experto de energía con el Estudio Online Residencial y la app móvil de FPL. Visita FPL.com/GanaleAlCalor y aprende cómo ahorrar hasta \$300 al año.

RCS :10

Es fácil ganarle al calor con el Estudio Online Residencial de FPL. Aprende cómo puedes ahorrar hasta \$300 al año en FPL.com/GanaleAlCalor.

RCS :05

Toma el Estudio Online Residencial en FPL.com/GanaleAlCalor.

	ECCR : 30
AVO:	<p>Es fácil ganarle al calor cuando te conviertes en un experto de energía.</p> <p>Ahora puedes aprender cómo mantener tu cuenta baja – aun cuando tu aire acondicionado está trabajando al máximo para mantenerte fresco.</p> <p>Puedes ver un estimado de tu cuenta proyectada, para hacer algo al respecto, si es necesario</p> <p>¡Como tomar el Estudio Online Residencial!</p> <p>Visita FPL.com diagonal Ganale Al Calor y aprende cómo puedes ganarle al calor y a tu cuenta.</p>

	ECCR : 15 V1
AVO:	<p>Es fácil ganarle al calor cuando te conviertes en un experto de energía con la app móvil y con el Estudio Online Residencial de FPL.</p> <p>Visita FPL.com diagonal Ganale Al Calor y aprende cómo ahorrar hasta \$300 al año.</p>

SPA Sweeps :15

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BRAND	FPL	DATE	August 16, 2018
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\$5.86
Daily Avg

Projected Bill
\$102.61

30

Total Service Days

85°

Avg Temp
(°F)

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Projected Bill
\$102.61

10

85°
Avg Temp
(°F)

30

Total Service Days

\$5.86

Daily Avg.

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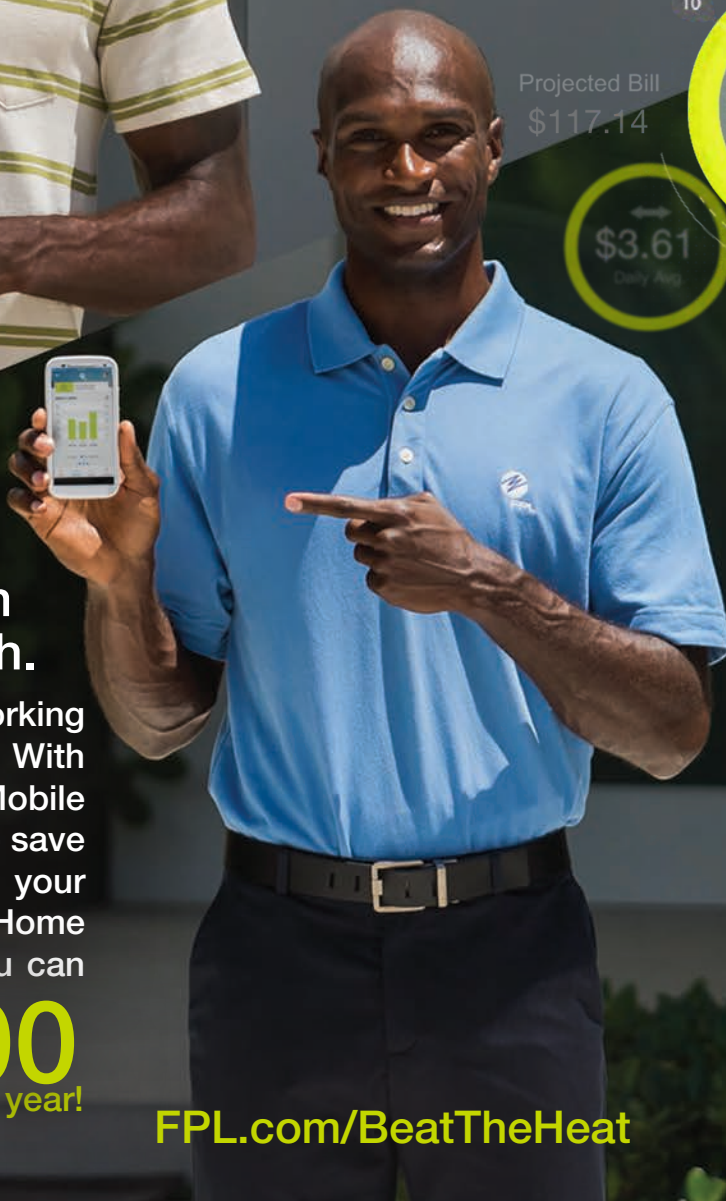
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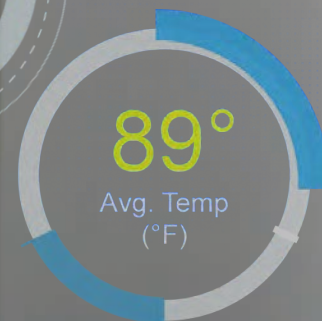
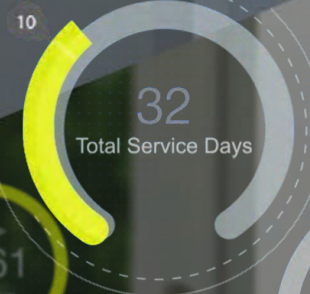
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Projected Bill
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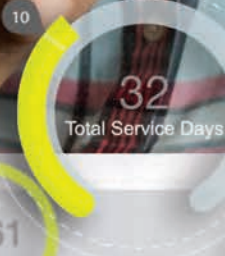
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Projected Bill
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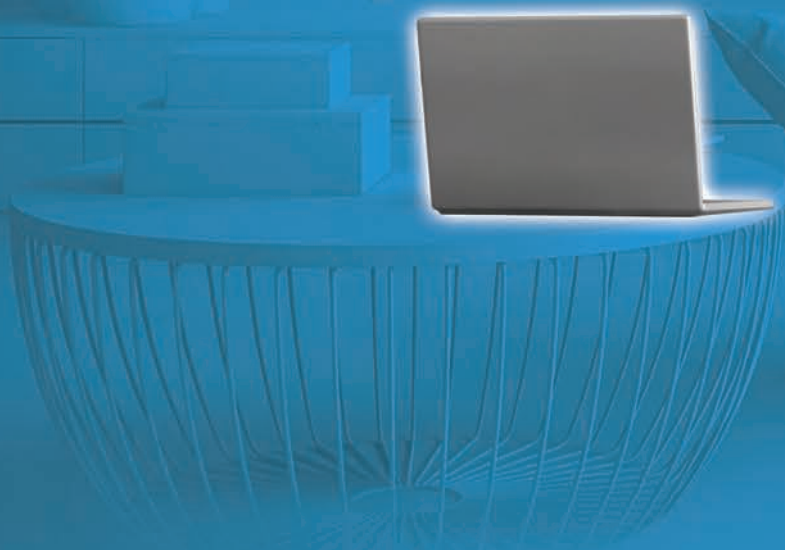
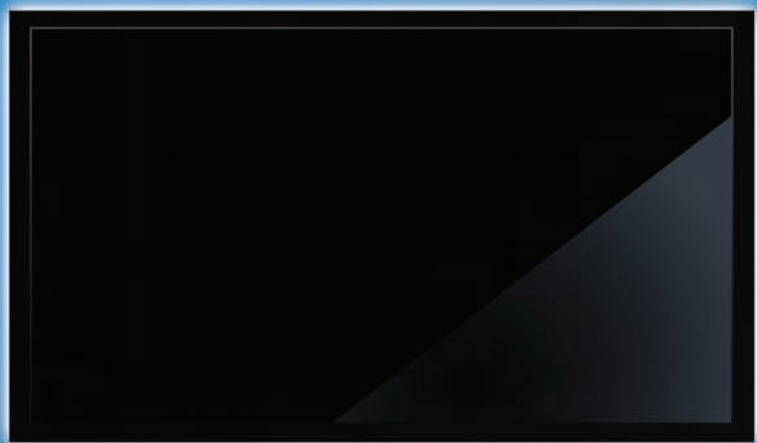


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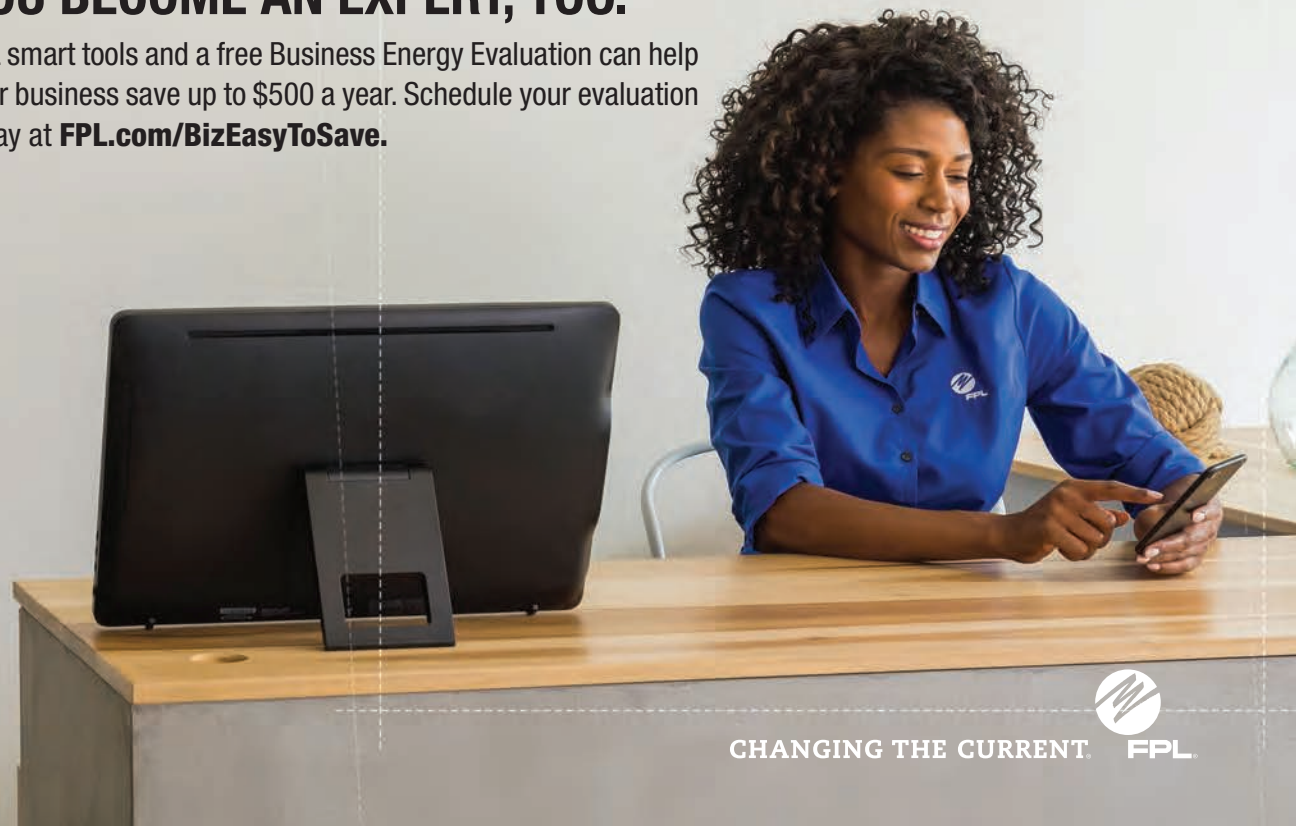
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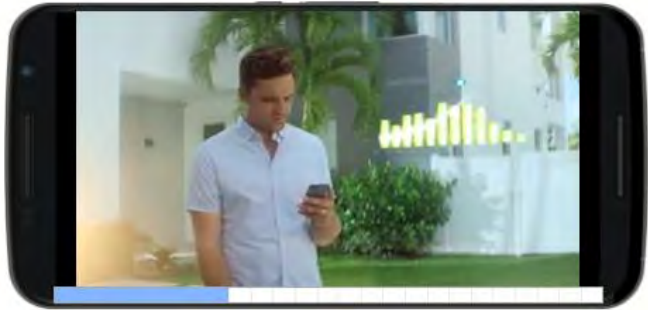
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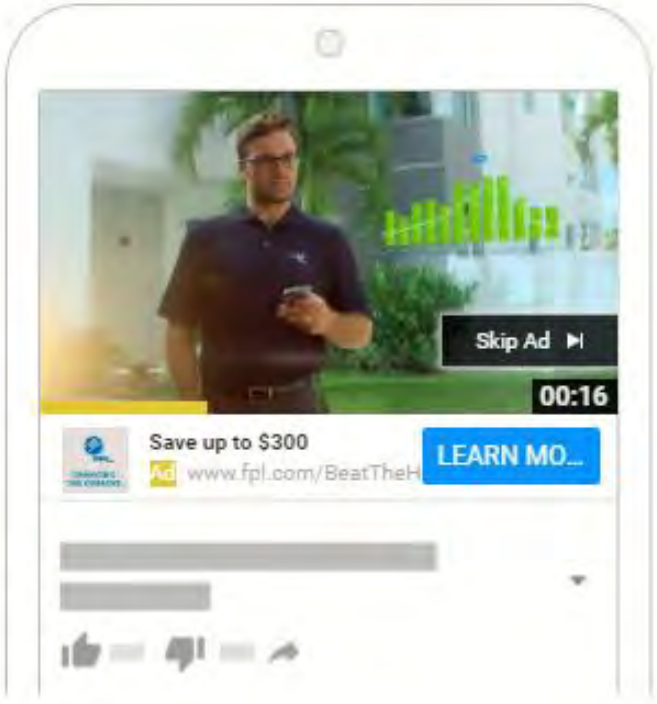
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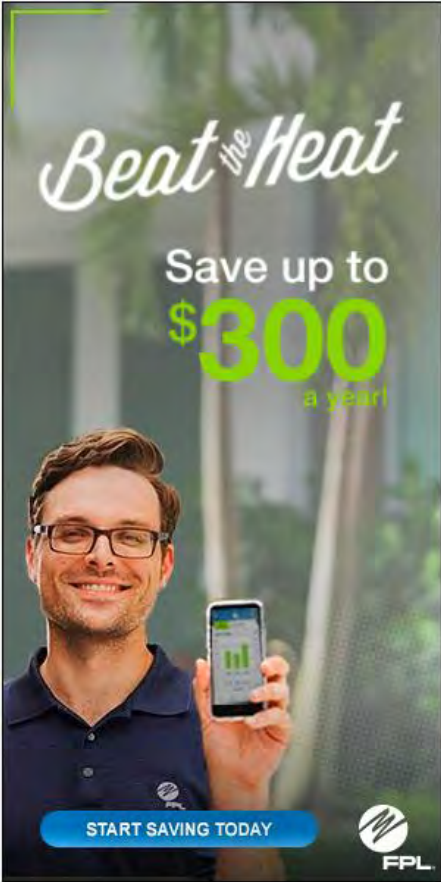
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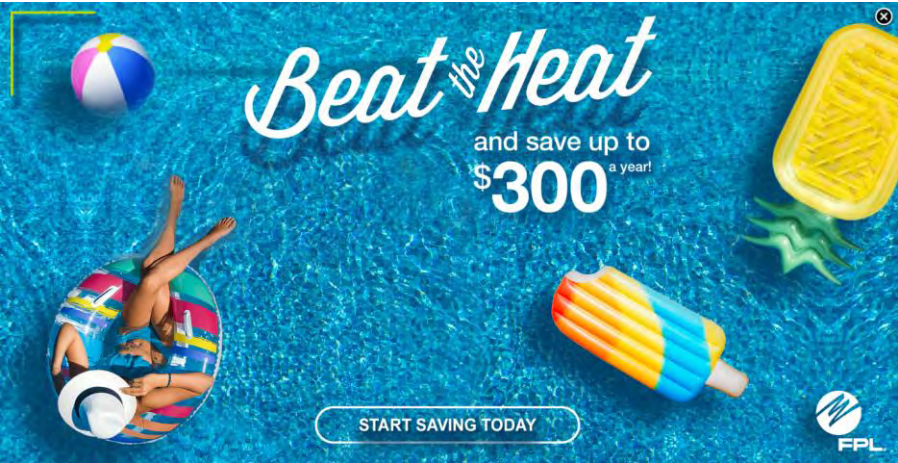
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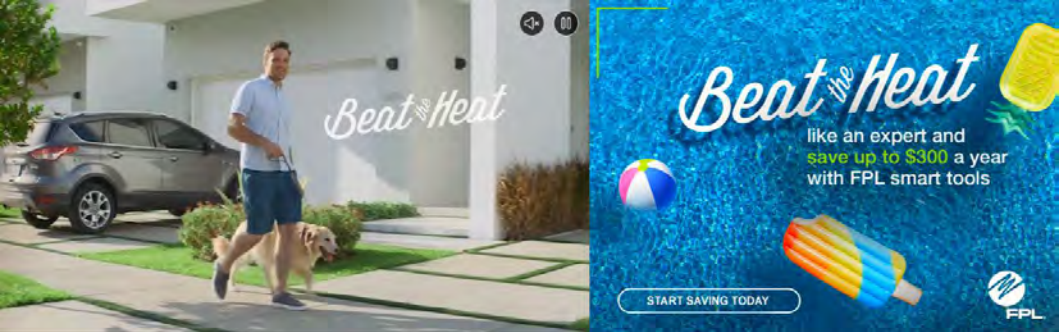
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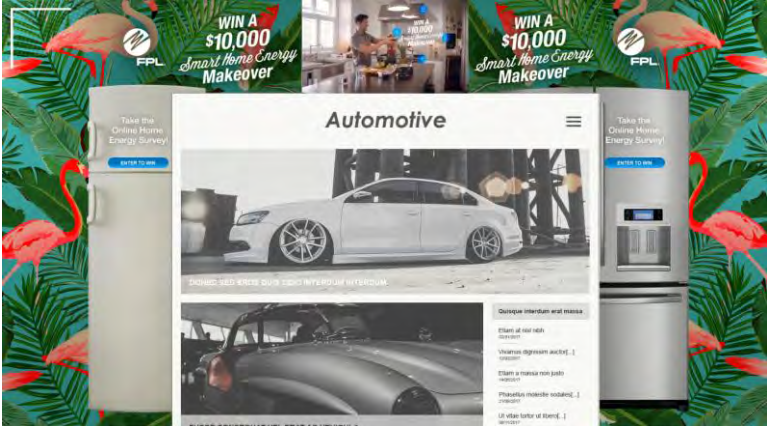
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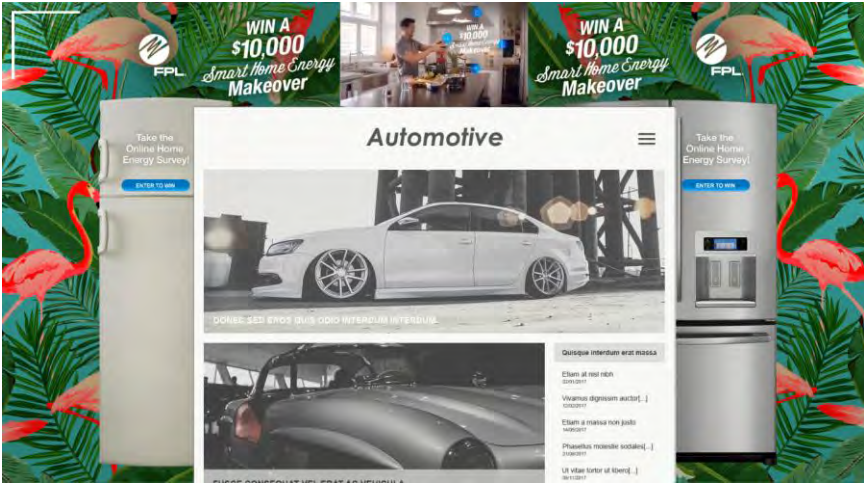


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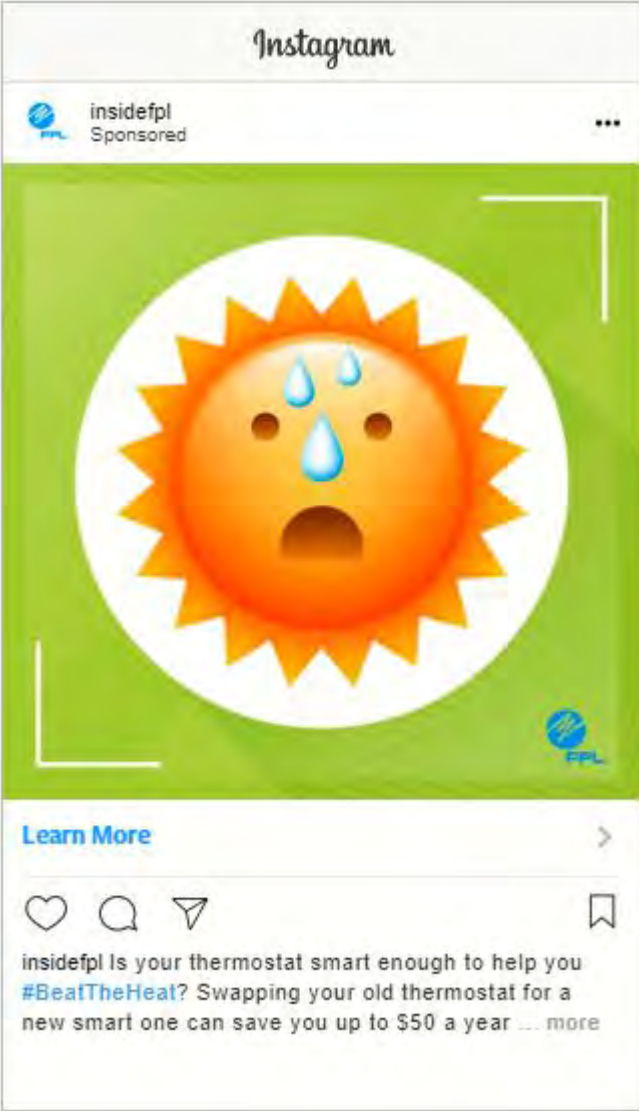
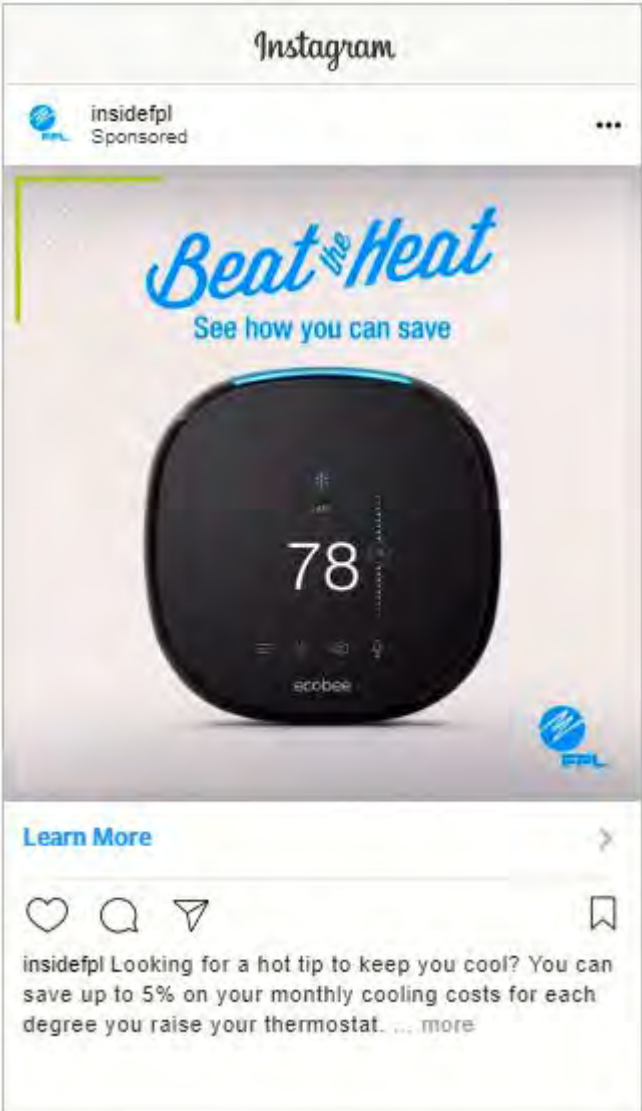
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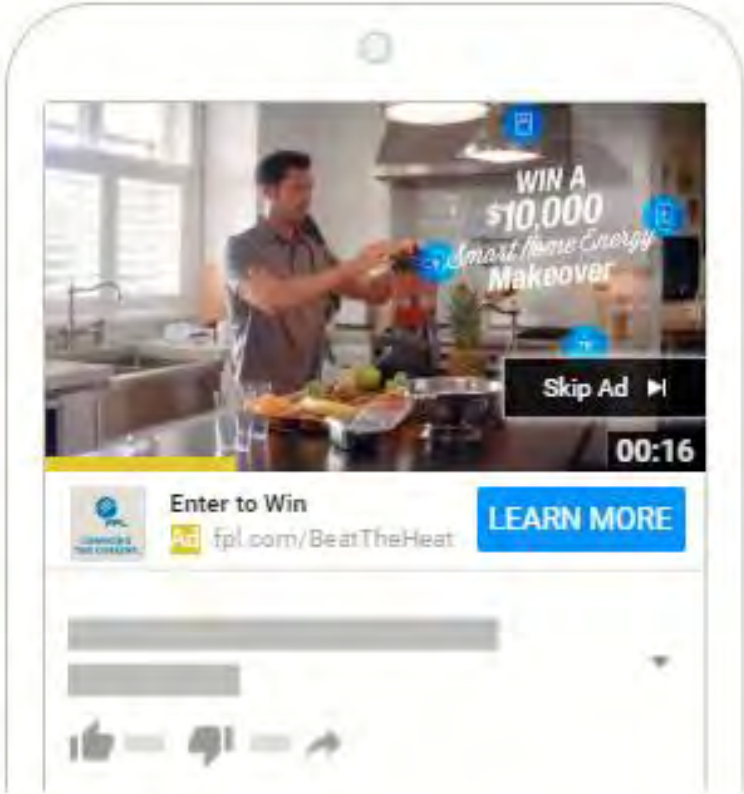
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FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
SUMMARY OF ECCR CALCULATION

SCHEDULE C-1

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	Total
1. Projected Costs (Schedule C-2, pg 5, line 18)	159,380,407
2. True-up Over/(Under) Recoveries (Schedule C-3, pg 24, line 9)	<u>13,569,877</u>
3. Subtotal (line 1 minus line 2)	145,810,530
4. Less Load Management Incentives Not Subject To Revenue Taxes ^(a)	<u>104,761,933</u>
5. Project Costs Subject To Revenue Taxes (line 3 minus line 4)	41,048,597
6. Revenue Tax Multiplier	1.00072
7. Subtotal (line 5 * line 6)	<u>41,078,152</u>
8. Total Recoverable Costs (line 7+ line 4)	<u>145,840,085</u>
9. Total Cost	145,840,085
10. Energy Related Costs	31,807,722
11. Demand-Related Costs (total)	114,032,362
12. Demand costs allocated on 12 CP (Line 11/13 * 12)	105,260,642
13. Demand Costs allocated on 1/13 th (Line 11/13)	8,771,720

^(a) Schedule C-2, Page 6, Rebates Column, Program Nos. 3,7,10,11

Costs are split in proportion to the current period split of demand-related (78.19%) and energy-related (21.81%) costs. The allocation of ECCR between demand and energy is shown on schedule C-2, page 5, and is consistent with methodology set forth in Order No. PSC-93-1845-FOF-EG.

Note: Totals may not add due to rounding.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 5
PARTY: FLORIDA POWER & LIGHT COMPANY
(FPL) – (DIRECT)
DESCRIPTION: Renae Deaton AS-2 D

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
CALCULATION OF ENERGY DEMAND ALLOCATION % BY RATE CLASS

SCHEDULE C-1

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
RATE CLASS	AVG 12CP Load Factor at Meter (%) (1)	Projected Sales at Meter (kWh) (2)	Projected AVG 12CP at Meter (kW) (3)	Demand Loss Expansion Factor (4)	Energy Loss Expansion Factor (5)	Projected Sales at Generation (kWh) (6)	Projected AVG 12CP at Generation (kW) (7)	Percentage of Sales at Generation (%) (8)	Percentage of Demand at Generation (%) (9)
RS1/RTR1	62.589%	59,460,277,210	10,844,890	1.05968205	1.04536835	62,157,891,878	11,492,136	53.70564%	57.76011%
GS1/GST1	63.937%	6,318,956,205	1,128,210	1.05968205	1.04536835	6,605,636,822	1,195,544	5.70740%	6.00887%
GSD1/GSDT1/HLFT1	72.046%	27,177,649,229	4,306,235	1.05961769	1.04531916	28,409,317,463	4,562,963	24.54621%	22.93370%
OS2	166.456%	11,404,137	782	1.03776783	1.02880687	11,732,654	812	0.01014%	0.00408%
GSLD1/GSLDT1/CS1/CST1/HLFT2	72.350%	9,978,343,665	1,574,402	1.05887368	1.04479831	10,425,356,598	1,667,093	9.00771%	8.37890%
GSLD2/GSLDT2/CS2/CST2/HLFT3	86.886%	2,567,503,407	337,333	1.05102316	1.03886422	2,667,287,424	354,544	2.30459%	1.78196%
GSLD3/GSLDT3/CS3/CST3	82.905%	312,336,004	43,007	1.02272339	1.01738204	317,765,041	43,984	0.27456%	0.22107%
SST1T	102.028%	83,436,125	9,335	1.02272339	1.01738204	84,886,415	9,547	0.07334%	0.04799%
SST1D1/SST1D2/SST1D3	59.719%	2,044,616	391	1.04075563	1.03005290	2,106,063	407	0.00182%	0.00204%
CILC D/CILC G	87.093%	2,684,992,306	351,929	1.05097974	1.03888173	2,789,389,452	369,870	2.41009%	1.85899%
CILC T	93.902%	1,372,501,622	166,852	1.02272339	1.01738204	1,396,358,500	170,644	1.20648%	0.85767%
MET	78.120%	80,453,173	11,756	1.03776783	1.02880687	82,770,777	12,200	0.07152%	0.06132%
OL1/SL1/SL1M/PL1	12,054.711%	625,271,399	592	1.05968205	1.04536835	653,638,931	627	0.56476%	0.00315%
SL2/SL2M/GSCU1	97.212%	128,154,944	15,049	1.05968205	1.04536835	133,969,122	15,947	0.11575%	0.08015%
Total		110,803,324,042	18,790,763			115,738,107,139	19,896,318	100.00000%	100.00000%

(1) AVG 12 CP load factor based on 2016-2018 load research data and 2020 projections

(2) Projected kWh sales for the period January 2020 through December 2020

(3) Calculated Col (3)/(8760 hours * Col (2), 8760 = annual hours

(4) Based on projected 2020 demand losses

(5) Based on projected 2020 energy losses

(6) Col (3) * Col (6)

(7) Col(4) * Col(5)

(8) Col (7) / total for Col (7)

(9) Col (8) / total for Col (8)

Note: Totals may not add due to rounding.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
CALCULATION OF ENERGY CONSERVATION FACTORS

SCHEDULE C-1

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
RATE CLASS	Percentage of Sales at Generation (%) ⁽¹⁾	Percentage of Demand at Generation (%) ⁽²⁾	Demand Costs Allocated on 12CP ⁽³⁾	Demand Costs Allocated on 1/13th ⁽⁴⁾	Energy Allocation (\$) ⁽⁵⁾	Total Recoverable Costs (\$) ⁽⁶⁾	Projected Sales at Meter (kWh) (factors) ⁽⁷⁾	Billing KW Load Factor (%) ⁽⁸⁾	Projected Billed KW at Meter (kw) ⁽⁹⁾	Conservation Recovery Factor (\$/kw) ₍₁₀₎	Conservation Recovery Factor (\$/kWh) ⁽¹¹⁾	RDC (\$/KW) ⁽¹²⁾	SDD (\$/KW) ⁽¹³⁾
RS1/RTR1	53.70564%	57.76011%	60,798,665	4,710,909	17,082,541	82,592,115	59,460,277,210	-	-	-	0.00139	-	-
GS1/GST1	5.70740%	6.00887%	6,324,976	500,637	1,815,394	8,641,007	6,318,956,205	-	-	-	0.00137	-	-
GSD1/GSDT1/HLFT1	24.54621%	22.93370%	24,140,164	2,153,125	7,807,590	34,100,879	27,177,649,229	51.30483%	72,565,597	0.47	-	-	-
OS2	0.01014%	0.00408%	4,294	889	3,224	8,408	11,404,137	-	-	-	0.00074	-	-
GSLD1/GSLDT1/CS1/CST1/HLFT2	9.00771%	8.37890%	8,819,684	790,131	2,865,148	12,474,964	9,978,343,665	58.43225%	23,392,843	0.53	-	-	-
GSLD2/GSLDT2/CS2/CST2/HLFT3	2.30459%	1.78196%	1,875,702	202,152	733,037	2,810,891	2,567,503,407	65.78614%	5,346,305	0.53	-	-	-
GSLD3/GSLDT3/CS3/CST3	0.27456%	0.22107%	232,696	24,083	87,330	344,109	312,336,004	67.48470%	634,007	0.54	-	-	-
SST1T	0.07334%	0.04799%	50,510	6,433	23,329	80,273	83,436,125	19.21029%	594,973	-	-	\$0.06	\$0.03
SST1D1/SST1D2/SST1D3	0.00182%	0.00204%	2,152	160	579	2,890	2,044,616	19.97912%	14,019	-	-	\$0.06	\$0.03
CILC D/CILC G	2.41009%	1.85899%	1,956,781	211,406	766,594	2,934,781	2,684,992,306	71.17771%	5,167,448	0.57	-	-	-
CILC T	1.20648%	0.85767%	902,784	105,829	383,754	1,392,367	1,372,501,622	75.43684%	2,492,336	0.56	-	-	-
MET	0.07152%	0.06132%	64,546	6,273	22,747	93,567	80,453,173	56.46258%	195,191	0.48	-	-	-
OL1/SL1/SL1M/PL1	0.56476%	0.00315%	3,320	49,539	179,636	232,495	625,271,399	-	-	-	0.00037	-	-
SL2/SL2M/GSCU1	0.11575%	0.08015%	84,368	10,153	36,818	131,340	128,154,944	-	-	-	0.00102	-	-
Total			105,260,642	8,771,720	31,807,722	145,840,085	110,803,324,042		110,402,719				

⁽¹⁾ Obtained from Schedule C-1, page 3, col (9)

⁽²⁾ Obtained from Schedule C-1, page 3, col (10)

⁽³⁾ Total from C-1, page 2, line 12 x col (3)

⁽⁴⁾ Total from C-1, page 2, line 13 X col (2)

⁽⁵⁾ Total from C-1, page 2, line 10 X col (2)

⁽⁶⁾ Total Recoverable Costs col (4) + (5) + (6)

⁽⁷⁾ Projected kWh sales for the period January 2020 through December 2020, from C-1, page 3, total of column 3

⁽⁸⁾ Based on 2016-2018 load research data and 2020 projections

⁽⁹⁾ Col (8)/(col (9)*730)

⁽¹⁰⁾ Col (7) / col(10)

⁽¹¹⁾ Col (7) / col (8)

⁽¹²⁾ (C-1 pg 4, total col (7) / C-1, pg 3, total col (8) x .10 x C-1, pg 3, col (6))/12

⁽¹³⁾ ((C-1 pg 4, total col (7) / C-1, pg 3, total col (8)) / 21 x C-1, pg 3, col (6))/12

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
CALCULATION OF ENERGY CONSERVATION COST RECOVERY REVENUES

SCHEDULE C-4

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED

MONTH	Projected Sales at Meter (kWh)	Conservation Clause Revenues (Net of Revenue Taxes) ^(a)
January Actual	8,337,950,598	11,445,799
February Actual	7,316,838,243	10,780,594
March Actual	7,690,923,943	11,475,545
April Actual	8,335,833,686	11,926,055
May Actual	9,132,052,597	13,053,272
June Actual	10,150,322,754	14,567,722
July Estimated	10,839,231,698	15,380,627
August Estimated	10,866,566,527	15,419,414
September Estimated	10,587,934,385	15,024,042
October Estimated	9,898,111,995	14,045,199
November Estimated	8,490,529,849	12,047,872
December Estimated	8,113,588,354	11,513,000
Total	109,759,884,629	156,679,141

^(a) Revenue tax for the period is .072% regulatory assesement fee.

FLORIDA POWER AND LIGHT COMPANY
 ENERGY CONSERVATION RECOVERY
 CONSERVATION PROGRAM COSTS

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

PROGRAMS	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	\$14,042,441	\$0	\$607,830	\$532,898	\$573,882	\$679,728	\$1,788,223	\$1,625,359	\$1,772,656	\$1,614,224	\$1,578,485	\$1,601,958	\$945,202	\$721,996	\$14,042,441
2 RESIDENTIAL CEILING INSULATION	\$451,182	\$0	\$28,069	\$19,387	\$50,531	\$34,750	\$46,096	\$72,153	\$71,911	\$69,498	\$58,786	\$0	\$0	\$0	\$451,182
3 RESIDENTIAL LOAD MANAGEMENT (ON CALL)	\$0	\$46,633,385	\$3,149,728	\$3,217,586	\$3,236,493	\$4,460,963	\$4,382,066	\$4,385,001	\$4,384,333	\$4,429,416	\$4,417,828	\$4,472,598	\$3,012,075	\$3,085,299	\$46,633,385
4 RESIDENTIAL AIR CONDITIONING	\$2,840,484	\$0	\$183,792	\$156,495	\$289,224	\$295,031	\$376,024	\$452,140	\$368,523	\$442,709	\$276,546	\$0	\$0	\$0	\$2,840,484
5 RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$560,743	\$0	\$60,599	\$64,040	\$63,645	\$58,737	\$68,977	\$60,976	\$63,075	\$59,818	\$60,876	\$0	\$0	\$0	\$560,743
6 RESIDENTIAL LOW-INCOME	\$972,533	\$0	\$78,427	\$137,197	\$165,041	\$167,769	\$112,861	\$53,635	\$48,072	\$37,835	\$39,651	\$46,416	\$42,470	\$43,160	\$972,533
7 BUSINESS ON CALL	\$0	\$3,109,326	\$41,926	\$42,916	\$43,115	\$480,703	\$478,608	\$479,758	\$481,155	\$481,482	\$482,363	\$9,092	\$43,669	\$44,538	\$3,109,326
8 COGENERATION & SMALL POWER PRODUCTION	\$95,422	\$0	\$9,254	\$6,456	\$8,937	\$8,894	\$8,065	\$8,894	\$9,854	\$8,065	\$8,849	\$8,982	\$8,021	\$1,151	\$95,422
9 BUSINESS LIGHTING	\$487,838	\$0	\$87,210	\$24,480	\$55,732	\$28,685	\$77,427	\$32,375	\$72,959	\$90,518	\$18,452	\$0	\$0	\$0	\$487,838
10 COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$0	\$41,071,174	\$2,985,526	\$2,458,874	\$2,573,889	\$3,178,218	\$3,132,798	\$5,871,861	\$3,266,742	\$3,104,530	\$2,927,325	\$3,449,441	\$3,023,766	\$5,098,204	\$41,071,174
11 COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$0	\$28,611,878	\$1,719,362	\$1,747,335	\$1,751,420	\$2,556,981	\$2,653,558	\$2,776,713	\$2,831,776	\$2,899,137	\$2,886,592	\$2,917,164	\$1,956,698	\$1,915,142	\$28,611,878
12 BUSINESS ENERGY EVALUATION	\$8,012,352	\$0	\$528,881	\$500,743	\$531,141	\$534,921	\$775,695	\$941,031	\$822,683	\$767,815	\$834,047	\$707,603	\$511,870	\$555,923	\$8,012,352
13 BUSINESS HEATING, VENTILATING & A/C	\$5,193,575	\$0	\$302,094	\$543,080	\$115,550	\$330,375	\$434,640	\$911,463	\$1,146,205	\$392,339	\$338,174	\$174,505	\$211,333	\$293,817	\$5,193,575
14 BUSINESS CUSTOM INCENTIVE	\$31,959	\$0	\$2,655	\$2,329	\$3,009	\$2,659	\$2,516	\$2,634	\$2,751	\$2,541	\$3,084	\$2,594	\$2,476	\$2,713	\$31,959
15 CONSERVATION RESEARCH & DEVELOPMENT	\$257,591	\$0	\$572	\$572	\$63,148	\$648	\$618	\$63,648	\$677	\$618	\$63,148	\$1,148	\$618	\$62,177	\$257,591
16 BUSINESS PHOTOVOLTAIC FOR SCHOOLS PILOT	\$374,782	\$0	\$35,763	\$35,538	\$35,313	\$35,088	\$34,863	\$34,638	\$34,413	\$34,188	\$33,963	\$33,738	\$16,848	\$10,431	\$374,782
17 COMMON EXPENSES	\$1,447,116	\$5,186,624	\$484,636	\$472,015	\$730,372	\$527,849	\$486,905	\$539,737	\$572,121	\$479,589	\$530,296	\$578,200	\$562,770	\$669,250	\$6,633,740
18 TOTAL RECOVERABLE EXPENSES	\$34,768,019	\$124,612,388	\$10,306,325	\$9,961,940	\$10,290,441	\$13,382,000	\$14,859,938	\$18,312,017	\$15,949,907	\$14,914,322	\$14,558,463	\$14,003,436	\$10,337,816	\$12,503,802	\$159,380,407

Note: Totals may not add due to rounding.

FLORIDA PUBLIC SERVICE COMMISSION
 DOCKET: 20190002-EG EXHIBIT: 6
 PARTY: FLORIDA POWER & LIGHT COMPANY
 (FPL) – (DIRECT)
 DESCRIPTION: Renae Deaton / Anita Sharma
 AS-2 DS

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
CONSERVATION PROGRAM COSTS BY CATEGORY

SCHEDULE C-2

Line No.	Conservation Program	ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020								TOTAL PROGRAM EXPENSES
		Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	
1	RESIDENTIAL HOME ENERGY SURVEY	\$590,840	\$4,038,272	\$9,936	\$1,551,192	\$6,653,475	\$0	\$252,900	\$945,826	\$14,042,441
2	RESIDENTIAL CEILING INSULATION	\$0	\$76,797	\$0	\$0	\$0	\$366,245	\$0	\$8,140	\$451,181
3	RESIDENTIAL LOAD MANAGEMENT (ON CALL)	\$8,377,008	\$1,883,459	\$202,021	\$4,330,765	\$0	\$33,119,921	\$59,362	(\$1,339,150)	\$46,633,386
4	RESIDENTIAL AIR CONDITIONING	\$0	\$221,810	\$0	\$3,451	\$0	\$2,560,090	\$5,625	\$49,508	\$2,840,484
5	RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$0	\$368,221	\$0	\$40,075	\$0	\$115,892	\$0	\$36,555	\$560,743
6	RESIDENTIAL LOW-INCOME	\$0	\$386,010	\$1,177	\$25,000	\$0	\$500,000	\$32,400	\$27,946	\$972,534
7	BUSINESS ON CALL	\$412,215	\$33,227	\$0	\$36,000	\$0	\$2,638,242	\$0	(\$10,359)	\$3,109,325
8	COGENERATION & SMALL POWER PRODUCTION	\$0	\$250,457	\$0	\$5,520	\$0	\$0	\$0	(\$160,554)	\$95,422
9	BUSINESS LIGHTING	\$0	\$100,256	\$0	\$0	\$0	\$380,493	\$0	\$7,088	\$487,838
10	COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$0	\$230,691	\$434	\$1,940	\$0	\$40,813,754	\$623	\$23,733	\$41,071,174
11	COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$0	\$349,388	\$0	\$1,940	\$0	\$28,190,015	\$623	\$69,914	\$28,611,878
12	BUSINESS ENERGY EVALUATION	\$795,702	\$3,873,912	\$13,791	\$699,724	\$1,546,252	\$0	\$147,773	\$935,197	\$8,012,351
13	BUSINESS HEATING, VENTILATING & A/C	\$0	\$457,905	\$0	\$0	\$0	\$4,710,016	\$0	\$25,654	\$5,193,575
14	BUSINESS CUSTOM INCENTIVE	\$0	\$30,721	\$0	\$0	\$0	\$0	\$0	\$1,238	\$31,960
15	CONSERVATION RESEARCH & DEVELOPMENT	\$0	\$7,591	\$0	\$249,000	\$0	\$0	\$0	\$1,000	\$257,592
16	BUSINESS PHOTOVOLTAIC FOR SCHOOLS PILOT	\$374,782	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$374,783
17	COMMON EXPENSES	\$689,055	\$4,284,162	\$566	\$961,606	\$0	\$0	\$23,327	\$675,024	\$6,633,740
18	TOTAL RECOVERABLE EXPENSES	\$11,239,602	\$16,592,879	\$227,925	\$7,906,213	\$8,199,727	\$113,394,668	\$522,633	\$1,296,760	\$159,380,407

Note: Totals may not add due to rounding.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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
RESIDENTIAL HOME ENERGY SURVEY														
1. Additions/Expenditures		\$9,574	\$9,574	\$10,848	\$10,848	\$17,128	\$17,943	\$18,759	\$17,128	\$17,943	\$17,943	\$17,128	\$18,759	\$183,575
2. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$183,575	
3. Depreciation Base		\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,414,107	
4. Depreciation Expense ⁽¹⁾		\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$38,709	\$447,677
5. Cumulative Investment (Line 3)	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,414,107	
6. Less: Accumulated Depreciation	\$315,815	\$352,994	\$390,173	\$427,352	\$464,531	\$501,710	\$538,889	\$576,068	\$613,247	\$650,426	\$687,605	\$724,784	\$763,493	
7. CWIP Balance Eligible for Return	\$0	\$9,574	\$19,149	\$29,996	\$40,844	\$57,972	\$75,915	\$94,674	\$111,802	\$129,745	\$147,689	\$164,816	\$0	
8. Net Investment (Line 5-6+7)	\$1,914,716	\$1,887,112	\$1,859,507	\$1,833,176	\$1,806,845	\$1,786,793	\$1,767,558	\$1,749,138	\$1,729,087	\$1,709,851	\$1,690,615	\$1,670,564	\$1,650,614	
9. Average Net Investment		\$1,900,914	\$1,873,309	\$1,846,341	\$1,820,010	\$1,796,819	\$1,777,176	\$1,758,348	\$1,739,112	\$1,719,469	\$1,700,233	\$1,680,590	\$1,660,589	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$7,953	\$7,838	\$7,725	\$7,615	\$7,518	\$7,435	\$7,357	\$7,276	\$7,194	\$7,113	\$7,031	\$6,948	\$89,002
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$10,653	\$10,498	\$10,347	\$10,200	\$10,070	\$9,960	\$9,854	\$9,746	\$9,636	\$9,528	\$9,418	\$9,306	\$119,218
c. Debt Component ⁽³⁾		\$2,140	\$2,109	\$2,078	\$2,049	\$2,022	\$2,000	\$1,979	\$1,958	\$1,935	\$1,914	\$1,892	\$1,869	\$23,944
11. Total Return Requirements (Line 10b + 10c)		\$12,793	\$12,607	\$12,426	\$12,248	\$12,092	\$11,960	\$11,833	\$11,704	\$11,572	\$11,442	\$11,310	\$11,175	\$143,163
12. Total Depreciation & Return (Line 4 + 11)		\$49,972	\$49,786	\$49,604	\$49,427	\$49,271	\$49,139	\$49,012	\$48,883	\$48,751	\$48,621	\$48,489	\$48,884	\$590,840

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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
RESIDENTIAL LOAD MANAGEMENT ("ON CALL")														
1. Additions/Expenditures		\$298,572	\$823,823	\$761,711	\$887,716	\$847,500	\$815,235	\$858,030	\$845,140	\$887,935	\$863,279	\$835,881	\$793,087	\$9,517,908
2. Investment (Net of Retirements)		\$117,165	\$571,112	\$536,328	-\$5,444,655	\$717,521	\$619,212	\$751,645	\$683,537	\$663,724	\$1,154,391	\$726,869	\$1,155,440	
3. Depreciation Base		\$35,497,422	\$36,068,534	\$36,604,862	\$31,160,207	\$31,877,728	\$32,496,939	\$33,248,585	\$33,932,122	\$34,595,846	\$35,750,237	\$36,477,106	\$37,632,546	
4. Depreciation Expense ⁽¹⁾		\$590,647	\$596,383	\$605,612	\$564,709	\$525,316	\$536,456	\$547,879	\$559,839	\$571,066	\$586,217	\$601,895	\$617,580	\$6,903,600
5. Cumulative Investment (Line 3)	\$35,380,256	\$35,497,422	\$36,068,534	\$36,604,862	\$31,160,207	\$31,877,728	\$32,496,939	\$33,248,585	\$33,932,122	\$34,595,846	\$35,750,237	\$36,477,106	\$37,632,546	
6. Less: Accumulated Depreciation	\$18,589,396	\$19,099,916	\$19,577,743	\$20,083,389	\$13,922,805	\$14,411,544	\$14,855,909	\$15,401,337	\$15,933,411	\$16,414,105	\$16,957,330	\$17,531,996	\$18,008,595	
7. CWIP Balance Eligible for Return	\$394,253	\$495,532	\$629,687	\$755,104	\$362,181	\$455,584	\$559,517	\$663,450	\$797,288	\$931,125	\$597,022	\$678,806	\$175,471	
8. Net Investment (Line 5-6+7)	\$17,185,113	\$16,893,038	\$17,120,478	\$17,276,577	\$17,599,584	\$17,921,767	\$18,200,547	\$18,510,698	\$18,795,998	\$19,112,866	\$19,389,929	\$19,623,916	\$19,799,422	
9. Average Net Investment		\$17,039,076	\$17,006,758	\$17,198,527	\$17,438,080	\$17,760,675	\$18,061,157	\$18,355,622	\$18,653,348	\$18,954,432	\$19,251,397	\$19,506,922	\$19,711,669	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$71,289	\$71,153	\$71,956	\$72,958	\$74,308	\$75,565	\$76,797	\$78,042	\$79,302	\$80,545	\$81,614	\$82,470	\$915,999
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$95,491	\$95,310	\$96,384	\$97,727	\$99,535	\$101,219	\$102,869	\$104,538	\$106,225	\$107,889	\$109,321	\$110,469	\$1,226,976
c. Debt Component ⁽³⁾		\$19,179	\$19,143	\$19,358	\$19,628	\$19,991	\$20,329	\$20,661	\$20,996	\$21,335	\$21,669	\$21,957	\$22,187	\$246,433
11. Total Return Requirements (Line 10b + 10c)		\$114,670	\$114,462	\$115,743	\$117,355	\$119,526	\$121,548	\$123,530	\$125,533	\$127,560	\$129,558	\$131,278	\$132,656	\$1,473,408
12. Total Depreciation & Return (Line 4 + 11)		\$705,317	\$710,835	\$721,354	\$682,064	\$644,842	\$658,004	\$671,409	\$685,373	\$698,626	\$715,776	\$733,172	\$750,236	\$8,377,008

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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	BUSINESS ON CALL													
2	1. Additions/Expenditures	\$14,692	\$40,539	\$37,482	\$43,683	\$41,704	\$40,116	\$42,222	\$41,588	\$43,693	\$42,480	\$41,132	\$39,026	\$468,356
3	2. Investment (Net of Retirements)	\$5,765	\$28,103	\$26,392	-\$267,920	\$35,308	\$30,470	\$36,987	\$33,635	\$32,660	\$56,805	\$35,768	\$56,857	
4	3. Depreciation Base	\$1,746,752	\$1,774,855	\$1,801,246	\$1,533,327	\$1,568,634	\$1,599,104	\$1,636,091	\$1,669,727	\$1,702,387	\$1,759,192	\$1,794,960	\$1,851,817	
5	4. Depreciation Expense ⁽¹⁾	\$29,064	\$29,347	\$29,801	\$27,788	\$25,850	\$26,398	\$26,960	\$27,548	\$28,101	\$28,846	\$29,618	\$30,390	\$339,711
6	5. Cumulative Investment (Line 3)	\$1,740,986	\$1,746,752	\$1,774,855	\$1,801,246	\$1,533,327	\$1,568,634	\$1,599,104	\$1,636,091	\$1,669,727	\$1,702,387	\$1,759,192	\$1,794,960	\$1,851,817
7	6. Less: Accumulated Depreciation	\$914,744	\$939,866	\$963,379	\$988,260	\$685,111	\$709,161	\$731,027	\$757,867	\$784,049	\$807,703	\$834,434	\$862,712	\$886,164
8	7. CWIP Balance Eligible for Return	\$19,400	\$24,384	\$30,986	\$37,157	\$17,822	\$22,418	\$27,533	\$32,647	\$39,233	\$45,819	\$29,378	\$33,403	\$8,635
9	8. Net Investment (Line 5-6+7)	\$845,642	\$831,270	\$842,462	\$850,143	\$866,038	\$881,892	\$895,610	\$910,872	\$924,911	\$940,503	\$954,137	\$965,651	\$974,287
10	9. Average Net Investment	\$838,456	\$836,866	\$846,303	\$858,090	\$873,965	\$888,751	\$903,241	\$917,891	\$932,707	\$947,320	\$959,894	\$969,969	
11	10. Return on Average Net Investment													
12	a. Equity Component ⁽²⁾	\$3,508	\$3,501	\$3,541	\$3,590	\$3,657	\$3,718	\$3,779	\$3,840	\$3,902	\$3,963	\$4,016	\$4,058	\$45,074
13	b. Equity Component grossed up for taxes (Line 10a / 0.746550)	\$4,699	\$4,690	\$4,743	\$4,809	\$4,898	\$4,981	\$5,062	\$5,144	\$5,227	\$5,309	\$5,379	\$5,436	\$60,377
14	c. Debt Component ⁽³⁾	\$944	\$942	\$953	\$966	\$984	\$1,000	\$1,017	\$1,033	\$1,050	\$1,066	\$1,080	\$1,092	\$12,126
16	11. Total Return Requirements (Line 10b + 10c)	\$5,643	\$5,632	\$5,695	\$5,775	\$5,882	\$5,981	\$6,079	\$6,177	\$6,277	\$6,375	\$6,460	\$6,528	\$72,503
17	12. Total Depreciation & Return (Line 4 + 11)	\$34,707	\$34,979	\$35,496	\$33,563	\$31,731	\$32,379	\$33,039	\$33,726	\$34,378	\$35,222	\$36,078	\$36,918	\$412,215

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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
BUSINESS ENERGY EVALUATION														
1. Additions/Expenditures		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Depreciation Base		\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184
4. Depreciation Expense ⁽¹⁾		\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$49,236	\$590,837
5. Cumulative Investment (Line 3)	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184	\$2,954,184
6. Less: Accumulated Depreciation	\$121,972	\$171,208	\$220,445	\$269,681	\$318,918	\$368,154	\$417,390	\$466,627	\$515,863	\$565,100	\$614,336	\$663,572	\$712,809	
7. CWIP Balance Eligible for Return	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Net Investment (Line 5-6+7)	\$2,832,212	\$2,782,976	\$2,733,739	\$2,684,503	\$2,635,267	\$2,586,030	\$2,536,794	\$2,487,557	\$2,438,321	\$2,389,085	\$2,339,848	\$2,290,612	\$2,241,375	
9. Average Net Investment		\$2,807,594	\$2,758,358	\$2,709,121	\$2,659,885	\$2,610,648	\$2,561,412	\$2,512,176	\$2,462,939	\$2,413,703	\$2,364,466	\$2,315,230	\$2,265,994	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$11,747	\$11,541	\$11,335	\$11,129	\$10,923	\$10,717	\$10,511	\$10,305	\$10,099	\$9,893	\$9,687	\$9,481	\$127,362
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$15,734	\$15,458	\$15,183	\$14,907	\$14,631	\$14,355	\$14,079	\$13,803	\$13,527	\$13,251	\$12,975	\$12,699	\$170,601
c. Debt Component ⁽³⁾		\$3,160	\$3,105	\$3,049	\$2,994	\$2,939	\$2,883	\$2,828	\$2,772	\$2,717	\$2,661	\$2,606	\$2,551	\$34,264
11. Total Return Requirements (Line 10b + 10c)		\$18,895	\$18,563	\$18,232	\$17,901	\$17,569	\$17,238	\$16,906	\$16,575	\$16,244	\$15,912	\$15,581	\$15,250	\$204,866
12. Total Depreciation & Return (Line 4 + 11)		\$68,131	\$67,800	\$67,468	\$67,137	\$66,806	\$66,474	\$66,143	\$65,812	\$65,480	\$65,149	\$64,817	\$64,486	\$795,702

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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
SOLAR PV FOR SCHOOLS														
1. Additions/Expenditures		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	-\$2,006,555	
3. Depreciation Base		\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$0
4. Depreciation Expense ⁽¹⁾		\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$33,443	\$16,721	\$10,396	\$361,543
5. Cumulative Investment (Line 3)	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$2,006,555	\$0
6. Less: Accumulated Depreciation	\$1,645,012	\$1,678,454	\$1,711,897	\$1,745,340	\$1,778,782	\$1,812,225	\$1,845,667	\$1,879,110	\$1,912,553	\$1,945,995	\$1,979,438	\$1,996,159	\$1,996,159	\$0
7. CWIP Balance Eligible for Return	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Net Investment (Line 5-6+7)	\$361,543	\$328,100	\$294,658	\$261,215	\$227,772	\$194,330	\$160,887	\$127,445	\$94,002	\$60,560	\$27,117	\$10,396	\$10,396	\$0
9. Average Net Investment		\$344,821	\$311,379	\$277,936	\$244,494	\$211,051	\$177,609	\$144,166	\$110,723	\$77,281	\$43,838	\$18,756	\$5,198	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$1,443	\$1,303	\$1,163	\$1,023	\$883	\$743	\$603	\$463	\$323	\$183	\$78	\$22	\$8,231
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$1,932	\$1,745	\$1,558	\$1,370	\$1,183	\$995	\$808	\$621	\$433	\$246	\$105	\$29	\$11,025
c. Debt Component ⁽³⁾		\$388	\$350	\$313	\$275	\$238	\$200	\$162	\$125	\$87	\$49	\$21	\$6	\$2,214
11. Total Return Requirements (Line 10b + 10c)		\$2,321	\$2,096	\$1,870	\$1,645	\$1,420	\$1,195	\$970	\$745	\$520	\$295	\$126	\$35	\$13,239
12. Total Depreciation & Return (Line 4 + 11)		\$35,763	\$35,538	\$35,313	\$35,088	\$34,863	\$34,638	\$34,413	\$34,188	\$33,963	\$33,738	\$16,848	\$10,431	\$374,782

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-2

ESTIMATED FOR THE PERIOD OF : JANUARY 2020 THROUGH DECEMBER 2020

	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
COMMON EXPENSES														
1. Additions/Expenditures		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Investment (Net of Retirements)		\$0	\$0	(\$582,286)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Depreciation Base		\$3,639,636	\$3,639,636	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	
4. Depreciation Expense ⁽¹⁾		\$60,661	\$55,808	\$50,956	\$50,956	\$50,956	\$50,956	\$50,956	\$50,956	\$50,956	\$50,956	\$50,956	\$41,838	\$616,910
5. Cumulative Investment (Line 3)	\$3,639,636	\$3,639,636	\$3,639,636	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	\$3,057,350	
6. Less: Accumulated Depreciation	\$2,427,376	\$2,488,036	\$2,543,845	\$2,012,514	\$2,063,470	\$2,114,426	\$2,165,382	\$2,216,338	\$2,267,294	\$2,318,250	\$2,369,205	\$2,420,161	\$2,461,999	
7. CWIP Balance Eligible for Return	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Net Investment (Line 5-6+7)	\$1,212,260	\$1,151,600	\$1,095,791	\$1,044,836	\$993,880	\$942,924	\$891,968	\$841,012	\$790,056	\$739,101	\$688,145	\$637,189	\$595,351	
9. Average Net Investment		\$1,181,930	\$1,123,696	\$1,070,314	\$1,019,358	\$968,402	\$917,446	\$866,490	\$815,534	\$764,579	\$713,623	\$662,667	\$616,270	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$4,945	\$4,701	\$4,478	\$4,265	\$4,052	\$3,838	\$3,625	\$3,412	\$3,199	\$2,986	\$2,772	\$2,578	\$44,852
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$6,624	\$6,297	\$5,998	\$5,713	\$5,427	\$5,142	\$4,856	\$4,570	\$4,285	\$3,999	\$3,714	\$3,454	\$60,079
c. Debt Component ⁽³⁾		\$1,330	\$1,265	\$1,205	\$1,147	\$1,090	\$1,033	\$975	\$918	\$861	\$803	\$746	\$694	\$12,067
11. Total Return Requirements (Line 10b + 10c)		\$7,954	\$7,562	\$7,203	\$6,860	\$6,517	\$6,174	\$5,831	\$5,488	\$5,145	\$4,803	\$4,460	\$4,147	\$72,146
12. Total Depreciation & Return (Line 4 + 11)		\$68,615	\$63,370	\$58,159	\$57,816	\$57,473	\$57,130	\$56,787	\$56,444	\$56,101	\$55,758	\$55,415	\$45,986	\$689,055

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity component for the Jan-Dec period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Dec is 1.3507% based on the May 2019 Earnings Surveillance Report.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
ECCR PROGRAM COSTS BY CATEGORY

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED

		Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	TOTAL PROGRAM EXPENSES
1 RESIDENTIAL HOME ENERGY SURVEY	Actual	\$89,402	\$1,607,856	\$7,209	\$230,199	(\$37,793)	\$0	\$190,466	\$475,091	\$2,562,430
	Estimate	\$304,892	\$2,091,424	\$3,000	\$914,015	\$6,826,970	\$0	\$113,400	\$474,525	\$10,728,225
	Total	\$394,294	\$3,699,280	\$10,209	\$1,144,214	\$6,789,177	\$0	\$303,866	\$949,616	\$13,290,655
2 RESIDENTIAL CEILING INSULATION	Actual	\$0	\$48,899	\$0	\$363	\$0	\$269,705	\$0	\$2,549	\$321,516
	Estimate	\$0	\$40,564	\$0	\$0	\$0	\$399,348	\$0	\$6,548	\$446,460
	Total	\$0	\$89,463	\$0	\$363	\$0	\$669,053	\$0	\$9,097	\$767,976
3 RESIDENTIAL LOAD MANAGEMENT (ON CALL)	Actual	\$4,367,266	\$590,601	\$94,159	\$1,730,367	\$0	\$15,442,541	\$18,101	\$256,499	\$22,499,534
	Estimate	\$4,203,919	\$875,813	\$121,260	\$1,834,982	\$0	\$16,742,016	\$29,682	(\$410,554)	\$23,397,118
	Total	\$8,571,185	\$1,466,414	\$215,419	\$3,565,349	\$0	\$32,184,557	\$47,783	(\$154,055)	\$45,896,652
4 RESIDENTIAL AIR CONDITIONING	Actual	\$0	\$199,899	\$14	\$10,577	\$0	\$1,456,800	\$0	\$4,134	\$1,671,424
	Estimate	\$0	\$127,968	\$0	\$3,451	\$0	\$1,650,008	\$3,749	\$39,870	\$1,825,046
	Total	\$0	\$327,867	\$14	\$14,028	\$0	\$3,106,808	\$3,749	\$44,004	\$3,496,470
5 RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	Actual	\$0	\$204,258	\$0	\$39,802	\$0	\$8,950	\$0	\$14,142	\$267,152
	Estimate	\$0	\$211,228	\$0	\$28,200	\$0	\$7,220	\$0	\$29,084	\$275,731
	Total	\$0	\$415,486	\$0	\$68,002	\$0	\$16,170	\$0	\$43,226	\$542,883
6 RESIDENTIAL LOW-INCOME	Actual	\$0	\$177,249	\$1,739	\$1,149	\$0	\$106,153	\$3,950	\$23,748	\$313,988
	Estimate	\$0	\$32,037	\$530	\$18,072	\$0	\$11,616	\$11,850	\$4,847	\$78,952
	Total	\$0	\$209,286	\$2,269	\$19,221	\$0	\$117,769	\$15,800	\$28,595	\$392,940
7 BUSINESS ON CALL	Actual	\$207,309	\$13,836	\$0	\$5,200	\$0	\$1,287,964	\$0	\$10,085	\$1,524,394
	Estimate	\$207,233	\$17,413	\$0	\$16,252	\$0	\$1,331,676	\$0	(\$22,681)	\$1,549,893
	Total	\$414,542	\$31,249	\$0	\$21,452	\$0	\$2,619,640	\$0	(\$12,596)	\$3,074,287
8 COGENERATION & SMALL POWER PRODUCTION	Actual	\$0	\$226,883	\$0	\$74	\$0	\$0	\$0	(\$140,176)	\$86,781
	Estimate	\$0	\$105,419	\$0	(\$997)	\$0	\$0	\$0	(\$77,670)	\$26,752
	Total	\$0	\$332,302	\$0	(\$923)	\$0	\$0	\$0	(\$217,846)	\$113,533
9 BUSINESS LIGHTING	Actual	\$0	\$66,049	\$0	\$0	\$0	\$170,900	\$0	\$3,980	\$240,929
	Estimate	\$0	\$69,773	\$0	\$0	\$0	\$289,494	\$0	\$2,637	\$361,904
	Total	\$0	\$135,822	\$0	\$0	\$0	\$460,394	\$0	\$6,617	\$602,833
10 COMMERCIAL/INDUSTRIAL LOAD CONTROL	Actual	\$0	\$105,084	\$3,356	\$4,504	\$0	\$20,894,579	\$0	\$10,589	\$21,018,112
	Estimate	\$0	\$104,319	\$318	\$3,412	\$0	\$20,678,266	\$0	\$12,960	\$20,799,275
	Total	\$0	\$209,403	\$3,674	\$7,916	\$0	\$41,572,845	\$0	\$23,549	\$41,817,387
11 COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	Actual	\$0	\$136,178	\$54	\$0	\$0	\$12,186,005	\$16	\$17,143	\$12,339,396
	Estimate	\$0	\$148,792	\$85	\$912	\$0	\$14,134,531	\$0	\$20,060	\$14,304,380
	Total	\$0	\$284,970	\$139	\$912	\$0	\$26,320,536	\$16	\$37,203	\$26,643,776
12 BUSINESS ENERGY EVALUATION	Actual	\$89,642	\$2,019,493	\$2,108	\$543,223	(\$9,062)	\$0	\$29,154	\$401,882	\$3,076,440
	Estimate	\$233,128	\$2,241,770	\$79,110	\$444,080	\$1,232,761	\$0	\$58,650	\$490,966	\$4,780,465
	Total	\$322,770	\$4,261,263	\$81,218	\$987,303	\$1,223,699	\$0	\$87,804	\$892,848	\$7,856,905

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
ECCR PROGRAM COSTS BY CATEGORY

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED

		Depreciation & Return	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Rebates	Vehicles	Other	TOTAL PROGRAM EXPENSES
13 BUSINESS HEATING, VENTILATING & A/C	Actual	\$0	\$198,166	\$0	\$0	\$0	\$3,027,446	\$0	\$9,909	\$3,235,521
	Estimate	\$0	\$202,178	\$0	\$0	\$0	\$6,439,361	\$0	\$20,903	\$6,662,442
	Total	\$0	\$400,344	\$0	\$0	\$0	\$9,466,807	\$0	\$30,812	\$9,897,963
14 BUSINESS CUSTOM INCENTIVE	Actual	\$0	\$13,720	\$0	\$0	\$0	\$0	\$0	\$561	\$14,281
	Estimate	\$0	\$14,359	\$0	\$0	\$0	\$49,032	\$0	\$808	\$64,199
	Total	\$0	\$28,079	\$0	\$0	\$0	\$49,032	\$0	\$1,369	\$78,480
15 CONSERVATION RESEARCH & DEVELOPMENT	Actual	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Estimate	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
	Total	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
16 BUSINESS PHOTOVOLTAIC FOR SCHOOLS PILOT	Actual	\$697,425	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$697,425
	Estimate	\$352,251	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$352,251
	Total	\$1,049,676	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,049,676
17 COMMON EXPENSES	Actual	\$514,630	\$2,185,659	\$1,444	\$509,473	\$0	\$0	\$10,390	\$364,116	\$3,585,712
	Estimate	\$420,261	\$2,216,320	\$2,109	\$580,976	\$0	\$0	\$17,284	\$487,930	\$3,724,879
	Total	\$934,891	\$4,401,979	\$3,553	\$1,090,449	\$0	\$0	\$27,674	\$852,046	\$7,310,591
18 RECOVERABLE EXPENSES	Actual	\$5,965,674	\$7,793,830	\$110,083	\$3,074,931	(\$46,855)	\$54,851,043	\$252,077	\$1,454,252	\$73,455,035
	Estimate	\$5,721,684	\$8,499,376	\$206,412	\$3,893,355	\$8,059,731	\$61,732,568	\$234,615	\$1,080,232	\$89,427,972
	Total	\$11,687,358	\$16,293,206	\$316,495	\$6,968,286	\$8,012,876	\$116,583,611	\$486,692	\$2,534,484	\$162,883,007

Note: Totals may not add due to rounding.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED

	Beginning of Period Balance	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
RESIDENTIAL HOME ENERGY SURVEY														
1. Additions/Expenditures		\$3,988	\$99,162	\$105,656	(\$2,154,979)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,946,174)
2. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$2,230,532	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Depreciation Base		\$0	\$0	\$0	\$0	\$0	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532
4. Depreciation Expense ⁽¹⁾		\$0	\$0	\$0	\$0	\$0	\$37,175	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$37,179	\$260,249
5. Cumulative Investment (Line 3)	\$0	\$0	\$0	\$0	\$0	\$0	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532	\$2,230,532
6. Less: Accumulated Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$92,742	\$129,920	\$167,099	\$204,278	\$241,457	\$278,636	\$315,815	
7. CWIP Balance Eligible for Return	\$1,946,174	\$1,950,161	\$2,049,323	\$2,154,979	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Net Investment (Line 5-6+7)	\$1,946,174	\$1,950,161	\$2,049,323	\$2,154,979	\$0	\$0	\$2,137,790	\$2,100,611	\$2,063,432	\$2,026,253	\$1,989,074	\$1,951,895	\$1,914,716	
9. Average Net Investment		\$1,948,167	\$1,999,742	\$2,102,151	\$1,077,489	\$0	\$1,068,895	\$2,119,201	\$2,082,022	\$2,044,843	\$2,007,664	\$1,970,485	\$1,933,306	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$7,656	\$7,858	\$8,261	\$4,234	\$0	\$4,200	\$8,866	\$8,711	\$8,555	\$8,400	\$8,244	\$8,089	\$83,074
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$10,255	\$10,526	\$11,065	\$5,672	\$0	\$5,626	\$11,876	\$11,668	\$11,460	\$11,251	\$11,043	\$10,835	\$111,278
c. Debt Component ⁽³⁾		\$2,159	\$2,216	\$2,329	\$1,194	\$0	\$1,184	\$2,385	\$2,343	\$2,302	\$2,260	\$2,218	\$2,176	\$22,767
11. Total Return Requirements (Line 10b + 10c)		\$12,413	\$12,742	\$13,395	\$6,866	\$0	\$6,811	\$14,262	\$14,012	\$13,761	\$13,511	\$13,261	\$13,011	\$134,044
12. Total Depreciation & Return (Line 4 + 11)		\$12,413	\$12,742	\$13,395	\$6,866	\$0	\$43,986	\$51,441	\$51,191	\$50,940	\$50,690	\$50,440	\$50,190	\$394,293

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED														
	Beginning of Period Balance	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
RESIDENTIAL LOAD MANAGEMENT ("ON CALL")														
1. Additions/Expenditures		(\$41,025)	\$165,081	\$86,961	(\$326,631)	\$25,707	\$37,259	\$472,511	\$194,916	\$207,192	\$945,841	\$984,902	\$205,109	\$2,957,823
2. Investment (Net of Retirements)		\$12,598	(\$93,764)	(\$4,124)	\$593,323	\$94,958	(\$2,054,646)	\$1,277,303	(\$676,517)	(\$2,399,328)	\$813,767	\$837,736	\$296,670	
3. Depreciation Base		<u>\$36,517,498</u>	<u>\$36,423,734</u>	<u>\$36,419,610</u>	<u>\$37,012,933</u>	<u>\$37,107,891</u>	<u>\$35,053,246</u>	<u>\$36,507,929</u>	<u>\$35,831,411</u>	<u>\$33,432,083</u>	<u>\$34,245,850</u>	<u>\$35,083,586</u>	<u>\$35,380,256</u>	
4. Depreciation Expense		<u>\$613,263</u>	<u>\$612,587</u>	<u>\$611,771</u>	<u>\$616,681</u>	<u>\$622,416</u>	<u>\$606,086</u>	<u>\$597,821</u>	<u>\$602,828</u>	<u>\$577,196</u>	<u>\$563,983</u>	<u>\$577,745</u>	<u>\$587,199</u>	<u>\$7,189,575</u>
5. Cumulative Investment (Line 3)	\$36,504,900	\$36,517,498	\$36,423,734	\$36,419,610	\$37,012,933	\$37,107,891	\$35,053,246	\$36,507,929	\$35,831,411	\$33,432,083	\$34,245,850	\$35,083,586	\$35,380,256	
6. Less: Accumulated Depreciation	\$18,573,771	\$19,085,770	\$19,620,410	\$20,112,213	\$20,644,416	\$21,239,987	\$18,659,060	\$19,330,926	\$19,115,069	\$17,093,203	\$17,561,275	\$18,025,787	\$18,589,396	
7. CWIP Balance Eligible for Return		<u>\$1,236,010</u>	<u>\$1,194,985</u>	<u>\$1,360,066</u>	<u>\$1,447,027</u>	<u>\$1,120,396</u>	<u>\$1,146,103</u>	<u>\$1,183,361</u>	<u>\$379,101</u>	<u>\$431,850</u>	<u>\$439,308</u>	<u>\$475,472</u>	<u>\$509,404</u>	<u>\$394,253</u>
8. Net Investment (Line 5-6+7)		<u>\$19,167,139</u>	<u>\$18,626,712</u>	<u>\$18,163,390</u>	<u>\$17,754,424</u>	<u>\$17,488,913</u>	<u>\$17,014,007</u>	<u>\$17,577,547</u>	<u>\$17,556,104</u>	<u>\$17,148,192</u>	<u>\$16,778,189</u>	<u>\$17,160,047</u>	<u>\$17,567,203</u>	<u>\$17,185,113</u>
9. Average Net Investment		\$18,896,926	\$18,395,051	\$17,958,907	\$17,621,669	\$17,251,460	\$17,295,777	\$17,566,825	\$17,352,148	\$16,963,190	\$16,969,118	\$17,363,625	\$17,376,158	
10. Return on Average Net Investment														
a. Equity Component		<u>\$74,259</u>	<u>\$72,286</u>	<u>\$70,573</u>	<u>\$69,247</u>	<u>\$67,792</u>	<u>\$67,967</u>	<u>\$73,497</u>	<u>\$72,598</u>	<u>\$70,971</u>	<u>\$70,996</u>	<u>\$72,647</u>	<u>\$72,699</u>	<u>\$855,532</u>
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$99,469	\$96,827	\$94,532	\$92,756	\$90,808	\$91,041	\$98,448	\$97,245	\$95,066	\$95,099	\$97,310	\$97,380	\$1,145,980
c. Debt Component ⁽³⁾		<u>\$20,939</u>	<u>\$20,383</u>	<u>\$19,900</u>	<u>\$19,526</u>	<u>\$19,116</u>	<u>\$19,165</u>	<u>\$19,773</u>	<u>\$19,531</u>	<u>\$19,093</u>	<u>\$19,100</u>	<u>\$19,544</u>	<u>\$19,558</u>	<u>\$235,630</u>
11. Total Return Requirements (Line 10b + 10c)		<u>\$120,408</u>	<u>\$117,211</u>	<u>\$114,432</u>	<u>\$112,283</u>	<u>\$109,924</u>	<u>\$110,206</u>	<u>\$118,221</u>	<u>\$116,777</u>	<u>\$114,159</u>	<u>\$114,199</u>	<u>\$116,854</u>	<u>\$116,938</u>	<u>\$1,381,611</u>
12. Total Depreciation & Return (Line 4 + 11)		<u>\$733,671</u>	<u>\$729,797</u>	<u>\$726,202</u>	<u>\$728,963</u>	<u>\$732,340</u>	<u>\$716,292</u>	<u>\$716,043</u>	<u>\$719,604</u>	<u>\$691,355</u>	<u>\$678,182</u>	<u>\$694,599</u>	<u>\$704,137</u>	<u>\$8,571,186</u>

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED														
	Beginning of Period Balance	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
BUSINESS ON CALL														
1. Additions/Expenditures		(\$1,888)	\$7,598	\$4,002	(\$15,033)	\$1,183	\$1,715	\$23,251	\$9,591	\$10,195	\$46,543	\$48,465	\$10,093	\$145,716
2. Investment (Net of Retirements)		\$580	(\$4,315)	(\$190)	\$27,308	\$4,370	(\$94,565)	\$62,853	(\$33,290)	(\$118,066)	\$40,044	\$41,223	\$14,599	
3. Depreciation Base		<u>\$1,978,396</u>	<u>\$1,974,080</u>	<u>\$1,973,890</u>	<u>\$2,001,198</u>	<u>\$2,005,568</u>	<u>\$1,911,003</u>	<u>\$1,796,477</u>	<u>\$1,763,187</u>	<u>\$1,645,121</u>	<u>\$1,685,165</u>	<u>\$1,726,388</u>	<u>\$1,740,986</u>	
4. Depreciation Expense ⁽¹⁾		<u>\$28,225</u>	<u>\$28,194</u>	<u>\$28,157</u>	<u>\$28,383</u>	<u>\$28,647</u>	<u>\$27,895</u>	<u>\$29,417</u>	<u>\$29,664</u>	<u>\$28,403</u>	<u>\$27,752</u>	<u>\$28,430</u>	<u>\$28,895</u>	<u>\$342,062</u>
5. Cumulative Investment (Line 3)	\$1,977,816	\$1,978,396	\$1,974,080	\$1,973,890	\$2,001,198	\$2,005,568	\$1,911,003	\$1,796,477	\$1,763,187	\$1,645,121	\$1,685,165	\$1,726,388	\$1,740,986	
6. Less: Accumulated Depreciation	\$991,935	\$1,015,500	\$1,040,107	\$1,062,742	\$1,087,237	\$1,114,648	\$995,861	\$951,233	\$940,611	\$841,120	\$864,153	\$887,010	\$914,744	
7. CWIP Balance Eligible for Return	<u>\$61,212</u>	<u>\$59,324</u>	<u>\$66,922</u>	<u>\$70,924</u>	<u>\$55,891</u>	<u>\$57,074</u>	<u>\$58,789</u>	<u>\$18,655</u>	<u>\$21,250</u>	<u>\$21,617</u>	<u>\$23,397</u>	<u>\$25,067</u>	<u>\$19,400</u>	
8. Net Investment (Line 5-6+7)	<u>\$1,047,092</u>	<u>\$1,022,219</u>	<u>\$1,000,894</u>	<u>\$982,072</u>	<u>\$969,852</u>	<u>\$947,994</u>	<u>\$973,931</u>	<u>\$863,898</u>	<u>\$843,826</u>	<u>\$825,619</u>	<u>\$844,409</u>	<u>\$864,444</u>	<u>\$845,642</u>	
9. Average Net Investment		\$1,034,656	\$1,011,557	\$991,483	\$975,962	\$958,923	\$960,963	\$918,915	\$853,862	\$834,722	\$835,014	\$854,427	\$855,043	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		<u>\$4,066</u>	<u>\$3,975</u>	<u>\$3,896</u>	<u>\$3,835</u>	<u>\$3,768</u>	<u>\$3,776</u>	<u>\$3,845</u>	<u>\$3,572</u>	<u>\$3,492</u>	<u>\$3,494</u>	<u>\$3,575</u>	<u>\$3,577</u>	<u>\$44,872</u>
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		<u>\$5,446</u>	<u>\$5,325</u>	<u>\$5,219</u>	<u>\$5,137</u>	<u>\$5,048</u>	<u>\$5,058</u>	<u>\$5,150</u>	<u>\$4,785</u>	<u>\$4,678</u>	<u>\$4,680</u>	<u>\$4,788</u>	<u>\$4,792</u>	<u>\$60,106</u>
c. Debt Component ⁽³⁾		<u>\$1,146</u>	<u>\$1,121</u>	<u>\$1,099</u>	<u>\$1,081</u>	<u>\$1,063</u>	<u>\$1,065</u>	<u>\$1,034</u>	<u>\$961</u>	<u>\$940</u>	<u>\$940</u>	<u>\$962</u>	<u>\$962</u>	<u>\$12,374</u>
11. Total Return Requirements (Line 10b + 10c)		<u>\$6,593</u>	<u>\$6,445</u>	<u>\$6,318</u>	<u>\$6,219</u>	<u>\$6,110</u>	<u>\$6,123</u>	<u>\$6,184</u>	<u>\$5,746</u>	<u>\$5,618</u>	<u>\$5,619</u>	<u>\$5,750</u>	<u>\$5,754</u>	<u>\$72,480</u>
12. Total Depreciation & Return (Line 4 + 11)		<u>\$34,818</u>	<u>\$34,640</u>	<u>\$34,474</u>	<u>\$34,601</u>	<u>\$34,757</u>	<u>\$34,018</u>	<u>\$35,602</u>	<u>\$35,410</u>	<u>\$34,020</u>	<u>\$33,372</u>	<u>\$34,180</u>	<u>\$34,649</u>	<u>\$414,542</u>

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED														
	Beginning of Period Balance	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
BUSINESS ENERGY EVALUATION														
1. Additions/Expenditures		\$28,166	\$74,692	\$73,790	\$80,206	\$86,081	\$83,542	\$79,220	\$82,993	\$53,809	\$51,598	\$39,845	\$62,285	\$796,226
2. Investment (Net of Retirements)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,947,078	\$0	\$0	\$1,007,107	
3. Depreciation Base		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,947,078	\$1,947,078	\$1,947,078	\$2,954,184	
4. Depreciation Expense ⁽¹⁾		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,226	\$32,451	\$32,451	\$40,844	\$121,972
5. Cumulative Investment (Line 3)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,947,078	\$1,947,078	\$1,947,078	\$2,954,184	
6. Less: Accumulated Depreciation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,226	\$48,677	\$81,128	\$121,972	
7. CWIP Balance Eligible for Return	\$2,157,958	\$2,186,124	\$2,260,817	\$2,334,607	\$2,414,813	\$2,500,894	\$2,584,436	\$2,663,655	\$2,746,648	\$853,379	\$904,977	\$944,822	\$0	
8. Net Investment (Line 5-6+7)	\$2,157,958	\$2,186,124	\$2,260,817	\$2,334,607	\$2,414,813	\$2,500,894	\$2,584,436	\$2,663,655	\$2,746,648	\$2,784,231	\$2,803,377	\$2,810,771	\$2,832,212	
9. Average Net Investment		\$2,172,041	\$2,223,471	\$2,297,712	\$2,374,710	\$2,457,853	\$2,542,665	\$2,624,045	\$2,705,152	\$2,765,440	\$2,793,804	\$2,807,074	\$2,821,492	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$8,535	\$8,737	\$9,029	\$9,332	\$9,659	\$9,992	\$10,979	\$11,318	\$11,570	\$11,689	\$11,744	\$11,805	\$124,389
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$11,433	\$11,704	\$12,095	\$12,500	\$12,938	\$13,384	\$14,706	\$15,160	\$15,498	\$15,657	\$15,731	\$15,812	\$166,618
c. Debt Component ⁽³⁾		\$2,407	\$2,464	\$2,546	\$2,631	\$2,724	\$2,817	\$2,954	\$3,045	\$3,113	\$3,145	\$3,160	\$3,176	\$34,180
11. Total Return Requirements (Line 10b + 10c)		\$13,840	\$14,168	\$14,641	\$15,131	\$15,661	\$16,201	\$17,659	\$18,205	\$18,611	\$18,802	\$18,891	\$18,988	\$200,798
12. Total Depreciation & Return (Line 4 + 11)		\$13,840	\$14,168	\$14,641	\$15,131	\$15,661	\$16,201	\$17,659	\$18,205	\$34,837	\$51,253	\$51,342	\$59,832	\$322,770

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED														
	Beginning of Period Balance	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
SOLAR PV FOR SCHOOLS														
1. Additions/Expenditures		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Investment (Net of Retirements)		(\$432,214)	\$0	(\$365,145)	(\$510,497)	(\$841,635)	(\$98,908)	\$0	(\$2,433,898)	\$0	\$0	(\$942,319)	\$0	
3. Depreciation Base		\$7,198,956	\$7,198,956	\$6,833,811	\$6,323,314	\$5,481,680	\$5,382,772	\$5,382,772	\$2,948,874	\$2,948,874	\$2,948,874	\$2,006,555	\$2,006,555	
4. Depreciation Expense ⁽¹⁾		\$123,584	\$119,983	\$116,940	\$109,643	\$98,375	\$90,537	\$89,713	\$69,430	\$49,148	\$49,148	\$41,295	\$33,443	\$991,238
5. Cumulative Investment (Line 3)	\$7,631,170	\$7,198,956	\$7,198,956	\$6,833,811	\$6,323,314	\$5,481,680	\$5,382,772	\$5,382,772	\$2,948,874	\$2,948,874	\$2,948,874	\$2,006,555	\$2,006,555	
6. Less: Accumulated Depreciation	\$6,278,388	\$5,969,759	\$6,089,742	\$5,841,536	\$5,440,682	\$4,697,423	\$4,689,052	\$4,778,765	\$2,414,297	\$2,463,445	\$2,512,593	\$1,611,569	\$1,645,012	
7. CWIP Balance Eligible for Return	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
8. Net Investment (Line 5-6+7)	\$1,352,781	\$1,229,197	\$1,109,214	\$992,274	\$882,632	\$784,257	\$693,720	\$604,007	\$534,576	\$485,428	\$436,281	\$394,985	\$361,543	
9. Average Net Investment		\$1,290,989	\$1,169,205	\$1,050,744	\$937,453	\$833,444	\$738,988	\$648,863	\$569,292	\$510,002	\$460,855	\$415,633	\$378,264	
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$5,073	\$4,595	\$4,129	\$3,684	\$3,275	\$2,904	\$2,715	\$2,382	\$2,134	\$1,928	\$1,739	\$1,583	\$36,140
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$6,795	\$6,154	\$5,531	\$4,935	\$4,387	\$3,890	\$3,636	\$3,190	\$2,858	\$2,583	\$2,329	\$2,120	\$48,409
c. Debt Component ⁽³⁾		\$1,431	\$1,296	\$1,164	\$1,039	\$924	\$819	\$730	\$641	\$574	\$519	\$468	\$426	\$10,029
11. Total Return Requirements (Line 10b + 10c)		\$8,226	\$7,450	\$6,695	\$5,973	\$5,311	\$4,709	\$4,367	\$3,831	\$3,432	\$3,101	\$2,797	\$2,546	\$58,438
12. Total Depreciation & Return (Line 4 + 11)		\$131,810	\$127,433	\$123,635	\$115,616	\$103,686	\$95,246	\$94,080	\$73,262	\$52,580	\$52,249	\$44,092	\$35,988	\$1,049,677

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019 ESTIMATED														
	Beginning of Period Balance	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
COMMON EXPENSES														
1. Additions/Expenditures		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2. Investment (Net of Retirements)		\$1,102	\$0	\$0	\$2,218,856	\$11,270	(\$2,230,126)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Depreciation Base		\$3,639,636	\$3,639,636	\$3,639,636	\$5,858,492	\$5,869,762	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636
4. Depreciation Expense ⁽¹⁾		\$60,651	\$60,661	\$60,661	\$79,151	\$97,754	\$60,661	\$60,661	\$60,661	\$60,661	\$60,661	\$60,661	\$60,661	\$783,502
5. Cumulative Investment (Line 3)	\$3,638,534	\$3,639,636	\$3,639,636	\$3,639,636	\$5,858,492	\$5,869,762	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636	\$3,639,636
6. Less: Accumulated Depreciation	\$1,699,439	\$1,760,091	\$1,820,752	\$1,881,413	\$1,960,564	\$2,058,318	\$2,063,412	\$2,124,073	\$2,184,733	\$2,245,394	\$2,306,055	\$2,366,715	\$2,427,376	\$2,427,376
7. CWIP Balance Eligible for Return	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Net Investment (Line 5-6+7)	\$1,939,095	\$1,879,545	\$1,818,884	\$1,758,223	\$3,897,928	\$3,811,444	\$1,576,224	\$1,515,563	\$1,454,903	\$1,394,242	\$1,333,581	\$1,272,921	\$1,212,260	\$1,212,260
9. Average Net Investment		\$1,909,320	\$1,849,215	\$1,788,554	\$2,828,076	\$3,854,686	\$2,693,834	\$1,545,894	\$1,485,233	\$1,424,572	\$1,363,912	\$1,303,251	\$1,242,591	\$1,242,591
10. Return on Average Net Investment														
a. Equity Component ⁽²⁾		\$7,503	\$7,267	\$7,028	\$11,113	\$15,148	\$10,586	\$6,468	\$6,214	\$5,960	\$5,706	\$5,453	\$5,199	\$93,645
b. Equity Component grossed up for taxes (Line 10a / 0.746550)		\$10,050	\$9,734	\$9,415	\$14,886	\$20,290	\$14,180	\$8,664	\$8,324	\$7,984	\$7,644	\$7,304	\$6,964	\$125,437
c. Debt Component ⁽³⁾		\$2,116	\$2,049	\$1,982	\$3,134	\$4,271	\$2,985	\$1,740	\$1,672	\$1,603	\$1,535	\$1,467	\$1,399	\$25,953
11. Total Return Requirements (Line 10b + 10c)		\$12,166	\$11,783	\$11,396	\$18,020	\$24,561	\$17,165	\$10,404	\$9,995	\$9,587	\$9,179	\$8,771	\$8,362	\$151,389
12. Total Depreciation & Return (Line 4 + 11)		\$72,817	\$72,444	\$72,057	\$97,171	\$122,315	\$77,825	\$71,064	\$70,656	\$70,248	\$69,839	\$69,431	\$69,023	\$934,892

⁽¹⁾ Depreciation expense is based on the "Cradle-to-Grave" method of accounting.

⁽²⁾ The Equity Component for the Jan-Jun period is 4.7156% based on the May 2018 Earnings Surveillance Report and reflects a 10.55% return on equity, and the Equity Component for the July-Dec 2019 period is 5.0206% based on the May 2019 Earnings Surveillance Report and reflects a 10.55% return on equity.

⁽³⁾ The Debt Component for the Jan-Jun 2019 period is 1.3297% based on the May 2018 Earnings Surveillance Report and the Debt Component for the Jul-Dec 2019 period is 1.3507% based on the May 2019 Earnings Surveillance Report.

FLORIDA POWER AND LIGHT COMPANY
ENERGY CONSERVATION RECOVERY
CONSERVATION PROGRAM COSTS

JANUARY THROUGH JUNE 2019 ACTUAL : JULY THROUGH DECEMBER 2019: 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	Twelve Month Amount
1 RESIDENTIAL HOME ENERGY SURVEY	\$267,711	\$326,748	\$452,146	\$472,814	\$442,579	\$600,433	\$1,795,022	\$1,665,386	\$1,981,085	\$2,598,500	\$1,094,339	\$1,593,893	\$13,290,654
2 RESIDENTIAL CEILING INSULATION	\$37,815	\$23,450	\$72,029	\$39,686	\$79,113	\$69,423	\$118,559	\$109,297	\$89,920	\$50,361	\$43,494	\$34,829	\$767,976
3 RESIDENTIAL LOAD MANAGEMENT (ON CALL)	\$3,044,347	\$3,242,363	\$3,236,014	\$4,444,515	\$4,412,337	\$4,119,965	\$4,305,723	\$4,475,301	\$4,398,521	\$4,196,017	\$2,898,306	\$3,123,244	\$45,896,653
4 RESIDENTIAL AIR CONDITIONING	\$209,015	\$179,517	\$293,362	\$334,202	\$300,518	\$354,810	\$391,935	\$412,715	\$310,188	\$330,469	\$243,497	\$136,242	\$3,496,470
5 RESIDENTIAL NEW CONSTRUCTION (BUILDSMART®)	\$51,919	\$35,754	\$46,239	\$40,239	\$50,020	\$42,982	\$44,629	\$59,226	\$41,229	\$46,473	\$41,129	\$43,047	\$542,883
6 RESIDENTIAL LOW-INCOME	\$16,886	\$69,073	\$42,869	\$60,953	\$72,681	\$51,524	\$10,342	\$9,076	\$15,350	\$15,793	\$11,702	\$16,690	\$392,940
7 BUSINESS ON CALL	\$39,207	\$40,015	\$40,143	\$467,296	\$470,238	\$467,496	\$488,600	\$486,762	\$484,328	\$6,597	\$41,853	\$41,753	\$3,074,287
8 COGENERATION & SMALL POWER PRODUCTION	\$21,519	\$14,775	\$18,078	\$17,017	\$711	\$14,682	\$6,520	\$5,806	\$4,921	\$6,563	\$5,007	-\$2,065	\$113,533
9 BUSINESS LIGHTING	\$79,369	\$20,152	\$40,518	\$30,083	\$41,841	\$28,966	\$101,336	\$129,306	\$53,230	\$44,985	\$19,469	\$13,580	\$602,833
10 COMMERCIAL/INDUSTRIAL LOAD CONTROL	\$2,640,310	\$2,600,383	\$2,707,409	\$3,545,600	\$3,230,552	\$6,293,857	\$3,352,989	\$3,234,333	\$2,942,571	\$3,282,059	\$2,908,837	\$5,078,486	\$41,817,387
11 COMMERCIAL/INDUSTRIAL DEMAND REDUCTION	\$1,782,351	\$1,790,812	\$1,861,086	\$2,077,384	\$2,350,939	\$2,476,824	\$2,624,448	\$2,690,227	\$2,680,670	\$2,711,855	\$1,818,257	\$1,778,924	\$26,643,776
12 BUSINESS ENERGY EVALUATION	\$433,115	\$579,003	\$629,274	\$503,059	\$509,166	\$422,824	\$539,420	\$975,231	\$1,312,778	\$704,076	\$618,569	\$630,392	\$7,856,905
13 BUSINESS HEATING, VENTILATING & A/C	\$211,302	\$942,350	\$114,756	\$318,808	\$523,667	\$1,124,639	\$1,145,498	\$2,499,301	\$1,253,277	\$702,602	\$493,990	\$567,775	\$9,897,963
14 BUSINESS CUSTOM INCENTIVE	\$2,634	\$2,176	\$2,282	\$2,598	\$2,415	\$2,177	\$2,542	\$2,492	\$17,037	\$2,575	\$22,368	\$17,185	\$78,478
15 CONSERVATION RESEARCH & DEVELOPMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
16 BUSINESS PHOTOVOLTAIC FOR SCHOOLS PILOT	\$131,810	\$127,433	\$123,635	\$115,616	\$103,686	\$95,246	\$94,080	\$73,262	\$52,580	\$52,249	\$44,092	\$35,988	\$1,049,677
17 COMMON EXPENSES	\$545,111	\$501,587	\$706,269	\$616,752	\$609,483	\$606,510	\$596,274	\$618,993	\$564,693	\$686,496	\$619,328	\$639,098	\$7,310,593
18 TOTAL RECOVERABLE EXPENSES	\$ 9,514,421	\$ 10,495,589	\$ 10,386,109	\$ 13,086,622	\$ 13,199,946	\$ 16,772,355	\$ 15,617,914	\$ 17,446,712	\$ 16,202,375	\$ 15,437,668	\$ 10,974,234	\$ 13,749,061	\$ 162,883,007

Note: Totals may not add due to rounding.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL - JULY THROUGH DECEMBER 2019 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
1. Conservation Clause Revenues (Net of Revenue Taxes)	\$11,445,799	\$10,780,594	\$11,475,545	\$11,926,055	\$13,053,272	\$14,567,722	\$15,380,627	\$15,419,414	\$15,024,042	\$14,045,199	\$12,047,872	\$11,513,000	\$156,679,141
2. Adjustment Not Applicable to Period - Prior True-Up ⁽¹⁾	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$1,140,683	\$13,688,198
3. Conservation Revenues Applicable to Period (Line 1 + 2)	\$12,586,483	\$11,921,277	\$12,616,228	\$13,066,739	\$14,193,955	\$15,708,405	\$16,521,310	\$16,560,098	\$16,164,725	\$15,185,882	\$13,188,555	\$12,653,683	\$170,367,340
4. Conservation Expenses	\$9,514,421	\$10,495,589	\$10,386,109	\$13,086,622	\$13,199,946	\$16,772,355	\$15,617,914	\$17,446,712	\$16,202,375	\$15,437,668	\$10,974,234	\$13,749,061	\$162,883,007
5. True-Up This Period (Line 3 - 4)	\$3,072,061	\$1,425,688	\$2,230,119	(\$19,883)	\$994,009	(\$1,063,950)	\$903,396	(\$886,614)	(\$37,650)	(\$251,786)	\$2,214,320	(\$1,095,378)	\$7,484,332
6. Interest Provision for the Month (Page 23, Line 10)	\$40,917	\$43,145	\$45,169	\$45,374	\$43,321	\$40,110	\$37,231	\$35,113	\$32,082	\$29,659	\$29,407	\$28,340	\$449,868
7. True-Up & Interest Provision Beginning of Month	\$13,688,198	\$15,660,494	\$15,988,644	\$17,123,249	\$16,008,057	\$15,904,703	\$13,740,179	\$13,540,122	\$11,547,939	\$10,401,687	\$9,038,877	\$10,141,921	\$13,688,198
7a. Deferred True-Up Beginning of Period ⁽¹⁾	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677	\$5,635,677
8. Prior True-Up Collected/(Refunded) ⁽¹⁾	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$1,140,683)	(\$13,688,198)
9. End of Period True-Up - Over/(Under) Recovery	\$21,296,171	\$21,624,321	\$22,758,926	\$21,643,734	\$21,540,380	\$19,375,856	\$19,175,799	\$17,183,616	\$16,037,364	\$14,674,554	\$15,777,599	\$13,569,877	\$13,569,877

(Line 5 + 6 + 7 + 7a + 8)

Note : Totals may not add due to rounding.

⁽¹⁾ The 2017 Final True-up, 2018 Actual/Estimated true-up and associated interest amounts do not tie to the amounts approved in Order No. PSC- 2018-0562-FOF-EG issued November 28, 2018 due to corrections to CWIP balances related to ECCR charges incorrectly booked to base rates. The errors, which affected 2017 ending balances for the Residential Load Management and Business On Call programs, were not identified until after FPL filed the 2018 Actual/Estimated true-up, and the resulting corrections moving charges from base rates to ECCR were made in October 2018. These corrections resulted in a decrease of \$1,414 to the 2017 final net true-up over-recovery amount and a \$22,157 decrease to the 2018 Actual/Estimated true-up over-recovery amount.

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

SCHEDULE C-3

JANUARY THROUGH JUNE 2019 ACTUAL - JULY THROUGH DECEMBER 2019 ESTIMATED

INTEREST PROVISION	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
1. Beginning True-Up Amount (Page 24, Line 7 + 7a)	19,323,875	21,296,171	21,624,321	22,758,926	21,643,734	21,540,380	19,375,856	19,175,799	17,183,616	16,037,364	14,674,554	15,777,599	230,412,196
2. Ending True-Up Amount Before Interest (Page 24, Line 5+7+7a+8)	21,255,254	21,581,176	22,713,757	21,598,360	21,497,059	19,335,746	19,138,569	17,148,502	16,005,282	14,644,895	15,748,191	13,541,537	224,208,330
3. Total of Beginning & Ending True-Up (Line 1 + 2)	40,579,129	42,877,346	44,338,078	44,357,286	43,140,793	40,876,126	38,514,424	36,324,301	33,188,898	30,682,259	30,422,745	29,319,135	454,620,520
4. Average True-Up Amount (50% of Line 3)	20,289,564	21,438,673	22,169,039	22,178,643	21,570,396	20,438,063	19,257,212	18,162,151	16,594,449	15,341,130	15,211,372	14,659,568	227,310,260
5. Interest Rate - First Day of Reporting Business Month	2.42000%	2.42000%	2.41000%	2.48000%	2.43000%	2.39000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	28.47000%
6. Interest Rate - First Day of Subsequent Business Month	2.42000%	2.41000%	2.48000%	2.43000%	2.39000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	28.37000%
7. Total (Line 5 + 6)	4.84000%	4.83000%	4.89000%	4.91000%	4.82000%	4.71000%	4.64000%	4.64000%	4.64000%	4.64000%	4.64000%	4.64000%	56.84000%
8. Average Interest Rate (50% of Line 7)	2.42000%	2.41500%	2.44500%	2.45500%	2.41000%	2.35500%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	2.32000%	28.42000%
9. Monthly Average Interest Rate (Line 8 / 12)	0.20167%	0.20125%	0.20375%	0.20458%	0.20083%	0.19625%	0.19333%	0.19333%	0.19333%	0.19333%	0.19333%	0.19333%	2.36833%
10. Interest Provision for the Month (Line 4 x 9)	40,917	43,145	45,169	45,374	43,321	40,110	37,231	35,113	32,082	29,659	29,407	28,340	449,868

Note : Totals may not add due to rounding.

SCHEDULE C-5

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 Ceiling Insulation

This program encourages customers to improve the home's thermal efficiency.

3. 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.

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 that achieve BuildSmart® certification and move towards ENERGY STAR® qualifications.

6. Residential Low Income

This program assists low income customers through state Weatherization Assistance Provider (WAP) agencies and FPL-conducted Energy Retrofits.

7. 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.

8. Cogeneration and Small Power Production

This program facilitates the interconnection and administration of contracts for co-generators and small power producers.

9. Business Lighting

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

10. 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.

SCHEDULE C-5

11. 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.

12. 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

13. Business Heating, Ventilating & AC (HVAC)

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

14. Business Custom Incentive (BCI)

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

15. Conservation Research & Development (CRD) Project

This project consists of research studies designed to: identify new energy efficient technologies; evaluate and quantify their impacts on energy, demand and customers; and where appropriate and cost-effective, incorporate an emerging technology into a DSM program.

16. Business Photovoltaic 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. This pilot was discontinued on December 31, 2015. There will be capital depreciation and return costs for this pilot until 2020 when ownership of the last PV systems is transferred to their respective customers.

17. Common Expenses

For administrative efficiency this includes all costs that are not specifically attributable to a particular program.

SCHEDULE C-5

Florida Power & Light Company
Program Progress - 2019 Actual/Estimated and 2020 Projection

Pgm. No.	Program Title	2019 Actual/Estimated	2020 Projection	Progress Summary (Inception through June 2019)
1	Residential Energy Survey	Surveys = 95,726 Cost = \$13,290,654	Surveys = 100,000 Cost = \$14,042,441	Surveys = 4,007,836
2	Residential Ceiling Insulation	Participants = 3,652 Cost = \$767,976	Participants = 1,831 Cost = \$451,182	Participants = 580,589
3	Residential Load Management (On Call)	Participants = 11,795 Cost = \$45,896,653	Participants = 11,000 Cost = \$46,633,385	Participants = 707,711
4	Residential Air Conditioning	Participants = 20,712 Cost = \$3,496,470	Participants = 17,067 Cost = \$2,840,484	Participants = 1,959,842
5	Residential New Construction (BuildSmart®)	Participants = 3,015 Cost = \$542,883	Participants = 2,318 Cost = \$560,743	Participants = 49,089
6	Residential Low-Income	Participants = 2,607 Cost = \$392,940	Participants = 5,000 Cost = \$972,533	Participants = 17,192
7	Business On Call	kW = 418 Cost = \$3,074,287	kW = 425 Cost = \$3,109,326	MW under contract = 78
8	Cogeneration & Small Power Production	MW = 444 GWh = 1,141 Cost = \$113,533	MW = 114 GWh = 1,078 Cost = \$95,422	MW & GWh represent contracted purchase power Firm Producers = 4 As Available Producers = 12
9	Business Lighting	kW = 5,017 Cost = \$602,833	kW = 5,043 Cost = \$487,838	kW = 308,344
10	Commercial/Industrial Load Control (CILC)	Closed to new participants Cost = \$41,817,387	Closed to new participants Cost = \$41,071,174	MW under contract = 466
11	Commercial/Industrial Demand Reduction	kW = 22,203 Cost = \$26,643,776	kW = 24,915 Cost = \$28,611,878	MW under contract = 320
12	Business Energy Evaluation	Evaluations = 8,853 Cost = \$7,856,905	Evaluations = 31,500 Cost = \$8,012,352	Evaluations = 250,816
13	Business Heating, Ventilating and Air Conditioning	kW = 15,046 Cost = \$9,897,963	kW = 9,088 Cost = \$5,193,575	kW = 419,941
14	Business Custom Incentive	kW = 238 Cost = \$78,478	kW = 0 Cost = \$31,959	kW = 54,802
15	Conservation Research & Development	Cost = \$50,000	Cost = \$257,591	See Schedule C-5, Page 28
16	Business Photovoltaic for Schools ⁽¹⁾	Cost = \$1,049,677	Cost = \$374,782	Not Applicable
17	Common Expenses	Cost = \$7,310,593	Cost = \$6,633,740	Not Applicable

(1) Recovery of Depreciation and Return
 kW and MW reduction are at the generator

SCHEDULE C-5

Conservation Research & Development (CRD) Program

FPL is continuing its participation with Electric Power Research Institute (EPRI) research projects which produce an “EE Technology Readiness Guide” providing participating utilities with up-to-date readiness assessments of technologies in various stages of development and enables comparisons among these technologies. The technologies are currently being assessed through multiple EPRI programs such as the Technology Innovation program and the End-Use Energy Efficiency and Demand Response research program. Participation in these collaborative projects with EPRI allows FPL to cost-efficiently gain this information by leveraging co-funding with other utilities. FPL also expects it will engage in other CRD projects in 2020.

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Conservation Cost Recovery
Clause

Docket No.: 20190002-EG
Filed: June 20, 2019

ERRATA SHEET

May 1, 2019 Testimony and Exhibit of John N. Floyd

TESTIMONY

<u>Page No.</u>	<u>Line No.</u>	<u>Change</u>
Page 4	Line 15	Change “382,217” to “390,862”
Page 4	Line 23	Change “15,102” to “15,762”
Page 5	Line 2	Change “3,270” to “3,272”
Page 5	Line 11	Change “443” to “987”
Page 5	Line 18	Change “306” to “308”

EXHIBIT JNF-1

<u>Schedule</u>	<u>Description</u>
CT-1	See Revised Schedule CT-1 attached hereto ⁽¹⁾
CT-2	See Revised Schedule CT-2 attached hereto ⁽¹⁾⁽²⁾
CT-3	See Revised Schedule CT-3 attached hereto Pages 2-3 of 5 ⁽²⁾ Pages 4-5 of 5 ⁽¹⁾
CT-6	See Revised Schedule CT-6 attached hereto ⁽³⁾

Notes:

All revisions are highlighted in blue

⁽¹⁾ – Revisions correct for interest calculation

⁽²⁾ – Misc. Rounding Adjustments

⁽³⁾ – Revisions correct for participation figures in four Demand Side Management Programs

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CT-2	Analysis of Energy Conservation Program Costs	3
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Gulf Power Company
 ENERGY CONSERVATION COST RECOVERY (ECCR)
 Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

	\$	\$
Actual		
1. Principal	2,375,967	
2. Interest	26,829	
3. Actual Over/(Under) Recovery Ending Balance		2,402,796
Estimated/Actual as filed August 10, 2018		
4. Principal	1,989,787	
5. Interest	22,148	
6. Total Estimated/Actual Over/(Under) Recovery		2,011,934
7. Adjusted Net True-up Over/(Under) Recovery (Line 3 - 6)		390,862

Schedule CT-2
REVISED 6/20/19

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

Analysis of Energy Conservation Program Costs
Actual Compared to Estimated/Actual

	<u>Actual</u>	<u>Est/Actual</u>	<u>Difference</u>
	\$	\$	\$
1. Depreciation, Return & Property Tax	3,238,745.32	3,241,157.44	(2,412.12)
2. Payroll & Benefits	3,680,590.14	4,042,267.08	(361,676.94)
3. Materials & Supplies	3,715,781.39	3,832,096.07	(116,314.68)
4. Advertising	441,929.68	538,080.87	(96,151.19)
5. Incentives	322,203.24	493,639.92	(171,436.68)
6. Adjustments	0.00	0.00	0.00
7. Other	0.00	0.00	0.00
8. Subtotal	<u>11,399,250.51</u>	<u>12,147,241.38</u>	<u>(747,990.87)</u>
9. Program Revenues	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
10. Total Program Costs	<u>11,399,250.51</u>	<u>12,147,241.38</u>	<u>(747,990.87)</u>
11. Less: Payroll Adjustment	0.00	0.00	0.00
12. Amounts Inc. in Base Rate	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
13. Conservation Adjustment Revenues	<u>13,875,513.88</u>	<u>14,237,323.69</u>	<u>(361,809.81)</u>
14. Rounding Adjustment	<u>13,875,514.00</u>	<u>14,237,324.00</u>	<u>(361,810.00)</u>
15. True-up Before Adjustment Over/(Under) Recovery	<u>2,476,262</u>	2,090,081	<u>386,181</u>
16. Interest Provision	<u>26,829</u>	22,148	<u>4,681</u>
17. Prior Period True-up	(100,295)	(100,295)	0
18. Other	<u>0</u>	<u>0</u>	<u>0</u>
19. End of Period True-up	<u>2,402,796</u>	<u>2,011,934</u>	<u>390,862</u>

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

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	(124,713.26)	(37,691.60)	0.00	(32,531.93)	0.00	(194,936.79)	0.00	(194,936.79)
2. Community Energy Saver	0.00	(8,329.21)	192,434.95	0.00	0.00	0.00	184,105.74	0.00	184,105.74
3. Residential Custom Incentive	0.00	(2,985.31)	(25,556.88)	0.00	0.00	(10,000.00)	(38,542.19)	0.00	(38,542.19)
4. HVAC Efficiency	0.00	(24,132.05)	(142,992.91)	0.00	0.00	(104,507.13)	(271,632.09)	0.00	(271,632.09)
5. Residential Building Efficiency	0.00	(27,235.64)	(45,348.47)	0.00	3,304.50	1,015.95	(68,263.66)	0.00	(68,263.66)
6. Energy Select	(2,412.12)	(64,876.05)	30,182.19	0.00	(66,923.76)	0.00	(104,029.74)	0.00	(104,029.74)
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Energy Audit	0.00	(25,273.60)	(30,698.40)	0.00	0.00	0.00	(55,972.00)	0.00	(55,972.00)
8. HVAC Retrocommissioning	0.00	(4,299.80)	(8,419.99)	0.00	0.00	(12,025.24)	(24,745.03)	0.00	(24,745.03)
9. Commercial Building Efficiency	0.00	(62,284.05)	(30,602.80)	0.00	0.00	(23,178.26)	(116,065.11)	0.00	(116,065.11)
10. Commercial / Industrial Custom Incentive	0.00	(6,992.15)	(31,782.22)	0.00	0.00	(20,000.00)	(58,774.37)	0.00	(58,774.37)
11. Residential Time of Use Rate Pilot	0.00	(5,130.91)	774.65	0.00	0.00	(3,277.64)	(7,633.90)	0.00	(7,633.90)
12. Conservation Demonstration and Developme	0.00	(5,424.91)	13,386.80	0.00	0.00	0.00	7,961.89	0.00	7,961.89
13. Critical Peak Option	0.00	0.00	0.00	0.00	0.00	535.64	535.64	0.00	535.64
14. Less Base Rate Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15. Total All Programs	(2,412.12)	(361,676.94)	(116,314.68)	0.00	(96,151.19)	(171,436.68)	(747,991.61)	0.00	(747,991.61)

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018
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	0.00	1,171,647.11	245,417.34	0.00	205,548.94	0.00	1,622,613.39	0.00	1,622,613.39
2. Community Energy Saver	0.00	125,608.57	889,818.74	0.00	0.00	0.00	1,015,427.31	0.00	1,015,427.31
3. Residential Custom Incentive	0.00	54,634.66	5,806.13	0.00	0.00	0.00	60,440.79	0.00	60,440.79
4. HVAC Efficiency	0.00	242,815.58	547,126.09	0.00	0.00	84,753.87	874,695.54	0.00	874,695.54
5. Residential Building Efficiency	0.00	233,440.80	26,740.05	0.00	3,304.50	127,757.45	391,242.80	0.00	391,242.80
6. Energy Select	3,238,745.32	705,945.69	1,813,768.01	0.00	233,076.24	0.00	5,991,535.26	0.00	5,991,535.26
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Energy Audit	0.00	611,714.84	62,429.11	0.00	0.00	0.00	674,143.95	0.00	674,143.95
8. HVAC Retrocommissioning	0.00	94,828.55	19,035.66	0.00	0.00	9,844.76	123,708.97	0.00	123,708.97
9. Commercial Building Efficiency	0.00	329,262.38	48,725.85	0.00	0.00	39,442.29	417,430.52	0.00	417,430.52
10. Commercial / Industrial Custom Incentive	0.00	43,755.89	4,793.01	0.00	0.00	0.00	48,548.90	0.00	48,548.90
11. Residential Time of Use Rate Pilot	0.00	36,814.83	8,115.22	0.00	0.00	0.00	44,930.05	0.00	44,930.05
Conservation Demonstration and Development:									
a. Tesla Powerwall Demand Response	0.00	10,040.42	14,992.96	0.00	0.00	0.00	25,033.38	0.00	25,033.38
b. Tesla Powerwall Demand Photovoltaic	0.00	10,040.41	15,649.33	0.00	0.00	0.00	25,689.74	0.00	25,689.74
c. Domestic Hot Water Analysis	0.00	10,040.41	5,363.89	0.00	0.00	0.00	15,404.30	0.00	15,404.30
d. Smart Thermostat/Meter Data Analysis	0.00	0.00	8,000.00	0.00	0.00	0.00	8,000.00	0.00	8,000.00
e. Total	0.00	30,121.24	44,006.18	0.00	0.00	0.00	74,127.42	0.00	74,127.42
13. Critical Peak Option	0.00	0.00	0.00	0.00	0.00	60,404.87	60,404.87	0.00	60,404.87
14. Total All Programs	3,238,745.32	3,680,590.14	3,715,781.39	0.00	441,929.68	322,203.24	11,399,250.51	0.00	11,399,250.51

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

**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 Amortization & Return on Investment	170,280.33	119,567.71	126,718.36	95,416.56	137,545.49	164,841.73	153,204.34	104,461.44	152,090.71	87,943.73	78,145.27	232,397.72	1,622,613.39
Total	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
	170,280.33	119,567.71	126,718.36	95,416.56	137,545.49	164,841.73	153,204.34	104,461.44	152,090.71	87,943.73	78,145.27	232,397.72	1,622,613.39
2. Community Energy Saver	38,449.65	78,623.49	72,573.60	67,093.69	58,646.33	86,618.81	78,071.16	82,230.16	110,523.81	54,199.52	109,445.06	178,952.03	1,015,427.31
3. Residential Custom Incentive	5,783.31	2,380.68	3,579.92	8,238.66	6,190.56	5,568.85	5,602.52	5,090.56	4,621.59	3,718.94	3,057.73	6,607.47	60,440.79
4. HVAC Efficiency	35,362.77	62,392.27	62,549.37	108,419.61	96,503.96	79,980.65	82,109.11	85,923.61	71,306.52	55,158.43	40,792.49	94,196.75	874,695.54
5. Residential Building Efficiency	29,714.55	38,285.43	27,509.73	33,384.27	26,831.98	44,876.50	27,727.98	29,994.51	26,243.72	21,345.88	19,841.92	65,486.33	391,242.80
6. Energy Select Amortization & Return on Investment	229,120.16	235,428.33	336,836.01	148,453.55	204,869.94	265,101.81	231,338.88	250,397.60	234,419.36	205,219.71	11,297.87	400,306.72	2,752,789.94
Total	268,844.69	269,209.73	270,069.55	270,826.03	270,875.75	271,613.84	267,542.21	268,833.00	269,990.64	270,556.04	270,572.65	269,811.19	3,238,745.32
	497,964.85	504,638.06	606,905.56	419,279.58	475,745.69	536,715.65	498,881.09	519,230.60	504,410.00	475,775.75	281,870.52	670,117.91	5,991,535.26
Commercial / Industrial Conservation Programs:													
7. Commercial / Industrial Energy Audit	69,550.99	53,371.96	66,482.59	42,064.72	62,325.67	55,710.02	61,107.22	58,431.34	51,974.28	34,594.82	35,045.43	83,484.91	674,143.95
8. HVAC Retrocommissioning	5,544.46	6,384.85	19,387.74	13,066.85	14,208.90	8,669.20	8,786.80	9,653.06	8,869.15	6,640.45	5,378.43	17,119.08	123,708.97
9. Commercial Building Efficiency	27,499.99	48,053.52	34,679.10	45,437.75	36,951.34	48,577.93	37,191.88	27,586.28	27,173.42	19,368.22	29,825.27	35,085.82	417,430.52
10. Commercial / Industrial Custom Incentive	5,230.60	5,487.18	5,026.37	1,104.68	6,481.07	4,545.37	4,427.70	4,041.23	3,043.06	2,673.46	2,013.19	4,474.99	48,548.90
11. Residential Time of Use Rate Pilot	3,118.92	10,868.74	4,374.10	3,495.26	3,131.91	3,226.83	3,133.73	3,156.54	4,043.47	1,703.90	1,203.75	3,472.90	44,930.05
12. Conservation Demonstration and Development:													
a. Tesla Powerwall Demand Response	563.17	1,700.18	10,520.34	992.69	852.82	893.05	5,067.92	1,189.88	1,462.28	483.30	328.30	979.46	25,033.38
b. Tesla Powerwall Demand Photovoltaic	563.17	1,700.17	15,750.33	992.66	794.24	893.04	867.92	874.88	1,462.28	483.30	328.30	979.46	25,689.74
c. Domestic Hot Water Analysis	563.17	1,687.78	1,192.94	992.66	862.15	878.00	852.56	855.62	883.95	457.71	4,815.08	1,362.68	15,404.30
d. Smart Thermostat/Meter Data Analysis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,000.00	0.00	0.00	8,000.00
e. Total	1,689.51	5,088.12	27,463.60	2,978.01	2,509.21	2,664.09	6,788.39	2,920.38	3,808.52	9,424.32	5,471.68	3,321.60	74,127.42
13. Critical Peak Option	(127,452.17)	(22,924.48)	19,637.47	19,919.75	20,710.98	20,710.98	23,009.82	22,847.30	22,654.84	22,289.16	21,331.13	17,670.09	60,404.87
14. Total All Programs	762,737.80	912,217.73	1,076,887.51	859,899.39	947,783.08	1,062,706.61	990,041.74	955,567.01	990,763.09	794,836.58	633,421.87	1,412,388.10	11,999,250.51

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

**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	1,457,877.54	759,043.15	800,816.23	845,056.98	1,240,120.23	1,466,248.83	1,554,218.83	1,478,536.15	1,357,473.41	1,159,753.31	921,609.14	834,760.08	13,875,513.88
3. Total Revenues	1,457,877.54	759,043.15	800,816.23	845,056.98	1,240,120.23	1,466,248.83	1,554,218.83	1,478,536.15	1,357,473.41	1,159,753.31	921,609.14	834,760.08	13,875,513.88
4. Adjustment not Applicable to Period - Prior True Up	(11,952.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(11,950.00)	(143,402.00)
5. Conservation Revenues Applicable to Period	1,445,925.54	747,093.15	788,866.23	833,106.98	1,228,170.23	1,454,298.83	1,542,268.83	1,466,586.15	1,345,523.41	1,147,803.31	909,659.14	822,810.08	13,732,111.88
6. Conservation Expenses (CT-3, Page 3, Line 14)	762,737.80	912,217.73	1,076,887.51	859,899.39	947,783.08	1,062,706.61	990,041.74	955,567.01	990,763.09	794,836.58	633,421.87	1,412,388.10	11,399,250.51
7. True Up this Period (Line 5 - 6)	683,187.74	(165,124.58)	(288,021.28)	(26,792.41)	280,387.15	391,592.22	552,227.09	511,019.14	354,760.32	352,966.73	276,237.27	(589,578.02)	2,332,861.37
8. Interest Provision this Period (CT-3, Page 5, Line 11)	313.21	665.50	441.69	246.71	461.57	1,035.19	1,867.61	2,767.59	3,709.78	4,656.32	5,380.54	5,283.11	26,828.82
9. True Up & Interest Provision Beginning of Month	(100,295.78)	595,157.17	442,648.09	167,018.50	152,422.80	445,221.52	849,798.93	1,415,843.63	1,941,580.36	2,312,000.46	2,681,573.51	2,975,141.32	(100,295.78)
10. Prior True Up Collected or Refunded	11,952.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	11,950.00	143,402.00
11. End of Period- Net True Up	595,157.17	442,648.09	167,018.50	152,422.80	445,221.52	849,798.93	1,415,843.63	1,941,580.36	2,312,000.46	2,681,573.51	2,975,141.32	2,402,796.41	2,402,796.41

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

**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	(100,295.78)	595,157.17	442,648.09	167,018.50	152,422.80	445,221.52	849,798.93	1,415,843.63	1,941,580.36	2,312,000.46	2,681,573.51	2,975,141.32	
2. Ending True up before Interest	594,843.96	441,982.59	166,576.81	152,176.09	444,759.95	848,763.74	1,413,976.02	1,938,812.77	2,308,290.68	2,676,917.19	2,969,760.78	2,397,513.30	
3. Total beginning & ending	494,548.18	1,037,139.76	609,224.90	319,194.59	597,182.75	1,293,985.26	2,263,774.95	3,354,656.40	4,249,871.04	4,988,917.65	5,651,334.29	5,372,654.62	
4. Average True up Amount	247,274.09	518,569.88	304,612.45	159,597.30	298,591.38	646,992.63	1,131,887.47	1,677,328.20	2,124,935.52	2,494,458.82	2,825,667.14	2,686,327.31	
5. Interest Rate First Day Reporting Business Month	1.5800	1.4600	1.6200	1.8600	1.8500	1.8600	1.9800	1.9800	1.9800	2.2100	2.2700	2.3000	
6. Interest Rate First Day Subsequent Business Month	1.4600	1.6200	1.8600	1.8500	1.8600	1.9800	1.9800	1.9800	2.2100	2.2700	2.3000	2.4200	
7. Total of Lines 5 and 6	3.0400	3.0800	3.4800	3.7100	3.7100	3.8400	3.9600	3.9600	4.1900	4.4800	4.5700	4.7200	
8. Average Interest rate (50% of Line 7)	1.5200	1.5400	1.7400	1.8550	1.8550	1.9200	1.9800	1.9800	2.0950	2.2400	2.2850	2.3600	
9. Monthly Average Interest Rate Line 8 \ 12	0.001267	0.001283	0.001450	0.001546	0.001546	0.001600	0.001650	0.001650	0.001746	0.001867	0.001904	0.001967	
10. Interest Adjustment													
11. Interest Provision (Line 4 X 9)	313.21	665.50	441.69	246.71	461.57	1,035.19	1,867.61	2,767.59	3,709.78	4,656.32	5,380.54	5,283.11	26,828.82

Gulf Power Company
ENERGY CONSERVATION COST RECOVERY (ECCR)
 Calculation of the Final True-Up Amount
For the Period: January 2018 - December 2018

**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)		75,729.91	127,609.98	119,101.95	56,912.69	58,441.98	81,791.00	74,167.19	78,710.13	95,124.72	78,846.75	(45,045.74)	135,134.77	
2 Depreciable Base (Cumulative Plant Additions PM Ln 2 + CM Ln 1)	16,214,255.60	16,289,985.51	16,417,595.49	16,536,697.44	16,593,610.13	16,652,052.11	16,733,843.11	16,808,010.30	16,886,720.43	16,981,845.15	17,060,691.90	17,015,646.16	17,150,780.93	
3 Depreciation Expense (Note A)		107,014.09	107,513.90	108,356.13	109,142.20	109,517.83	109,903.54	110,443.36	110,932.87	111,452.35	112,080.18	112,600.57	112,303.26	1,321,260.28
4 Salvage, Cost of Removal and Retirement		(16,694.75)	(143.22)	(11,592.97)	5,087.98	(19,787.13)	(22,163.27)	(17,294.61)	(34,292.13)	(19,017.77)	(28,955.04)	(30,517.45)	(51,363.91)	
5 Less: Accum. Depr. COR and Sal. (PM Ln 5 + CM Ln 3 + 4)	(7,743,275.56)	(7,652,956.22)	(7,545,586.54)	(7,448,822.38)	(7,334,592.20)	(7,244,861.50)	(7,157,121.23)	(7,063,972.48)	(6,987,331.74)	(6,894,897.16)	(6,811,772.02)	(6,729,688.90)	(6,688,749.55)	
6 Net Plant In Service (CM Ln 2 - CM Ln 5)	23,957,531.16	23,942,941.73	23,963,181.03	23,985,519.82	23,928,202.33	23,896,913.61	23,890,964.34	23,871,982.78	23,874,052.17	23,876,742.31	23,872,463.92	23,745,335.06	23,819,530.48	
7 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	
8 CWIP Balance (PM Ln 8 + CM Ln 7)	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 Inventory	790,297.91	794,002.50	739,559.87	757,308.88	764,639.90	736,878.66	919,771.47	1,006,088.75	1,214,761.34	1,222,777.06	1,194,684.48	1,179,349.54	1,086,542.95	
10 Net Investment (CM Ln 6 + CM Ln 8 + CM Ln 9)	24,747,829.07	24,736,944.23	24,702,740.90	24,742,828.70	24,692,842.23	24,633,792.27	24,810,735.81	24,878,051.53	25,088,813.51	25,099,519.37	25,067,148.40	24,924,684.60	24,906,073.43	
11 Average Net Investment (PM Ln 10 + CM Ln 10)/2		24,742,386.65	24,719,842.57	24,722,784.80	24,717,835.47	24,663,317.25	24,722,264.04	24,844,393.67	24,983,432.52	25,094,166.44	25,083,333.89	24,995,916.50	24,915,379.02	
12 Rate of Return / 12 (Note B)		0.005978	0.005978	0.005978	0.005978	0.005978	0.005978	0.005763	0.005763	0.005763	0.005763	0.005763	0.005763	
13 Return Requirement on Average Net Investment (CM Ln 11 * CM Ln 12)		147,909.99	147,775.22	147,792.81	147,765.22	147,437.31	147,789.69	143,178.24	143,979.52	144,617.68	144,555.25	144,051.47	143,587.33	
14 Property Tax		13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.61	13,920.60	
15 Total Depreciation, Prop Taxes & Return (CM Ln 3 + CM Ln 13 + CM Ln 14)		268,844.69	269,209.73	270,069.55	270,826.03	270,875.75	271,613.84	267,542.21	268,833.00	269,990.64	270,556.04	270,572.65	269,811.19	3,238,745.32

Notes:
 (A) Energy Select Property Additions Depreciated at 2.7% per year.
 (B) Revenue Requirement Return (includes Income Taxes) is: Jan - Jun 5.978%; Jul - Dec 5.763%.

CT-5

GULF POWER COMPANY

Reconciliation and Explanation of
Differences Between Filing and FPSC Audit
Report for Months, January 2018 through December, 2018

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 by providing energy conservation advice and information that encourages the implementation of efficiency measures and behaviors resulting in energy and utility bill savings.

Program Accomplishments:

- Energy Audit – During 2018, Gulf performed 15,762 energy audits. These included 11,121 online audits, 785 in home audits, and 3,856 pre-construction audits.
- School-based Awareness and Education
 - Gulf provided professional development in energy-related science and math for 76 elementary, middle and high school teachers who reach an estimated 2,645 students daily. These teachers received continuing education credits, as well as hands-on energy, efficiency and renewable energy classroom materials and curriculum.
 - Gulf coordinated monthly activities with student energy teams at three schools, measuring energy use at the school and creating a plan to use energy wisely at school and home. Total student reach is 60 students directly.
 - Gulf continued to provide classroom demonstrations and hands-on energy-related activities in schools on a regular basis reaching nearly 100 students.
 - Gulf demonstrated energy efficiency and solar energy in “World of Energy” to approximately 2,500 eighth -grade students and their teachers from 20 schools during two-day state Skills USA competition.

Total direct reach was 5,345 students and 101 teachers.

CT-6
Page 2 of 16
Amended 9/16/19

Program Fiscal Expenditures: For 2018, Gulf projected \$1,817,550 of expenses compared to actual expenses of \$1,622,613, resulting in a variance of \$194,937 or 10.7% under the projection.

Program Progress Summary: Since the approval of this program, Gulf Power Company has performed 257,567 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 2018, 3,272 of Gulf's customers received the measures included in this program compared to a projection of 3,000 participants, a difference of 272 to the projection.

Program Fiscal Expenditures: For 2018, Gulf projected expenses for this program of \$831,322 compared to actual expenses of \$1,015,427, resulting in a variance of \$184,105 or 22.1% over the projection.

Program Progress Summary: A total of 20,777 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 Accomplishments: During 2018, no participants enrolled in this program. While there are no participants recorded in this year, Gulf continues to work with customers in the rental property sector.

Program Fiscal Expenditures: During 2018, \$98,983 in expenses were projected, compared to actual expenses of \$60,441, resulting in a variance of \$38,542 or 38.9% 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

Program Accomplishments: During 2018, compared to the projection for 2018, the following participation was achieved:

Measure	2018 Year End Projection	2018 Actual Participation
HVAC maintenance	2,300	1,038
Duct repair	500	209
HVAC Quality Installation	900	608

Program Fiscal Expenditures: – For 2018, Gulf projected \$1,146,328 in expenses compared to actual expenses of \$874,696 resulting in a variance of \$271,632 or 23.7% under the projection.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
HVAC maintenance	38,831
Duct repair	22,050
HVAC Quality Installation	1,883

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: During 2018, compared to the projection for 2018, the following participation was achieved:

Measure	2018 Year End Projection	2018 Actual Participation	Variance
High Performance Windows	300	776	476
Reflective Roof	210	186	(24)
ENERGY STAR Window A/C	20	25	5

Program Fiscal Expenditures: For 2018, Gulf projected \$459,506 in expenses compared to actual expenses of \$391,243, resulting in a variance of \$68,263 or 14.9% under the projection.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
High Performance Windows	5,786
Reflective Roof	1,793
ENERGY STAR Window A/C	848

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 2018, the Energy *Select* program experienced a net addition of 639 participants compared to a projection of 1,600 or 961 under the projection.

Program Fiscal Expenditures: During 2018, there were projected expenses of \$6,095,565 compared with actual expenses of \$5,991,535. This results in a deviation of \$104,030 or 1.7% under the projection.

Program Progress Summary: As of December 2018, there are 19,798 customer participating in the Energy *Select* 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 an on-line survey. A more comprehensive analysis can be provided by conducting a Technical Assistance Audit (TAA).

Program Accomplishments: During 2018, the Company performed 308 commercial/industrial audits. The total projection for 2018 was 320 audits for a variance of 12 fewer participants than projected.

Program Fiscal Expenditures: For 2018, Gulf projected expenses of \$730,116 compared to actual expenses of \$674,144 for a deviation of \$55,972 or 7.7% under budget.

Program Progress Summary: Since this program was launched, 23,244 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 2018, 78 customers participated in this program compared to a projection of 251 participants, resulting in a variance of 173 fewer participants than projected.

Program Fiscal Expenditures: For 2018, the Company projected \$148,454 in program expenses compared to actual expenses of \$123,709, resulting in a variance of \$24,745 or 16.7% under the projection.

Program Progress Summary: Since its launch in 2011, 1,304 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 Accomplishments: During 2018, compared to the 2018 projection, the measures in this program have had the following participation:

Program	Annual Projections (2018)	Actual Participation (2018)	Variance
Commercial Geothermal Heat Pump (tons of installed HVAC)	71	0	(71)
Ceiling/Roof Insulation (square feet)	184,533	76,533	(108,000)
Commercial Reflective Roof (square feet)	650,300	234,300	(416,000)

Program Fiscal Expenditures: During 2018, the Company projected \$533,495 in expenses compared to actual expenses of \$417,431 for a variance of \$116,064 or 21.8% under the projection.

Program Progress Summary: Since its launch in 2011, customer participation is shown in the table below.

Program	Program to Date Participation
Commercial Geothermal Heat Pump (tons of installed HVAC)	578
Ceiling/Roof Insulation (square feet)	444,535
Commercial Reflective Roof (square feet)	3,541,856

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 2018, there were no participants in this program.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$107,323 compared to actual expenses of \$48,549, resulting in a variance of \$58,774, or 54.8% 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 reductions of 7,070,333 kWh (energy), 741 winter kW (demand) and 1,151 summer kW (demand).

Program Description and Progress

Program Title: Critical Peak Option (CPO)

Program Description: This program offers customers on Gulf Power's Large Power Time of Use (LPT) rate schedule an option to receive credits for capacity that can be reduced during peak load conditions (critical peak events). The program provides a fixed, per KW credit for measured On-Peak Demand and a Critical Peak Demand Charge for any measured demand recorded during a called critical peak event.

Program Accomplishments: During 2018, there were 25 customers participating in this program.

Program Fiscal Expenditures: During the reporting period, the Company projected expenses of \$59,869 compared to actual expenses of \$60,405, resulting in a variance of \$536 or 0.9% over the projection.

Program Progress Summary: This program became a part of Gulf's DSM Plan effective July 1, 2017 pursuant to Gulf's Stipulation and Settlement Agreement approved by the Commission in Order No. PSC-17-0178-S-EI dated May 16, 2017.

Program Description and Progress

Program Title: Experimental Curtailable Load (CL) Rider (new 2018)

Program Description: The CL Rider provides qualifying customers capacity payments for load which can be curtailed during certain conditions. Customers who qualify for the program must commit to a minimum non-firm demand reduction of 4,000 kilowatts (kW). Customers enrolling in the program enter into a CL Service Agreement with Gulf Power for a ten-year period beyond the date of the next planned generating unit addition. The pilot program will be closed to additional customers when the total non-firm demand subject to CL Service Agreements reaches 50 megawatts.

Program Accomplishments: During 2018, there were 0 customers participating in this program.

Program Fiscal Expenditures: During the reporting period, the Company did not incur any expenses associated with the CL Rider.

Program Progress Summary: This program became a part of Gulf's DSM Plan effective May 2018 pursuant to Commission in Order No. PSC-2018-0159-PAA-EI dated March 21, 2018.

Program Description and Progress

Program Title: Residential Service Time of Use Pilot Program

Program Description: The Residential Service Time of Use (RSTOU) rate pilot provides 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 was initially 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 offers customers a per event credit for allowing their thermostat to automatically adjust customers' 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 was to measure customer response to a variable price rate with customer-owned equipment. Customers 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.

The company submitted a final report on the results of this pilot program in August 2018.

Program Accomplishments: During 2018, there were 313 customers participating in this program.

Program Fiscal Expenditures: During 2018, the Company projected expenses of \$52,564 compared to actual expenses of \$44,930, resulting in a variance of \$7,634 or 14.5% under the projection.

Program Progress Summary: Since its launch in February 2016, 330 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:

Tesla Powerwall Demand Response (DR)

Tesla Powerwall Demand Photovoltaic (PV)

These projects evaluated the impacts of integrating battery storage in Residential homes both for Demand Response (DR) and photovoltaic (PV) impacts. Final reports for these two projects were submitted in December 2018.

Domestic Hot Water Analysis

This project addressed an underserved area of the heat pump water heating market: small commercial buildings. Specific focus was paid to the food service industry due to their potential for large domestic hot water usage. These building types are too small and cannot handle the capital intensity of large, engineered heat pump water heating systems; and it was unknown if their usage patterns could be supported by an integrated, residential-sized heat pump water heater. Thus, this project's objectives were as follows:

- Identify customers for participation in this study: Fast food, sandwich shops, cafeteria-style eateries, convenience stores, small laundries, and salons
- Collect number of and type of hot water end uses at each site.
- Install field monitoring on 10 small commercial building types.
- Collect up to six months of hot water usage data at each site.
- Analyze the collected data to develop usage patterns for each site.
- Produce a final report including recommendations to manufacturers on optimal approaches to the small commercial heat pump water heater market.

Collected data was used to produce daily water consumption load shapes for each site type. The data was analyzed and reviewed to determine the proper sizing of heat pump water heaters that will support the average recognized usage patterns. Based on the data, Gulf concluded that a residential-sized heat pump water will accommodate the hot water needs in the small commercial food service industry. Gulf Power shared this data with manufacturers in order to demonstrate the viability

of, and need for, the development of a commercial grade heat pump water heater that fits within a residential-sized water heater footprint.

Smart Thermostat/Meter Data Analysis

This project evaluated the potential to identify energy efficiency opportunities in the home through the analysis of meter and smart thermostat data. A combination of anonymized meter data and smart thermostat data from customers participating in the RSTOU rate pilot was analyzed to identify trends and anomalies that might represent potential energy efficiency opportunities in the home. These opportunities might result from detection of inefficient HVAC equipment or potential thermal envelope issues.

The study did identify potentially inefficient HVAC systems, potential peak season equipment failures, and insulation issues in the customer sample through the data analysis. Limitations in the granularity of meter data limited the effectiveness of whole home load disaggregation.

Program Fiscal Expenditures: Program expenses were forecasted at \$66,166 for the period January through December 2018 compared to actual expenses of \$74,127 for a deviation of \$7,961 or 12.0% over the projection. Project expenses were as follows: Tesla Powerwall Demand Response, \$25,033; Tesla Powerwall Demand Photovoltaic, \$25,690; Domestic Hot Water Analysis, \$15,404 and Smart Thermostat/Meter Data Analysis, \$8,000.

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY CLAUSE
INDEX OF SCHEDULES

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 9
PARTY: GULF POWER COMPANY (GULF) –
(DIRECT)
DESCRIPTION: John N. Floyd JNF-2

GULF POWER COMPANY
 ENERGY CONSERVATION CLAUSE
 SUMMARY OF PROJECTED COST RECOVERY CLAUSE CALCULATION
 For the Period: January, 2020 Through December, 2020

		\$
1.	Net Program Costs: Projected for 2020 (Schedule C-2 Page 2 of 3, Line 17)	10,790,199
2.	True Up: Estimated 2019 (Jan-Jun Actual; Jul-Dec Est.) (Schedule C-3, Page 3 of 5, Line 11)	(4,545,395)
3.	Total (Line 1 + Line 2)	6,244,804
4.	Cost Subject to Revenue Taxes	6,244,804
5.	Revenue Tax	1.00072
6.	Total Recoverable Cost	6,249,300

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	6,249,300
8.	Energy Related Costs	4,163,270
9.	Demand Related Costs (total)	2,086,030
10.	Demand Costs Allocated on 12 CP	1,925,566
11.	Demand Costs Allocated on 1/13 th	160,464

	Energy \$	* Demand \$	Total	Energy	Demand	Total Recoverable Costs Including Revenue Taxes
	\$	\$	\$	\$	\$	\$
12. Est/Actual 2019	7,609,673	2,723,654	10,333,327	(3,349,732)	(1,198,936)	(4,548,668)
13. Percentage	73.64%	26.36%	100.00%			
14. Projected 2020	7,507,596	3,282,603	10,790,199	7,513,002	3,284,966	10,797,968
15. Percentage	69.58%	30.42%	100.00%			
16. Total				4,163,270	2,086,030	6,249,300

* Note: Demand dollars are half of Energy Select, all of Critical Peak Option and all of Curtailable Load.

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY FACTORS
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
For the Period: January, 2020 Through December, 2020

Rate Class	A	B	C	D	E	F	G	H	I
	Average 12 CP Load Factor at Meter	Jan - Dec 2020 Projected KWH Sales at Meter	Projected Avg 12 CP KW at Meter	Demand Loss Expansion Factor	Energy Loss Expansion Factor	Jan - Dec 2020 Projected KWH Sales at Generation	Projected Avg 12 CP KW at Generation	Jan - Dec 2020 Percentage of KWH Sales at Generation	Percentage of 12 CP KW Demand at Generation
RS, RSVP, RSTOU	58.270328%	5,468,715,000	1,071,356	1.00609343	1.00559591	5,499,317,437	1,077,884	50.22061%	57.87766%
GS	57.224449%	302,467,000	60,338	1.00608241	1.00559477	304,159,233	60,705	2.77763%	3.25960%
GSD, GSDT, GSTOU	74.102156%	2,428,641,000	374,135	1.00590017	1.00544671	2,441,869,103	376,342	22.29953%	20.20795%
LP, LPT	85.094449%	879,247,000	117,952	0.98747379	0.99210885	872,308,730	116,475	7.96606%	6.25418%
PX, PXT, RTP, SBS	84.969637%	1,720,313,000	231,121	0.96884429	0.97666479	1,680,169,135	223,920	15.34356%	12.02355%
OS - I / II	767.743332%	104,803,000	1,558	1.00619545	1.00560119	105,390,022	1,568	0.96244%	0.08419%
OS-III	98.645916%	46,843,000	5,421	1.01	1.00558881	47,104,797	5,454	0.00	0.29287%
TOTAL		10,951,029,000	1,861,881			10,950,318,457	1,862,349	100.000000%	100.000000%

Notes:
Column A = Average 12 CP load factor based on actual 2018 load research data.
Column C = Column B / (8760 hours x Column A), 8,760 is the number of hours in 12 months.
Column F = Column B x Column E
Column G = Column C x Column D
Column H = Column F / Total Column F
Column I = Column G / Total Column G

GULF POWER COMPANY
ENERGY CONSERVATION COST RECOVERY FACTORS
CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
For the Period: January, 2020 Through December, 2020

Rate Class	A Jan - Dec 2020 Percentage of KWH Sales at Generation	B Percentage of 12 CP KW Demand at Generation	C Demand Allocation 12CP	D 1/13 th	E Energy Allocation	F Total Conservation Costs	G Jan - Dec 2020 Projected KWH Sales at Meter	H Conservation Recovery Factor cents per KWH
RS, RSVP, RSTOU	50.22061%	57.87766%	\$1,114,474	80586.00	\$2,090,819	\$3,285,879	5,468,715,000	0.060
GS	2.77763%	3.25960%	62,766	4,457	115,640	182,863	302,467,000	0.060
GSD, GSDT, GSTOU	22.29953%	20.20795%	389,117	35,783	928,390	1,353,290	2,428,641,000	0.056
LP, LPT	7.96606%	6.25418%	120,428	12,783	331,649	464,860	879,247,000	0.053
PX, PXT, RTP, SBS	15.34356%	12.02355%	231,521	24,621	638,794	894,936	1,720,313,000	0.052
OS - I / II	0.96244%	0.08419%	1,621	1,544	40,069	43,234	104,803,000	0.041
OS-III	0.43017%	0.29287%	5,639	690	17,909	24,238	46,843,000	0.052
TOTAL	100.00000%	100.00000%	\$1,925,566	\$160,464	\$4,163,270	\$6,249,300	10,951,029,000	

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 2020 through December 2020
- H Column F / G

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
PROJECTED CONSERVATION PROGRAM NET COSTS
For the Period: January, 2020 Through December, 2020

Programs	Depreciation, Return & Property Taxes	Payroll & Benefits	Materials & Supplies	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Residential Conservation Programs:									
1. Residential Energy Audit and Education	0	515,795	142,725	0	329,677	0	988,197	0	988,197
2. Community Energy Saver	0	67,674	721,625	0	0	0	789,299	0	789,299
3. Residential Custom Incentive	0	56,910	900	0	0	0	57,810	0	57,810
4. HVAC Efficiency	0	163,427	806,404	0	0	400,000	1,369,831	0	1,369,831
5. Residential Building Efficiency	0	147,013	79,900	0	0	355,000	581,913	0	581,913
6. Energy Select	3,224,640	347,681	1,552,848	0	75,000	0	5,200,169	0	5,200,169
Subtotal	3,224,640	1,298,501	3,304,402	0	404,677	755,000	8,987,220	0	8,987,220
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Audit	0	429,837	57,065	0	0	0	486,902	0	486,902
8. HVAC Retrocommissioning	0	61,048	47,190	0	0	25,000	133,238	0	133,238
9. Commercial Building Efficiency	0	144,527	70,609	0	0	175,000	390,136	0	390,136
10. Commercial / Industrial Custom Incentive	0	32,686	2,500	0	0	0	35,186	0	35,186
Subtotal	0	668,097	177,364	0	0	200,000	1,045,461	0	1,045,461
11. Residential Time of Use Rate Pilot	0	0	0	0	0	0	0	0	0
12. Conservation Demonstration and Development	0	0	75,000	0	0	0	75,000	0	75,000
13. Critical Peak Option	0	0	0	0	0	0	0	0	0
14. Curtailable Load	0	0	20,000	0	0	662,518	682,518	0	682,518
15. Total All Programs	3,224,640	1,966,598	3,576,766	0	404,677	1,617,518	10,790,199	0	10,790,199
16. Less: Base Rate Recovery	0	0	0	0	0	0	0	0	0
17. Net Program Costs	3,224,640	1,966,598	3,576,766	0	404,677	1,617,518	10,790,199	0	10,790,199

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
Energy Select

For the Period: January, 2020 Through December, 2020

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)		77,368	77,368	77,368	77,368	77,368	77,368	66,175	66,175	66,175	66,175	66,175	66,175	66,175
2.	Depreciation Base	17,766,557	17,843,925	17,921,292	17,998,660	18,076,028	18,153,396	18,230,764	18,296,939	18,363,115	18,429,290	18,495,466	18,561,641	18,627,817	18,627,817
3.	Depreciation Expense (A)		117,259	117,770	118,281	118,791	119,302	119,812	120,323	120,760	121,197	121,633	122,070	122,507	1,439,705
4.	Cumulative Plant in Service Additions	17,766,557	17,843,925	17,921,292	17,998,660	18,076,028	18,153,396	18,230,764	18,296,939	18,363,115	18,429,290	18,495,466	18,561,641	18,627,817	
5.	Salvage, Cost of Removal and Retirement		0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Less: Accumulated Depreciation	(5,331,268)	(5,214,009)	(5,096,239)	(4,977,958)	(4,859,167)	(4,739,865)	(4,620,053)	(4,499,730)	(4,378,970)	(4,257,773)	(4,136,140)	(4,014,070)	(3,891,563)	
7.	Net Plant in Service (Line 4 - 6)	23,097,825	23,057,933	23,017,531	22,976,618	22,935,195	22,893,261	22,850,817	22,796,669	22,742,085	22,687,063	22,631,605	22,575,711	22,519,379	
8.	Net Additions/Reductions to CWIP		0	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	0
10.	Inventory		610,230	569,680	529,130	488,580	448,030	407,480	366,929	326,379	285,829	245,279	204,729	164,179	
11.	Net Investment (Line 7 + 9 + 10)	23,097,825	23,668,164	23,587,211	23,505,748	23,423,775	23,341,290	23,258,296	23,163,598	23,068,464	22,972,892	22,876,885	22,780,440	22,683,558	
12.	Average Net Investment		23,382,994	23,627,687	23,546,480	23,464,761	23,382,533	23,299,793	23,210,947	23,116,031	23,020,678	22,924,888	22,828,662	22,731,999	
13.	Rate of Return / 12 (Including Income Taxes) (B)		0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817
14.	Return Requirement on Average Net Investment		136,019	137,442	136,970	136,495	136,016	135,535	135,018	134,466	133,911	133,354	132,794	132,232	1,620,252
15.	Property Taxes		13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,719	164,683
16.	Total Depreciation, Return and Property Taxes (Line 3+14+15)		267,002	268,936	268,975	269,010	269,042	269,071	269,065	268,950	268,832	268,711	268,588	268,458	3,224,640

Notes:

(A) Energy Select Property Additions Depreciated at 7.9% per year.

(B) Revenue Requirement Return (includes Income Taxes) is 6.9802% per year.

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2019 Through June, 2019, Actual
July, 2019 Through December 2019, Estimated

Actual	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials & Supplies	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Residential Conservation Programs:									
1. Residential Energy Audit and Education									
a. Actual	0.00	467,142.00	7,233.00	0.00	(45,393.00)	0.00	428,982.00	0.00	428,982.00
b. Estimated July through December	0.00	385,451.00	22,533.00	0.00	150,000.00	0.00	557,984.00	0.00	557,984.00
c. Total	0.00	852,593.00	29,766.00	0.00	104,607.00	0.00	986,966.00	0.00	986,966.00
2. Community Energy Saver									
a. Actual	0.00	52,001.00	346034.75	0.00	0.00	0.00	398,035.75	0.00	398,035.75
b. Estimated July through December	0.00	25,469.00	358,034.75	0.00	0.00	0.00	383,503.75	0.00	383,503.75
c. Total	0.00	77,470.00	704,069.50	0.00	0.00	0.00	781,539.50	0.00	781,539.50
3. Residential Custom Incentive									
a. Actual	0.00	29,379.00	75.07	0.00	0.00	0.00	29,454.07	0.00	29,454.07
b. Estimated July through December	0.00	21,770.00	500.00	0.00	0.00	0.00	22,270.00	0.00	22,270.00
c. Total	0.00	51,149.00	575.07	0.00	0.00	0.00	51,724.07	0.00	51,724.07
4. HVAC Efficiency									
a. Actual	0.00	72,779.00	209,411.90	0.00	0.00	12,401.00	294,591.90	0.00	294,591.90
b. Estimated July through December	0.00	72,779.00	314,500.00	0.00	0.00	252,599.00	639,878.00	0.00	639,878.00
c. Total	0.00	145,558.00	523,911.90	0.00	0.00	265,000.00	934,469.90	0.00	934,469.90
5. Residential Building Efficiency									
a. Actual	0.00	100,600.00	27,164.72	0.00	0.00	96,634.00	224,398.72	0.00	224,398.72
b. Estimated July through December	0.00	80,310.00	25,164.72	0.00	0.00	242,975.00	348,449.72	0.00	348,449.72
c. Total	0.00	180,910.00	52,329.44	0.00	0.00	339,609.00	572,848.44	0.00	572,848.44
6. Energy Select									
a. Actual	1,607,732.45	250,733.00	863,340.11	0.00	137,976.00	0.00	2,859,781.56	0.00	2,859,781.56
b. Estimated July through December	1,610,280.74	148,601.00	807,500.00	0.00	20,000.00	0.00	2,586,381.74	0.00	2,586,381.74
c. Total	3,218,013.19	399,334.00	1,670,840.11	0.00	157,976.00	0.00	5,446,163.30	0.00	5,446,163.30
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Energy Audit									
a. Actual	0.00	207,984.00	9,613.98	0.00	0.00	0.00	217,597.98	0.00	217,597.98
b. Estimated July through December	0.00	207,984.00	9,613.98	0.00	0.00	0.00	217,597.98	0.00	217,597.98
c. Total	0.00	415,968.00	19,227.96	0.00	0.00	0.00	435,195.96	0.00	435,195.96
8. HVAC Retrocommissioning									
a. Actual	0.00	37,272.00	17,222.65	0.00	0.00	50.00	54,544.65	0.00	54,544.65
b. Estimated July through December	0.00	37,272.00	26,500.00	0.00	0.00	10,000.00	73,772.00	0.00	73,772.00
c. Total	0.00	74,544.00	43,722.65	0.00	0.00	10,050.00	128,316.65	0.00	128,316.65

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2019 Through June, 2019, Actual
July, 2019 Through December 2019, Estimated

	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials & Supplies	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Commercial / Industrial Conservation Programs Continued:									
9. Commercial Building Efficiency									
a. Actual	0.00	81,187.00	13,611.57	0.00	0.00	12,405.00	107,203.57	0.00	107,203.57
b. Estimated July through December	0.00	81,187.00	27,000.00	0.00	0.00	80,000.00	188,187.00	0.00	188,187.00
c. Total	0.00	162,374.00	40,611.57	0.00	0.00	92,405.00	295,390.57	0.00	295,390.57
10. Commercial / Industrial Custom Incentive									
a. Actual	0.00	13,714.00	72.11	0.00	0.00	0.00	13,786.11	0.00	13,786.11
b. Estimated July through December	0.00	13,714.00	2,000.00	0.00	0.00	0.00	15,714.00	0.00	15,714.00
c. Total	0.00	27,428.00	2,072.11	0.00	0.00	0.00	29,500.11	0.00	29,500.11
11. Residential Time of Use Rate Pilot									
a. Actual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b. Estimated July through December	0.00	0.00	10,000.00	0.00	0.00	0.00	10,000.00	0.00	10,000.00
c. Total	0.00	0.00	10,000.00	0.00	0.00	0.00	10,000.00	0.00	10,000.00
12. Conservation Demonstration and Development:									
a. Actual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Critical Peak Option									
a. Actual	0.00	0.00	0.00	0.00	0.00	571.72	571.72	0.00	571.72
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	0.00	0.00	0.00	571.72	571.72	0.00	571.72
14. Curtailable									
a. Actual	0.00	0.00	0.00	0.00	0.00	329,381.95	329,381.95	0.00	329,381.95
b. Estimated July through December	0.00	0.00	0.00	0.00	0.00	331,259.04	331,259.04	0.00	331,259.04
c. Total	0.00	0.00	0.00	0.00	0.00	660,640.99	660,640.99	0.00	660,640.99
15. a. Actual	1,607,732.45	1,312,791.00	1,493,779.86	0.00	92,583.00	451,443.67	4,958,329.98	0.00	4,958,329.98
b. Estimated	1,610,280.74	1,074,537.00	1,603,346.45	0.00	170,000.00	916,833.04	5,374,997.23	0.00	5,374,997.23
16. Total All Programs	3,218,013.19	2,387,328.00	3,097,126.31	0.00	262,583.00	1,368,276.71	10,333,327.21	0.00	10,333,327.21

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
Energy Select

For the Period: January, 2020 Through December, 2020

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)		77,368	77,368	77,368	77,368	77,368	77,368	66,175	66,175	66,175	66,175	66,175	66,175	66,175
2.	Depreciation Base	17,766,557	17,843,925	17,921,292	17,998,660	18,076,028	18,153,396	18,230,764	18,296,939	18,363,115	18,429,290	18,495,466	18,561,641	18,627,817	18,627,817
3.	Depreciation Expense (A)		117,259	117,770	118,281	118,791	119,302	119,812	120,323	120,760	121,197	121,633	122,070	122,507	1,439,705
4.	Cumulative Plant in Service Additions	17766556.84	17,843,925	17,921,292	17,998,660	18,076,028	18,153,396	18,230,764	18,296,939	18,363,115	18,429,290	18,495,466	18,561,641	18,627,817	
5.	Salvage, Cost of Removal and Retirement		0	0	0	0	0	0	0	0	0	0	0	0	0
6.	Less: Accumulated Depreciation	(5,331,268)	(5,214,009)	(5,096,239)	(4,977,958)	(4,859,167)	(4,739,865)	(4,620,053)	(4,499,730)	(4,378,970)	(4,257,773)	(4,136,140)	(4,014,070)	(3,891,563)	
7.	Net Plant in Service (Line 4 - 6)	23,097,825	23,057,933	23,017,531	22,976,618	22,935,195	22,893,261	22,850,817	22,796,669	22,742,085	22,687,063	22,631,605	22,575,711	22,519,379	
8.	Net Additions/Reductions to CWIP		0	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	0
10.	Inventory		610,230	569,680	529,130	488,580	448,030	407,480	366,929	326,379	285,829	245,279	204,729	164,179	
11.	Net Investment (Line 7 + 9 + 10)	23,097,825	23,668,164	23,587,211	23,505,748	23,423,775	23,341,290	23,258,296	23,163,598	23,068,464	22,972,892	22,876,885	22,780,440	22,683,558	
12.	Average Net Investment		23,382,994	23,627,687	23,546,480	23,464,761	23,382,533	23,299,793	23,210,947	23,116,031	23,020,678	22,924,888	22,828,662	22,731,999	
13.	Rate of Return / 12 (Including Income Taxes) (B)		0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817
14.	Return Requirement on Average Net Investment		136,019	137,442	136,970	136,495	136,016	135,535	135,018	134,466	133,911	133,354	132,794	132,232	1,620,252
15.	Property Taxes		13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,724	13,719	164,683
16.	Total Depreciation, Return and Property Taxes (Line 3+14+15)		267,002	268,936	268,975	269,010	269,042	269,071	269,065	268,950	268,832	268,711	268,588	268,458	3,224,640

Notes:

(A) *Energy Select* Property Additions Depreciated at 7.9% per year.

(B) Revenue Requirement Return (includes Income Taxes) is 6.9802% per year.

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2019 Through June, 2019, Actual
July, 2019 Through December 2019, Estimated

Actual	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials & Supplies	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Residential Conservation Programs:									
1. Residential Energy Audit and Education									
a. Actual	0.00	467,142.00	7,233.00	0.00	(45,393.00)	0.00	428,982.00	0.00	428,982.00
b. Estimated July through December	0.00	385,451.00	22,533.00	0.00	150,000.00	0.00	557,984.00	0.00	557,984.00
c. Total	0.00	852,593.00	29,766.00	0.00	104,607.00	0.00	986,966.00	0.00	986,966.00
2. Community Energy Saver									
a. Actual	0.00	52,001.00	346034.75	0.00	0.00	0.00	398,035.75	0.00	398,035.75
b. Estimated July through December	0.00	25,469.00	358,034.75	0.00	0.00	0.00	383,503.75	0.00	383,503.75
c. Total	0.00	77,470.00	704,069.50	0.00	0.00	0.00	781,539.50	0.00	781,539.50
3. Residential Custom Incentive									
a. Actual	0.00	29,379.00	75.07	0.00	0.00	0.00	29,454.07	0.00	29,454.07
b. Estimated July through December	0.00	21,770.00	500.00	0.00	0.00	0.00	22,270.00	0.00	22,270.00
c. Total	0.00	51,149.00	575.07	0.00	0.00	0.00	51,724.07	0.00	51,724.07
4. HVAC Efficiency									
a. Actual	0.00	72,779.00	209,411.90	0.00	0.00	12,401.00	294,591.90	0.00	294,591.90
b. Estimated July through December	0.00	72,779.00	314,500.00	0.00	0.00	252,599.00	639,878.00	0.00	639,878.00
c. Total	0.00	145,558.00	523,911.90	0.00	0.00	265,000.00	934,469.90	0.00	934,469.90
5. Residential Building Efficiency									
a. Actual	0.00	100,600.00	27,164.72	0.00	0.00	96,634.00	224,398.72	0.00	224,398.72
b. Estimated July through December	0.00	80,310.00	25,164.72	0.00	0.00	242,975.00	348,449.72	0.00	348,449.72
c. Total	0.00	180,910.00	52,329.44	0.00	0.00	339,609.00	572,848.44	0.00	572,848.44
6. Energy Select									
a. Actual	1,607,732.45	250,733.00	863,340.11	0.00	137,976.00	0.00	2,859,781.56	0.00	2,859,781.56
b. Estimated July through December	1,610,280.74	148,601.00	807,500.00	0.00	20,000.00	0.00	2,586,381.74	0.00	2,586,381.74
c. Total	3,218,013.19	399,334.00	1,670,840.11	0.00	157,976.00	0.00	5,446,163.30	0.00	5,446,163.30
Commercial / Industrial Conservation Programs:									
7. Commercial / Industrial Energy Audit									
a. Actual	0.00	207,984.00	9,613.98	0.00	0.00	0.00	217,597.98	0.00	217,597.98
b. Estimated July through December	0.00	207,984.00	9,613.98	0.00	0.00	0.00	217,597.98	0.00	217,597.98
c. Total	0.00	415,968.00	19,227.96	0.00	0.00	0.00	435,195.96	0.00	435,195.96
8. HVAC Retrocommissioning									
a. Actual	0.00	37,272.00	17,222.65	0.00	0.00	50.00	54,544.65	0.00	54,544.65
b. Estimated July through December	0.00	37,272.00	26,500.00	0.00	0.00	10,000.00	73,772.00	0.00	73,772.00
c. Total	0.00	74,544.00	43,722.65	0.00	0.00	10,050.00	128,316.65	0.00	128,316.65

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM NET COST
January, 2019 Through June, 2019, Actual
July, 2019 Through December 2019, Estimated

	Capital Return, Property Taxes & Depreciation	Payroll & Benefits	Materials & Supplies	Other	Advertising	Incentives	Total Costs	Program Fees	Net Costs
Commercial / Industrial Conservation Programs Continued:									
9. Commercial Building Efficiency									
a. Actual	0.00	81,187.00	13,611.57	0.00	0.00	12,405.00	107,203.57	0.00	107,203.57
b. Estimated July through December	0.00	81,187.00	27,000.00	0.00	0.00	80,000.00	188,187.00	0.00	188,187.00
c. Total	0.00	162,374.00	40,611.57	0.00	0.00	92,405.00	295,390.57	0.00	295,390.57
10. Commercial / Industrial Custom Incentive									
a. Actual	0.00	13,714.00	72.11	0.00	0.00	0.00	13,786.11	0.00	13,786.11
b. Estimated July through December	0.00	13,714.00	2,000.00	0.00	0.00	0.00	15,714.00	0.00	15,714.00
c. Total	0.00	27,428.00	2,072.11	0.00	0.00	0.00	29,500.11	0.00	29,500.11
11. Residential Time of Use Rate Pilot									
a. Actual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b. Estimated July through December	0.00	0.00	10,000.00	0.00	0.00	0.00	10,000.00	0.00	10,000.00
c. Total	0.00	0.00	10,000.00	0.00	0.00	0.00	10,000.00	0.00	10,000.00
12. Conservation Demonstration and Development:									
a. Actual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13. Critical Peak Option									
a. Actual	0.00	0.00	0.00	0.00	0.00	571.72	571.72	0.00	571.72
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	0.00	0.00	0.00	571.72	571.72	0.00	571.72
14. Curtailable									
a. Actual	0.00	0.00	0.00	0.00	0.00	329,381.95	329,381.95	0.00	329,381.95
b. Estimated July through December	0.00	0.00	0.00	0.00	0.00	331,259.04	331,259.04	0.00	331,259.04
c. Total	0.00	0.00	0.00	0.00	0.00	660,640.99	660,640.99	0.00	660,640.99
15. a. Actual	1,607,732.45	1,312,791.00	1,493,779.86	0.00	92,583.00	451,443.67	4,958,329.98	0.00	4,958,329.98
b. Estimated	1,610,280.74	1,074,537.00	1,603,346.45	0.00	170,000.00	916,833.04	5,374,997.23	0.00	5,374,997.23
16. Total All Programs	3,218,013.19	2,387,328.00	3,097,126.31	0.00	262,583.00	1,368,276.71	10,333,327.21	0.00	10,333,327.21

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
CONSERVATION PROGRAM COSTS (Exclusive of Program Fees)
January, 2019 Through June, 2019 - Actual
July, 2019 Through December 2019 - 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	39,820.00	35,694.00	165,294.00	3,024.00	79,457.00	105,693.00	428,982.00	0.00	92,997.00	92,997.00	92,997.00	92,997.00	92,999.00	92,997.00	557,984.00	986,966.00									
2. Community Energy Saver	30,685.51	3,740.97	171,568.08	10,090.55	75,352.92	106,617.72	398,035.75	0.00	63,917.00	63,917.00	63,917.00	63,917.00	63,917.00	63,917.00	383,503.75	781,539.50									
3. Residential Custom Incentive	2,414.69	1,341.37	13,046.83	6,272.26	5,595.96	782.96	29,454.07	0.00	3,712.00	3,712.00	3,712.00	3,712.00	3,712.00	3,712.00	22,270.00	51,724.07									
4. HVAC Efficiency	144,489.49	(98,126.30)	87,056.19	66,556.39	92,127.72	2,508.41	294,591.90	0.00	106,646.00	106,646.00	106,646.00	106,646.00	106,646.00	106,646.00	639,878.00	934,489.90									
5. Residential Building Efficiency	19,369.13	15,922.42	75,383.50	19,582.43	56,640.11	37,501.13	224,398.72	0.00	58,075.00	58,075.00	58,075.00	58,075.00	58,075.00	58,075.00	348,449.72	572,848.44									
6. Energy Select	475,322.33	487,222.94	760,817.58	435,730.58	408,354.26	292,333.87	2,859,781.56	0.00	431,064.00	431,064.00	431,064.00	431,064.00	431,064.00	431,064.00	2,586,381.74	5,446,163.30									
Commercial / Industrial Conservation Programs:																									
7. Commercial / Industrial Energy Audit	17,020.03	15,668.42	89,453.26	13,390.00	43,514.58	38,551.69	217,597.98	0.00	36,266.00	36,266.00	36,266.00	36,266.00	36,266.00	36,266.00	217,597.98	435,195.96									
8. HVAC Retrocommissioning	2,651.61	13,520.42	18,847.68	5,904.77	7,054.49	6,565.68	54,544.65	0.00	12,295.09	12,295.98	12,295.00	12,295.00	12,295.00	12,295.00	73,772.00	128,316.65									
9. Commercial Building Efficiency	7,139.58	9,322.69	36,023.67	10,119.71	42,796.48	1,801.44	107,203.57	0.00	31,365.00	31,365.00	31,365.00	31,365.00	31,365.00	31,365.00	188,187.00	295,390.57									
10. Commercial / Industrial Custom Incentive	1,598.15	(140.75)	7,642.11	4,088.02	2,561.48	(1,962.90)	13,786.11	0.00	2,619.00	2,619.00	2,619.00	2,619.00	2,619.00	2,619.00	15,714.00	29,500.11									
11. Residential Time of Use Rate Pilot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,667.00	1,667.00	1,667.00	1,667.00	1,665.00	1,667.00	10,000.00	10,000.00									
12. Conservation Demonstration and Development:																									
a. Tesla Powerwall Demand Response	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									
b. Tesla Powerwall Demand Photovoltaic	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									
c. Domestic Hot Water Analysis	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									
d.	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									
e.	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									
13. Critical Peak Option	5,155.24	(4,583.52)	0.00	0.00	0.00	0.00	571.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	571.72									
14. Curtailable	55,482.77	53,059.82	55,209.84	55,209.84	55,209.84	55,209.84	329,381.95	0.00	55,209.84	55,209.84	55,209.84	55,209.84	55,209.84	55,209.84	331,259.04	660,640.99									
15. Total All Programs	801,108.53	532,642.48	1,480,342.74	629,968.55	868,664.84	645,602.84	4,958,329.98	0.00	895,832.93	895,832.84	895,832.84	895,832.84	895,832.84	895,832.84	5,374,997.23	10,333,327.21									
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	801,108.53	532,642.48	1,480,342.74	629,968.55	868,664.84	645,602.84	4,958,329.98	0.00	895,832.93	895,832.84	895,832.84	895,832.84	895,832.84	895,832.84	5,374,997.23	10,333,327.21									

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
ESTIMATED TRUE-UP

For the Period: January, 2019 through December, 2019

Conservation Revenues	ACTUAL JAN	ACTUAL FEB	ACTUAL MARCH	ACTUAL APRIL	ACTUAL MAY	ACTUAL JUNE	ESTIMATED JULY	ESTIMATED AUGUST	ESTIMATED SEPTEMBER	ESTIMATED OCTOBER	ESTIMATED NOVEMBER	ESTIMATED DECEMBER	TOTAL
1. Energy Select 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	878,377.89	707,444.02	776,646.27	763,009.38	1,248,468.22	1,172,558.09	1,410,716.55	1,397,165.21	1,194,417.13	1,004,439.70	963,832.49	983,272.56	12,400,347.32
3. Total Revenues	878,377.89	707,444.02	776,646.27	763,009.38	1,248,468.22	1,172,558.09	1,410,716.55	1,397,165.21	1,194,417.13	1,004,439.70	963,832.49	983,272.56	12,400,347.32
4. Adjustment not Applicable to Period - Prior True Up	167,663.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	167,661.00	2,011,934.00
5. Conservation Revenues Applicable to Period	1,046,040.89	875,105.02	944,307.27	930,670.38	1,416,129.22	1,340,219.09	1,578,377.55	1,564,826.21	1,362,078.13	1,172,100.70	1,031,493.49	1,150,933.56	14,412,281.32
6. Conservation Expenses (Form C-3 Page 2 of 5)	801,108.53	532,642.48	1,480,342.74	629,968.55	868,664.84	645,602.84	895,832.93	895,831.82	895,832.84	895,832.84	895,832.84	895,832.84	10,333,326.09
7. True Up this Period (Line 5 minus Line 6)	244,932.36	342,462.54	(536,035.47)	300,701.83	547,464.38	694,616.25	682,544.62	668,994.39	466,245.29	276,287.86	135,660.65	255,100.72	4,078,955.23
8. Interest Provision this Period (C-3 Page 4 of 7, Line 10)	4,911.42	5,164.24	4,710.95	4,156.12	4,603.26	5,397.00	6,334.34	7,328.93	8,116.35	8,525.66	8,616.19	8,686.44	76,550.90
9. True Up & Interest Provision Beginning of Month	2,401,822.63	2,484,003.21	2,663,968.99	1,964,983.47	2,102,180.42	2,486,587.06	3,018,939.31	3,540,157.27	4,048,819.59	4,355,520.23	4,472,652.75	4,449,268.59	2,401,822.63
10. Prior True Up Collected or Refunded	(167,663.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(167,661.00)	(2,011,934.00)
11. End of Period- Net True Up	2,484,003.21	2,663,968.99	1,964,983.47	2,102,180.42	2,486,587.06	3,018,939.31	3,540,157.27	4,048,819.59	4,355,520.23	4,472,652.75	4,449,268.59	4,545,394.76	4,545,394.76

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
INTEREST CALCULATION

For the Period: January, 2019 through December, 2019

Interest Provision	ACTUAL JAN	ACTUAL FEB	ACTUAL MARCH	ACTUAL APRIL	ACTUAL MAY	ACTUAL JUNE	ESTIMATED JULY	ESTIMATED AUGUST	ESTIMATED SEPTEMBER	ESTIMATED OCTOBER	ESTIMATED NOVEMBER	ESTIMATED DECEMBER	TOTAL
1. Beginning True up Amount	2,401,822.63	2,484,003.21	2,663,968.99	1,964,983.47	2,102,180.42	2,486,587.06	3,018,939.31	3,540,157.27	4,048,819.59	4,355,520.23	4,472,652.75	4,449,268.59	
2. Ending True up before Interest	2,479,091.79	2,658,804.75	1,960,272.52	2,098,024.30	2,481,983.80	3,013,542.31	3,533,822.93	4,041,490.66	4,347,403.88	4,464,127.09	4,440,652.40	4,536,708.32	
3. Total Beginning & Ending Balances	4,880,914.42	5,142,807.96	4,624,241.51	4,063,007.77	4,584,164.22	5,500,129.37	6,552,762.24	7,581,647.93	8,396,223.47	8,819,647.32	8,913,305.15	8,985,976.91	
4. Average True up Amount	2,440,457.21	2,571,403.98	2,312,120.76	2,031,503.89	2,292,082.11	2,750,064.69	3,276,381.12	3,790,823.97	4,198,111.73	4,409,823.66	4,456,652.58	4,492,988.46	
5. Interest Rate First Day Reporting Business Month	2.42	2.41	2.41	2.48	2.43	2.39	2.32	2.32	2.32	2.32	2.32	2.32	
6. Interest Rate First Day Subsequent Business Month	2.41	2.41	2.48	2.43	2.39	2.32	2.32	2.32	2.32	2.32	2.32	2.32	
7. Total of Lines 5 and 6	4.83	4.82	4.89	4.91	4.82	4.71	4.64	4.64	4.64	4.64	4.64	4.64	
8. Average Interest rate (50% of Line 7)	2.415	2.410	2.445	2.455	2.410	2.355	2.320	2.320	2.320	2.320	2.320	2.320	
9. Monthly Average Interest Rate Line 8 / 12 months	0.002013	0.002008	0.002038	0.002046	0.002008	0.001963	0.001933	0.001933	0.001933	0.001933	0.001933	0.001933	
10. Interest Provision (line 4 X 9)	4,911.42	5,164.24	4,710.95	4,156.12	4,603.26	5,397.00	6,334.34	7,328.93	8,116.35	8,525.66	8,616.19	8,686.44	76,550.90

GULF POWER COMPANY
ENERGY CONSERVATION CLAUSE
SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION, RETURN AND PROPERTY TAXES
ENERGY SELECT

For the Period January, 2019 Through December, 2019

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		13,222.61	(32,549.47)	-	-	-	-	224,782.77	82,064.00	82,064.00	82,064.00	82,064.00	82,064.00	82,064.00
2	17,150,780.93	17,164,003.54	17,131,454.07	17,131,454.07	17,131,454.07	17,131,454.07	17,131,454.07	17,356,236.84	17,438,300.84	17,520,364.84	17,602,428.84	17,684,492.84	17,766,556.84	
3		113,238.79	113,282.42	113,067.60	113,067.60	113,067.60	113,067.60	113,067.60	114,551.16	115,092.79	115,634.41	116,176.03	116,717.65	1,370,031.25
4	17,150,780.93	17,164,003.54	17,131,454.07	17,131,454.07	17,131,454.07	17,131,454.07	17,131,454.07	17,356,236.84	17,438,300.84	17,520,364.84	17,602,428.84	17,684,492.84	17,766,556.84	
5		-	(32,549.47)	-	-	-	-	-	-	-	-	-	-	
6	(6,688,749.55)	(6,555,510.76)	(6,474,777.81)	(6,361,710.21)	(6,248,642.61)	(6,135,575.01)	(6,022,507.41)	(5,909,439.81)	(5,794,888.65)	(5,679,795.86)	(5,564,161.45)	(5,447,985.42)	(5,331,267.77)	
7	23,819,530.48	23,719,514.30	23,606,231.88	23,493,164.28	23,380,096.68	23,267,029.08	23,153,961.48	23,265,676.65	23,233,189.49	23,200,160.70	23,166,590.29	23,132,478.26	23,097,824.61	
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	0.00
9	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
10	1,086,542.95	1,086,542.95	1,086,542.95	925,213.37	902,571.27	879,352.08	872,713.83	853,530.85	812,980.73	772,430.61	731,880.49	691,330.37	650,780.25	
11	24,906,073.43	24,806,057.25	24,692,774.83	24,418,377.65	24,282,667.95	24,146,381.16	24,026,675.31	24,119,207.50	24,046,170.22	23,972,591.31	23,898,470.78	23,823,808.63	23,748,604.86	
12		24,856,065.34	24,748,416.04	24,555,576.24	24,350,522.80	24,214,524.56	24,086,528.24	24,072,941.41	24,082,688.86	24,009,380.77	23,935,531.05	23,861,139.71	23,786,206.75	
13		0.005763	0.005763	0.005763	0.005763	0.005763	0.005763	0.005817	0.005817	0.005817	0.005817	0.005817	0.005817	
14		143,245.50	142,630.88	141,513.79	140,332.06	139,548.31	138,810.66	140,032.30	140,089.00	139,662.57	139,232.98	138,800.25	138,364.36	1,682,262.66
15		13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	13,809.94	165,719.28
16		270,294.23	269,723.24	268,391.33	267,209.60	266,425.85	265,686.20	266,909.84	268,450.10	268,565.30	268,677.33	268,786.22	268,891.95	3,218,013.19

Notes:
(A) Energy Select Property Additions Depreciated at 7.9% per year.
(B) Revenue Requirement Return (includes Income Taxes) Is: Jan - June .5763%; Jul - Dec .5817%.

GULF POWER COMPANY
CALCULATION OF CONSERVATION REVENUES
For the Period: July, 2019 Through December, 2019

	<u>Month</u>	<u>Projected MWH Sales</u>	<u>Rate (Avg Cents/KWH)</u>	<u>Clause Revenue Net of Revenue Taxes (\$)</u>
1.	07/2019	1,182,325	0.11931715	1,410,716.55
2.	08/2019	1,171,710	0.11924155	1,397,165.21
3.	09/2019	1,004,542	0.11890166	1,194,417.13
4.	10/2019	848,931	0.11831818	1,004,439.70
5.	11/2019	731,492	0.11809186	863,832.49
6.	12/2019	827,032	0.11889172	983,272.56

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 \$988,197 are projected for this program in 2020 as detailed in Schedule C-2. In 2020, 8,400 participants are projected, as reflected in the 2015 DSM Plan for Energy Audits. During an Energy Audit, a Gulf Power representative will conduct an on-site audit of a customer's home, or a customer may choose 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.

Program Accomplishments:

- Energy Audit – Year-to-date 2019, Gulf performed 6,262 energy audits compared to a year-to-date projection of 4,200 or 2,062 over the projection. Of these, 4,149 were online, 263 were on-site and 1,850 were new construction audits. The total projection for 2019 is 13,369 energy audits.
- School-based Awareness and Education
 - Gulf provided professional development in energy-related science and math for 98 elementary, middle and high school teachers who reach an estimated 3,740 students daily. These teachers received continuing education credits, as well as hands-on energy, efficiency and renewable energy classroom materials and curriculum.
 - Gulf coordinated monthly activities with student energy teams at three schools, measuring energy use at the school and creating a plan to use energy wisely at school and home. Total student reach is 180 students directly.
 - Gulf continued to provide classroom demonstrations and hands-on energy-related activities in schools on a regular basis reaching nearly 225 students.
 - Gulf demonstrated energy efficiency and solar energy in “World of Energy” to approximately 2,500 eighth-grade students and their teachers from 20 schools during two-day state Skills USA

competition and an additional 800 students in March at the Gulf Coast Science Festival

Total direct reach was 7,445 students and 98 teachers.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$860,278 compared to actual expenses of \$428,982, resulting in a difference of \$431,296 or 50% under budget.

Program Progress Summary: Since the approval of this program, Gulf Power has performed a total of 263,829 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 2020 through December 2020, 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 \$789,299 are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments: Through June 2019, 1,259 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 2019 is 3,022 participants.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$434,773 compared to actual expenses of \$398,036 resulting in a difference of \$36,737 or 8% under budget.

Program Progress Summary: A total of 22,036 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 2020 through December 2020. Expenses of \$57,810 are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments: As of June, no participants have enrolled during 2019 in this program. While there are no participants recorded this year, Gulf continues to promote the availability of this program to landlords and property managers in the rental property sector. Although participation in this program to date has been low, discussions with landlords and property managers have often resulted in these customers taking advantage of other DSM program offerings such as Gulf's HVAC Efficiency program.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$69,650 compared to actual expenses of \$29,454 resulting in a difference of \$40,196 or 58% 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 \$1,369,831 are projected for this program in 2020 as detailed in Schedule C-2. For the period January 2020 through December 2020, the Company projects the following participation in this program:

Measure	Projected Participation
HVAC maintenance	3,800
Duct repair	2,000
HVAC Quality Installation	4,500

Program Accomplishments: Actual participation (through June 2019) and the 2019 year-end projected participation are shown in the following table:

Measure	2019 YTD Actual Participation	2019 Year End Projection
HVAC maintenance	187	1,000
Duct repair	51	600
HVAC Quality Installation	335	1,200

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$1,029,188 compared to actual expenses of \$294,592 resulting in a difference of \$734,596 or 71% under budget.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
HVAC maintenance	39,018
Duct repair	22,101
HVAC Quality Installation	2,218

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 \$581,913 are projected for this program in 2020 as detailed in Schedule C-2. For the period January 2020 through December 2020, the Company projects the following participation in this program:

Measure	Projected Participation
High Performance Windows	700
Reflective Roof	350
ENERGY STAR Window A/C	200

Program Accomplishments: Actual participation (through June 2019) and the 2019 year-end projected participation are shown in the following table:

Measure	2019 YTD Actual Participation	2019 Year End Projection
High Performance Windows	366	878
Reflective Roof	159	382
ENERGY STAR Window A/C	5	12

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$251,889 compared to actual expenses of \$224,399, resulting in a difference of \$27,490 or 11% under budget.

Program Progress Summary: Since its launch in 2011, the following participation has been achieved:

Measure	Program to Date Actual Participation
High Performance Windows	6,152
Reflective Roof	1,952
ENERGY STAR Window A/C	853

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 2020 projection period, Gulf Power projects to have 400 net additions. The program expenses are expected to be \$5,199,055 as detailed in Schedule C-2.

Program Accomplishments: For the period January through June 2019, 245 net new participants were added to the Energy *Select* program compared to a year-to-date projection of 800. The total projection for 2019 is 587 net new participants.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$3,619,690 compared to actual expenses of \$2,859,782 resulting in a difference of \$759,908 or 21% under budget.

Program Progress Summary: As of June 2019, there are 20,043 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 offers a variety of services ranging from a walk-through survey to the use of computer programs which 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 2020 through December 2020, the Company projects to conduct 500 audits and incur expenses totaling \$486,902.

Program Accomplishments: During the January 2019 through June 2019 period, actual results were 56 audits compared to a year-to-date projection of 250. The total projection for 2019 is 134 audits.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$299,133 compared to actual expenses of \$217,598, resulting in a difference of \$81,535 or 27% under budget.

Program Progress Summary: A total of 23,300 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 2020 through December 2020, the Company expects 250 program participants. Expenses of \$133,238 are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments: During the period January 2019 through June 2019, 6 customers have participated in this program. The total projection for 2019 is 100 participants.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$93,102, compared to actual expenses of \$54,545, resulting in a difference of \$38,557 or 41% under budget.

Program Progress Summary: Since its launch in 2011, 1,310 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 \$390,136 are projected for this program in 2020 as detailed in Schedule C-2.

For the period January 2020 through December 2020, the Company expects to implement the efficiency measures included in this program as reflected in the 2015 DSM Plan:

Program	Annual Projections (2020)
Commercial Geothermal Heat Pump	200 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	400,000 square feet of installed insulation
Commercial Reflective Roof	850,000 square feet of installed reflective roof

Program Accomplishments: During the period January – June 2019, the measures in this program have had the following participation as compared to year-to-date projected participation:

Program	Actual Participation (January - June 2019)	Annual Projections (2019)
Commercial Geothermal Heat Pump	71 tons of installed Geothermal HVAC	170 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	29,765 square feet of installed insulation	71,436 square feet of installed insulation
Commercial Reflective Roof	342,171 square feet of installed reflective roof	821,210 square feet of installed reflective roof

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$300,952, compared to actual expenses of \$107,204, resulting in a difference of \$193,748 or 64% under budget.

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	649 tons of installed Geothermal HVAC
Ceiling/Roof Insulation	474,300 square feet of installed insulation
Commercial Reflective Roof	3,884,027 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: Due to the custom nature of this program, specific participant projections are not made for the period January 2020 through December 2020. Expenses of \$35,186 are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments: From January 2019 through June 2019, Gulf has evaluated several projects for potential inclusion in this program. Through June, no savings have been reported in the program.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$64,869, compared to actual expenses of \$13,786, resulting in a difference of \$51,083 or 79% 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 8,770,333 kWh (energy), 1,341 winter kW (demand) and 1,751 summer kW (demand).

Program Description and Progress

Program Title: Critical Peak Option (CPO)

Program Description: This program offers customers on Gulf Power's Large Power Time of Use (LPT) rate schedule an option to receive credits for demand that can be reduced during peak load conditions (critical peak events). The program provides a fixed, per KW credit for measured On-Peak Demand and a Critical Peak Demand Charge for any measured demand recorded during a called critical peak event.

Program Projections: For the period January 2020 through December 2020, the Company does not project any new customer participation in this program.

Program Accomplishments: During the first six months of 2019, one customer participated in this program. As of June 2019, no customers were enrolled in this program.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$0 compared to actual expenses of \$572.

Program Progress Summary: This program became a part of Gulf's DSM Plan effective July 1, 2017, pursuant to Gulf's Stipulation and Settlement Agreement, approved by the Commission in Order No. PSC-17-0178-S-EI dated May 16, 2017.

Program Description and Progress

Program Title: Curtailable Load (CL)

Program Description: The Curtailable Load (CL) program provides qualifying customers capacity payments for electric load which can be curtailed during certain conditions as described in Rate Rider CL. The CL rider is available to customers taking service under rate schedules LP, LPT, PX, or PXT and who also execute a Curtailable Load Service agreement (CL Service Agreement). Qualifying customers must commit a minimum of 4,000 KW of non-firm load.

Program Projections: For the period January 2020 through December 2020, the Company expects participation by one customer with 24 locations. Expenses of \$682,518 are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments:

During the period January 2019 through June 2019, 24 accounts are participating on this rate.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$351,379, compared to actual expenses of \$329,382, resulting in a difference of \$21,997 or 6% under budget.

Program Progress Summary: This program was approved for inclusion in Gulf's DSM Plan by Commission Order No. PSC-2018-0159-PAA-EI dated March 21, 2018.

Program Description and Progress

Program Title: Residential Service Time of Use Pilot Program

Program Description: The Residential Service Time of Use (RSTOU) rate pilot provides residential customers the opportunity to use customer-owned equipment to respond automatically to, 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, participation in the pilot is limited to 400 residential customers who meet the program standards. To further encourage customers to utilize a qualifying Wi-Fi enabled thermostat, the RSTOU pilot offers customers a per event credit for allowing their thermostat to automatically adjust their 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 customers' response to a variable price rate with customer-owned equipment. Customers 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: No expenses are projected for this program in 2020 as detailed in Schedule C-2.

Program Accomplishments: As of June 2019, there are 303 customers participating in this program.

Program Fiscal Expenditures: Projected expenses for January through June 2019 were \$25,000 compared to actual expenses of \$0.

Program Progress Summary: Since its launch in February 2016, 330 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 Projections: For the period January 2020 through December 2020, the Company expects expenses of \$75,000 for this program as detailed in Schedule C-2.

**RESIDENTIAL SERVICE
2020 Variable Pricing (RSVP) and
Time of Use (RSTOU) Rates
Cents Per KWH**

ECCR

<u>Rate Tier</u>	<u>RSVP</u>
P4	50.918
P3	6.735
P2	(0.840)
P1	(2.800)

<u>Rate Tier</u>	<u>RSTOU</u>
On-Peak	14.000
Off-Peak	(2.686)

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC
CONSERVATION ADJUSTMENT TRUE-UP

SCHEDULE CT-1
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FOR MONTHS January-18 THROUGH December-18

1.	ADJUSTED END OF PERIOD TOTAL NET TRUE-UP		
2.	FOR MONTHS January-18 THROUGH December-18		
3.	END OF PERIOD NET TRUE-UP		
4.	PRINCIPAL	<u>(50,246)</u>	
5.	INTEREST	<u>(1,387)</u>	<u>(51,633)</u>
6.	LESS PROJECTED TRUE-UP		
7.	October-17 (DATE) HEARINGS		
8.	PRINCIPAL	<u>(73,783)</u>	
9.	INTEREST	<u>(1,576)</u>	<u>(75,359)</u>
10.	ADJUSTED END OF PERIOD TOTAL TRUE-UP		<u><u>23,726</u></u>

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DOCKET NO. 20190002-EG
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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 10
PARTY: FLORIDA PUBLIC UTILITIES COMPANY
(FPUC) – (DIRECT)
DESCRIPTION: Curtis D. Young CDY-1

ANALYSIS OF ENERGY CONSERVATION PROGRAM COSTS
ACTUAL VS PROJECTED

	FOR MONTHS	January-18	THROUGH	December-18	
		<u>ACTUAL</u>		<u>PROJECTED*</u>	<u>DIFFERENCE</u>
1.	LABOR/PAYROLL	311,917		345,943	(34,027)
2.	ADVERTISING	85,186		74,890	10,296
3.	LEGAL	14,425		8,336	6,089
4.	OUTSIDE SERVICES/CONTRACT	149,571		119,067	30,505
5.	VEHICLE COST	10,492		11,704	(1,212)
6.	MATERIAL & SUPPLIES	5,097		7,027	(1,930)
7.	TRAVEL	35,372		44,079	(8,707)
8.	GENERAL & ADMIN	0		0	0
9.	INCENTIVES	39,018		24,475	14,544
10.	OTHER	5,077		13,156	(8,079)
11.	SUB-TOTAL	656,154		648,676	7,478
12.	PROGRAM REVENUES				
13.	TOTAL PROGRAM COSTS	656,154		648,676	7,478
14.	LESS: PRIOR PERIOD TRUE-UP	(60,042)		(60,042)	0
15.	AMOUNTS INCLUDED IN RATE BASE				
16.	CONSERVATION ADJ REVENUE	(646,358)		(662,417)	16,059
17.					
18.	TRUE-UP BEFORE INTEREST	(50,246)		(73,783)	23,537
19.	ADD INTEREST PROVISION	(1,387)		(1,576)	189
20.	END OF PERIOD TRUE-UP	(51,633)		(75,359)	23,726

() REFLECTS OVERRECOVERY

* 6 MONTHS ACTUAL AND 6 MONTHS PROJECTED

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FLORIDA PUBLIC UTILITIES COMPANY
(CDY-1)
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ACTUAL CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-18 THROUGH December-18

PROGRAM NAME	LABOR	ADVERTISING	LEGAL	OUTSIDE	VEHICLE	MATERIALS	TRAVEL	GENERAL	INCENTIVES	OTHER	SUB	PROGRAM	TOTAL
	&					&		&					
	PAYROLL			SERVICES	COST								
1. Common	259,604	43,213	14,425	103,260	8,218	4,254	30,138	0	0	4,901	468,013		468,013
2. Residential Energy Survey	45,407	7,643	0	10,338	2,009	747	4,483	0	0	172	70,799		70,799
3. Loan Program (discontinued but remains open)											0		0
4. Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0		0
5. Low Income Education	396	3,719	0	0	12	12	62	0	0	0	4,200		4,200
6. Commercial Heating & Cooling Upgrade	248	8,038	0	281	10	7	12	0	0	1	8,597		8,597
7. Residential Heating & Cooling Upgrade	1,009	11,621	0	281	31	5	129	0	24,580	0	37,655		37,655
8. Commercial Indoor Efficient Lighting Rebate	0	0	0	0	0	0	0	0	0	0	0		0
9. Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0		0
10. Commercial Chiller Upgrade Program	0	3,807	0	186	0	0	0	0	0	0	3,993		3,993
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	0	0	0		0
13. Electric Conservation Demonstration and Development	0	0	0	34,782	0	0	0	0	0	0	34,782		34,782
14. Commercial Reflective Roof	645	5,315	0	186	32	5	41	0	14,438	0	20,663		20,663
15. Commercial Energy Consultant	4,608	1,830	0	258	180	67	507	0	0	3	7,452		7,452
16.											0		0
17.											0		0
18.											0		0
19.											0		0
20.											0		0
21.											0		0
22.											0		0
TOTAL ALL PROGRAMS	311,917	85,186	14,425	149,571	10,492	5,097	35,372	0	39,018	5,077	656,154	0	656,154

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COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

CONSERVATION COSTS PER PROGRAM--VARIANCE ACTUAL VS PROJECTED
VARIANCE ACTUAL VS PROJECTED

FOR MONTHS January-18 THROUGH December-18

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. Common	(8,052)	2,007	6,089	51,381	403	(820)	281	0	0	(5,239)	46,050		46,050
2. Residential Energy Survey	(9,386)	1,244	0	(7,316)	(705)	(456)	(2,952)	0	0	(2,492)	(22,064)		(22,064)
3. Loan Program (discontinued but remains open)											0		0
4. Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0		0
5. Low Income Education	46	3,719	0	(7,500)	(38)	(238)	(38)	0	0	0	(4,050)		(4,050)
6. Commercial Heating & Cooling Upgrade	(50)	1,810	0	186	0	0	0	0	(500)	0	1,446		1,446
7. Residential Heating & Cooling Upgrade	(313)	4,569	0	186	(57)	(47)	(2,958)	0	3,606	(50)	4,936		4,936
8. Commercial Indoor Efficient Lighting Rebate	0	0	0	0	0	0	0	0	0	0	0		0
9. Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0		0
10. Commercial Chiller Upgrade Program	(3,000)	(2,421)	0	186	(175)	(50)	(500)	0	(500)	(50)	(6,510)		(6,510)
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	0	0	0		0
13. Electric Conservation Demonstration and Development	(2,500)	0	0	532	(125)	(75)	(500)	0	0	(50)	(2,719)		(2,719)
14. Commercial Reflective Roof	(1,605)	(1,896)	0	186	(43)	(45)	(359)	0	11,938	(50)	8,127		8,127
15. Commercial Energy Consultant	(9,167)	1,265	0	(7,336)	(472)	(199)	(1,681)	0	0	(149)	(17,738)		(17,738)
16.											0		0
17.											0		0
18.											0		0
19.											0		0
20.											0		0
21.											0		0
22.											0		0
TOTAL ALL PROGRAMS	(34,027)	10,296	6,089	30,505	(1,212)	(1,930)	(8,707)	0	14,544	(8,079)	7,478	0	7,478

ENERGY CONSERVATION ADJUSTMENT CALCULATION OF TRUE-UP AND INTEREST PROVISION
SUMMARY OF EXPENSES BY PROGRAM BY MONTH

FOR MONTHS January-18 THROUGH December-18

A. CONSERVATION EXPENSE BY PROGRAM		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1.	Common	32,031	41,300	31,117	34,710	40,881	46,073	33,344	45,397	38,555	48,758	33,939	41,908	468,013
2.	Residential Energy Survey	7,542	10,123	9,664	5,656	3,665	3,913	7,849	6,402	9,194	5,825	2,574	(1,608)	70,799
3.	Loan Program (discontinued but remains open)	-	-	-	-	-	-	-	-	-	-	-	-	0
4.	Commercial Energy Survey	-	-	-	-	-	-	-	-	-	-	-	-	0
5.	Low Income Education	-	-	-	-	-	-	-	-	-	-	1,238	2,963	4,200
6.	Commercial Heating & Cooling Upgrade	487	332	166	166	260	191	537	202	1,391	1,216	1,894	1,755	8,597
7.	Residential Heating & Cooling Upgrade	1,516	1,383	1,487	4,894	1,089	3,025	9,989	1,491	6,252	2,485	1,443	2,600	37,655
8.	Commercial Indoor Efficient Lighting Rebate	-	-	-	-	-	-	-	-	-	-	-	-	0
9.	Commercial Window Film Installation Program	-	-	-	-	-	-	-	-	-	-	-	-	0
10.	Commercial Chiller Upgrade Program	209	332	166	166	166	191	537	202	202	202	880	741	3,993
11.	Solar Water Heating Program	-	-	-	-	-	-	-	-	-	-	-	-	0
12.	Solar Photovoltaic Program	-	-	-	-	-	-	-	-	-	-	-	-	0
13.	Electric Conservation Demonstration and Developmen	-	-	-	-	-	-	-	-	29,032	-	-	5,750	34,782
14.	Commercial Reflective Roof	1,192	332	166	166	166	191	537	202	935	10,712	1,051	5,015	20,663
15.	Commercial Energy Consultant	272	-	-	805	588	475	1,122	781	1,165	793	900	551	7,452
16.														0
17.														0
18.														0
19.														0
20.														0
21.														0
22.														0
21.	TOTAL ALL PROGRAMS	43,248	53,803	42,765	46,562	46,815	54,058	53,914	54,678	86,727	69,992	43,918	59,674	656,154
22.	LESS AMOUNT INCLUDED IN RATE BASE													
23.	RECOVERABLE CONSERVATION EXPENSES	43,248	53,803	42,765	46,562	46,815	54,058	53,914	54,678	86,727	69,992	43,918	59,674	656,154

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

SCHEDULE CT-3
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CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS January-18 THROUGH December-18

B. CONSERVATION REVENUES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1. RESIDENTIAL CONSERVATION	(63,940)	(49,968)	(41,403)	(44,349)	(43,727)	(60,694)	(66,034)	(63,869)	(67,507)	(40,861)	(26,729)	(77,276)	(646,358)
2. CONSERVATION ADJ. REVENUES													0
3. TOTAL REVENUES	(63,940)	(49,968)	(41,403)	(44,349)	(43,727)	(60,694)	(66,034)	(63,869)	(67,507)	(40,861)	(26,729)	(77,276)	(646,358)
4. PRIOR PERIOD TRUE-UP ADJ. NOT APPLICABLE TO THIS PERIOD	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(5,004)	(4,998)	(60,042)
5. CONSERVATION REVENUE APPLICABLE	(68,944)	(54,972)	(46,407)	(49,353)	(48,731)	(65,698)	(71,038)	(68,873)	(72,511)	(45,865)	(31,733)	(82,274)	(706,400)
6. CONSERVATION EXPENSES (FROM CT-3, PAGE 1, LINE 23)	43,248	53,803	42,765	46,562	46,815	54,058	53,914	54,678	86,727	69,992	43,918	59,674	656,154
7. TRUE-UP THIS PERIOD (LINE 5 - 6)	(25,696)	(1,169)	(3,642)	(2,791)	(1,916)	(11,641)	(17,124)	(14,195)	14,216	24,126	12,186	(22,599)	(50,246)
8. INTEREST PROVISION THIS PERIOD (FROM CT-3, PAGE 3, LINE 10)	(88)	(104)	(112)	(117)	(113)	(119)	(138)	(157)	(155)	(119)	(80)	(85)	(1,387)
9. TRUE-UP AND INTEREST PROVISION BEGINNING OF MONTH	(60,042)	(80,822)	(77,091)	(75,841)	(73,745)	(70,770)	(77,526)	(89,784)	(99,132)	(80,067)	(51,056)	(33,946)	(60,042)
9A. DEFERRED TRUE-UP BEGINNING OF PERIOD													
10. PRIOR TRUE-UP COLLECTED (REFUNDED)	5,004	5,004	5,004	5,004	5,004	5,004	5,004	5,004	5,004	5,004	5,004	4,998	60,042
11. TOTAL NET TRUE-UP (LINES 7+8+9+9A+10)	(80,822)	(77,091)	(75,841)	(73,745)	(70,770)	(77,526)	(89,784)	(99,132)	(80,067)	(51,056)	(33,946)	(51,633)	(51,633)

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COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

CALCULATION OF TRUE-UP AND INTEREST PROVISION

FOR MONTHS January-18 THROUGH December-18

C.	INTEREST PROVISION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1.	BEGINNING TRUE-UP (LINE B-9)	(60,042)	(80,822)	(77,091)	(75,841)	(73,745)	(70,770)	(77,526)	(89,784)	(99,132)	(80,067)	(51,056)	(33,946)	(60,042)
2.	ENDING TRUE-UP BEFORE INTEREST (LINES B7+B9+B9A+B10)	(80,734)	(76,987)	(75,729)	(73,628)	(70,657)	(77,407)	(89,646)	(98,975)	(79,912)	(50,937)	(33,866)	(51,548)	(50,246)
3.	TOTAL BEG. AND ENDING TRUE-UP	(140,776)	(157,809)	(152,820)	(149,469)	(144,402)	(148,177)	(167,172)	(188,759)	(179,044)	(131,004)	(84,922)	(85,494)	(110,288)
4.	AVERAGE TRUE-UP (LINE C-3 X 50%)	(70,388)	(78,905)	(76,410)	(74,735)	(72,201)	(74,088)	(83,586)	(94,380)	(89,522)	(65,502)	(42,461)	(42,747)	(55,144)
5.	INTEREST RATE - FIRST DAY OF REPORTING BUSINESS MONTH	1.49%	1.50%	1.66%	1.86%	1.90%	1.86%	2.00%	1.97%	2.02%	2.13%	2.24%	2.27%	
6.	INTEREST RATE - FIRST DAY OF SUBSEQUENT BUSINESS MONTH	1.50%	1.66%	1.86%	1.90%	1.86%	2.00%	1.97%	2.02%	2.13%	2.24%	2.27%	2.50%	
7.	TOTAL (LINE C-5 + C-6)	2.99%	3.16%	3.52%	3.76%	3.76%	3.86%	3.97%	3.99%	4.15%	4.37%	4.51%	4.77%	
8.	AVG. INTEREST RATE (C-7 X 50%)	1.50%	1.58%	1.76%	1.88%	1.88%	1.93%	1.99%	2.00%	2.08%	2.19%	2.26%	2.39%	
9.	MONTHLY AVERAGE INTEREST RATE	0.125%	0.132%	0.147%	0.157%	0.157%	0.161%	0.165%	0.166%	0.173%	0.182%	0.188%	0.199%	
10.	INTEREST PROVISION (LINE C-4 X C-9)	(88)	(104)	(112)	(117)	(113)	(119)	(138)	(157)	(155)	(119)	(80)	(85)	(1,387)

COMPANY: FLORIDA PUBLIC UTILITIES - CONSOLIDATED ELECTRIC

SCHEDULE CT-4
PAGE 1 OF 1

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

FOR MONTHS January-18 THROUGH December-18

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

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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-18 THROUGH December-18

AUDIT EXCEPTION: TO OUR KNOWLEDGE, NONE EXIST

COMPANY RESPONSE:

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1. Residential Energy Survey Program
2. Educational/Low Income Program
3. Commercial Heating & Cooling Upgrade Program
4. Residential Heating & Cooling Upgrade Program
5. Commercial Chiller Upgrade Program
6. Conservation Demonstration and Development Program
7. Commercial Reflective Roof Program
8. 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 148 residential energy surveys were performed.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$70,799**.

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: 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 and education 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, 2018 through December 31, 2018 were **\$4,200**.

PROGRAM PROGRESS SUMMARY: The Company continues to promote the opportunity to educate low-income customers on the benefits of an energy efficient home and anticipates increased participation in this program in 2019.

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, 0 customers participated in the Commercial Heating & Cooling Efficiency Upgrade Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$8,597**.

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: The 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, 198 customers participated in the residential heating and cooling efficiency upgrade program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$37,655**.

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 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 customer participated in the Commercial Chiller Upgrade Program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$3,993**.

PROGRAM PROGRESS SUMMARY: The Company continues to work with commercial customers to promote this program and is optimistic that our customers will continue to find value in this program.

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 2018, the Company installed 1 battery storage system to improve customer's electric system reliability and resiliency.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$34,782**.

PROGRAM PROGRESS SUMMARY: The Company continues to pursue research, demonstration and development projects, under this program, to promote energy efficiency and conservation.

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: For the reporting period, there were 43 participants in this program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$20,663**.

PROGRAM PROGRESS SUMMARY: The Company continues to work with commercial customers to promote this program and is optimistic that our customers will continue to find value in this program.

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: For the reporting period, there were 33 participants in this program.

PROGRAM FISCAL EXPENDITURES: The expenditures for the reporting period of January 1, 2018 through December 31, 2018 were **\$7,452**.

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.

ENERGY CONSERVATION ADJUSTMENT
SUMMARY OF COST RECOVERY CLAUSE CALCULATION

FOR MONTHS January-20 THROUGH December-20

1.	TOTAL INCREMENTAL COSTS (SCHEDULE C-2,PAGE 1, LINE 33)	<u>750,000</u>
2.	TRUE-UP (SCHEDULE C-3,PAGE 4,LINE 11)	<u>84,848</u>
3.	TOTAL (LINE 1 AND LINE 2)	<u>834,848</u>
4.	RETAIL KWH SALES	<u>631,160,917</u>
5.	COST PER KWH	<u>0.00132272</u>
6.	REVENUE TAX MULTIPLIER *	<u>1.00072</u>
7.	ADJUSTMENT FACTOR ADJUSTED FOR TAXES (LINE 5 X LINE 6)	<u>0.00132400</u>
8.	CONSERVATION ADJUSTMENT FACTOR- (ROUNDED TO THE NEAREST .001 CENTS PER KWH)	<u>0.132</u>

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 11
PARTY: FLORIDA PUBLIC UTILITIES COMPANY
(FPUC) – (DIRECT)
DESCRIPTION: G. Scott Ranck GSR-1

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION

SCHEDULE C-2
PAGE 1 OF 3

ESTIMATED CONSERVATION PROGRAM COSTS

FOR MONTHS January-20 THROUGH December-20

A.	ESTIMATED EXPENSE BY PROGRAM	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
1	Common	40,917	40,917	40,917	40,917	40,917	40,917	40,917	40,917	40,917	40,917	40,917	40,917	491,000
2	Residential Energy Survey Program	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,125	7,125	85,500
3	Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Low Income Program	508	508	508	508	508	508	508	508	508	508	508	508	6,100
5	Commercial Heating & Cooling Upgrade	2,317	2,317	2,317	2,317	2,317	2,317	2,317	2,317	2,317	2,317	2,317	2,317	27,800
6	Residential Heating & Cooling Upgrade	5,067	5,067	5,067	5,067	5,067	5,067	5,067	5,067	5,067	5,067	5,067	5,067	60,800
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	650	650	650	650	650	650	650	650	650	650	650	650	7,800
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	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	45,000
13	Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Commercial Reflective Roof Program	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	14,700
15	Commercial Energy Consultation	942	942	942	942	942	942	942	942	942	942	942	942	11,300
16														
17														
18	TOTAL ALL PROGRAMS	62,499	62,499	62,499	62,499	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500	750,000
19														
20	LESS AMOUNT INCLUDED													
21	IN RATE BASE													
22														
23	RECOVERABLE CONSERVATION													
24	EXPENSES	62,499	62,499	62,499	62,499	62,500	62,500	62,500	62,500	62,500	62,500	62,500	62,500	750,000

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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION

SCHEDULE C-2
PAGE 2 OF 3

ESTIMATED CONSERVATION PROGRAM COSTS PER PROGRAM

FOR MONTHS January-20 THROUGH December-20

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1 Common	288,000	55,000	30,000	50,000	15,000	5,000	40,000	0	0	8,000	491,000	0	491,000
2 Residential Energy Survey Program	50,000	8,000	0	17,000	3,500	1,500	5,000	0	0	500	85,500	0	85,500
3 Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Low Income Program	1,000	4,500	0	0	0	500	100	0	0	0	6,100	0	6,100
5 Commercial Heating & Cooling Upgrade	500	25,000	0	500	0	100	100	0	1,500	0	27,800	0	27,800
6 Residential Heating & Cooling Upgrade	2,000	25,000	0	500	100	100	3,000	0	30,000	100	60,800	0	60,800
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	500	4,000	0	0	100	100	100	0	3,000	0	7,800	0	7,800
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	3,000	1,000	0	40,650	100	100	150	0	0	0	45,000	0	45,000
13 Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Commercial Reflective Roof Program	1,000	5,000	0	500	200	0	100	0	7,850	50	14,700	0	14,700
15 Commercial Energy Consultation	7,500	2,000	0	500	500	250	500	0	0	50	11,300	0	11,300
16													
17													
18													
19 TOTAL ALL PROGRAMS	353,500	129,500	30,000	109,650	19,600	7,650	49,050	0	42,350	8,700	750,000	0	750,000
20 LESS: BASE RATE													
21 RECOVERY													
22													
23 NET PROGRAM COSTS	353,500	129,500	30,000	109,650	19,600	7,650	49,050	0	42,350	8,700	750,000	0	750,000

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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION

SCHEDULE C-2
PAGE 3 OF 3

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN

ESTIMATED FOR MONTHS January-20 THROUGH December-20

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

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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-19
 July-19

THROUGH
 THROUGH

June-19
 December-19

PROGRAM NAME	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.	INCENTIVES	OTHER	SUB TOTAL	PROGRAM REVENUES	TOTAL
1. Common													
A. ACTUAL	143,049	6,832	37,966	93,728	7,801	1,842	23,095	0	0	6,637	320,950		320,950
B. ESTIMATED	112,500	22,500	12,500	75,000	4,000	2,250	11,000	0	0	1,000	240,750		240,750
C. TOTAL	255,549	29,332	50,466	168,728	11,801	4,092	34,095	0	0	7,637	561,700		561,700
2. Residential Energy Survey Program													
A. ACTUAL	14,573	2,878	0	11,533	1,047	268	2,948	0	0	301	33,548		33,548
B. ESTIMATED	35,000	3,000	0	6,000	1,750	750	2,500	0	0	250	49,250		49,250
C. TOTAL	49,573	5,878	0	17,533	2,797	1,018	5,448	0	0	551	82,798		82,798
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	35	0	0	0	0	0	11	0	0	0	46		46
B. ESTIMATED	500	50	0	0	0	1,750	0	0	0	0	2,300		2,300
C. TOTAL	535	50	0	0	0	1,750	11	0	0	0	2,346		2,346
5. Commercial Heating & Cooling Upgrade													
A. ACTUAL	100	954	0	221	1	1	34	0	0	0	1,311		1,311
B. ESTIMATED	250	5,000	0	50	50	50	50	0	500	0	5,950		5,950
C. TOTAL	350	5,954	0	271	51	51	84	0	500	0	7,261		7,261
6. Residential Heating & Cooling Upgrade													
A. ACTUAL	1,044	4,205	0	221	85	19	334	0	8,117	37	14,062		14,062
B. ESTIMATED	500	5,000	0	50	50	50	1,500	0	12,500	0	19,650		19,650
C. TOTAL	1,544	9,205	0	271	135	69	1,834	0	20,617	37	33,712		33,712
7. Commercial Indoor Efficient Lighting Rebate													
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
SUB-TOTAL ACTUAL	158,801	14,869	37,966	105,703	8,934	2,130	26,422	0	8,117	6,975	369,917	0	369,917
SUB-TOTAL ESTIMATED	148,750	35,550	12,500	81,100	5,850	4,850	15,050	0	13,000	1,250	317,900	0	317,900
LESS: PRIOR YEAR AUDIT ADJ.													
ACTUAL											0		0
ESTIMATED													
TOTAL													
NET PROGRAM COSTS	SEE PAGE 1A												

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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-19	THROUGH	June-19									SUB TOTAL	PROGRAM REVENUES	TOTAL	
	July-19	THROUGH	December-19	LABOR & PAYROLL	ADVERTISING	LEGAL	OUTSIDE SERVICES	VEHICLE COST	MATERIALS & SUPPLIES	TRAVEL	GENERAL & ADMIN.				INCENTIVES
PROGRAM NAME															
8. Commercial Window Film Installation Program															
A. ACTUAL	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
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. Commercial Chiller Upgrade Program															
A. ACTUAL	134	954	0	220	2	1	45	0	0	1	1,357	1,357			
B. ESTIMATED	750	5,000	0	0	50	50	50	0	1,500	0	7,400	7,400			
C. TOTAL	884	5,954	0	220	52	51	95	0	1,500	1	8,757	8,757			
10. Solar Water Heating Program															
A. ACTUAL	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	
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11. Solar Photovoltaic Program															
A. ACTUAL	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	
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12. Demonstration and Development															
A. ACTUAL	368	0	0	26,135	5	3	124	0	0	1	26,636	26,636			
B. ESTIMATED	1,500	500	0	18,500	50	50	50	0	0	0	20,650	20,650			
C. TOTAL	1,868	500	0	44,635	55	53	174	0	0	1	47,286	47,286			
13. Affordable Housing Builders and Providers															
A. ACTUAL	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	
C. TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14. Commercial Reflective Roof Program															
A. ACTUAL	603	954	0	220	33	6	80	0	3,741	5	5,642	5,642			
B. ESTIMATED	500	5,000	0	0	0	0	0	0	1,500	0	7,000	7,000			
C. TOTAL	1,103	5,954	0	220	33	6	80	0	5,241	5	12,642	12,642			
15. Commercial Energy Consultation															
A. ACTUAL	2,777	51	0	193	290	40	115	0	0	58	3,524	3,524			
B. ESTIMATED	7,500	2,500	0	50	600	150	600	0	0	50	11,450	11,450			
C. TOTAL	10,277	2,551	0	243	890	190	715	0	0	108	14,974	14,974			
TOTAL ACTUAL	162,683	16,828	37,966	132,471	9,264	2,180	26,786	0	11,858	7,040	407,076	0	407,076		
TOTAL ESTIMATED	159,000	48,550	12,500	99,650	6,550	5,100	15,750	0	16,000	1,300	364,400	0	364,400		
LESS: PRIOR YEAR AUDIT ADJ. ACTUAL ESTIMATED TOTAL											0		0		
NET PROGRAM COSTS	321,683	65,378	50,466	232,121	15,814	7,280	42,536	0	27,858	8,340	771,476	0	771,476		

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 ESTIMATED FOR MONTHS January-19 THROUGH July-19 June-19 THROUGH December-19

	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

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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CONSERVATION PROGRAM COSTS

SCHEDULE C-3
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ACTUAL FOR MONTHS January-19 THROUGH June-19
 ESTIMATED FOR MONTHS July-19 THROUGH December-19

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
1 CV610 Common	37,822	25,062	54,483	57,801	83,496	62,286	320,950	40,125	40,125	40,125	40,125	40,125	40,125	240,750	561,700
2 CV613 Residential Energy Survey Program	5,424	7,496	5,515	5,386	3,544	6,183	33,548	8,208	8,208	8,208	8,208	8,208	8,210	49,250	82,798
3 CV616 Commercial Energy Survey	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 CV617 Low Income Program	0	0	4	10	20	12	46	383	383	383	383	383	385	2,300	2,346
5 CV618 Commercial Heating & Cooling Upgrade	37	407	247	173	205	242	1,311	992	992	992	992	992	990	5,950	7,261
6 CV619 Residential Heating & Cooling Upgrade	1,629	16,832	(12,066)	5,029	2,044	594	14,062	3,275	3,275	3,275	3,275	3,275	3,275	19,650	33,712
7 CV621 Commercial Indoor Efficient Lighting Rebate	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CV622 Commercial Window Film Installation Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CV623 Commercial Chiller Upgrade Program	37	407	251	182	225	254	1,357	1,233	1,233	1,233	1,233	1,233	1,235	7,400	8,757
10 CV624 Solar Water Heating Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 CV625 Solar Photovoltaic Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 CV626 Demonstration and Development	0	0	7,741	103	18,657	135	26,636	3,442	3,442	3,442	3,442	3,442	3,440	20,650	47,286
13 CV627 Affordable Housing Builders and Providers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CV628 Commercial Reflective Roof Program	4,186	407	252	182	361	254	5,642	1,167	1,167	1,167	1,167	1,167	1,165	7,000	12,642
15 CV629 Commercial Energy Consultation	456	83	55	88	2,168	674	3,524	1,908	1,908	1,908	1,908	1,908	1,910	11,450	14,974
16							0							0	0
17 Prior period audit adj.							0							0	0
18							0							0	0
19															
20															
21 TOTAL ALL PROGRAMS	49,591	50,694	56,482	68,954	110,721	70,634	407,076	60,733	60,733	60,733	60,733	60,733	60,735	364,400	771,476
22															
23 LESS AMOUNT INCLUDED															
24 IN RATE BASE															
25															
26 RECOVERABLE CONSERVATION															
27 EXPENSES	49,591	50,694	56,482	68,954	110,721	70,634	407,076	60,733	60,733	60,733	60,733	60,733	60,735	364,400	771,476

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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 ENERGY CONSERVATION ADJUSTMENT
 CALCULATION OF TRUE UP AND INTEREST PROVISION

	ACTUAL FOR MONTHS	January-19	THROUGH	June-19													
	ESTIMATED FOR MONTHS	July-19	THROUGH	December-19	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)		(49,370)	(46,211)	(34,913)	(41,830)	(47,700)	(61,811)	(65,716)	(65,858)	(65,226)	(56,046)	(54,238)	(46,746)	(635,665)			
3. TOTAL REVENUES		(49,370)	(46,211)	(34,913)	(41,830)	(47,700)	(61,811)	(65,716)	(65,858)	(65,226)	(56,046)	(54,238)	(46,746)	(635,665)			
4. PRIOR PERIOD TRUE-UP--ADJ NOT APPLICABLE TO PERIOD		(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(4,303)	(51,633)			
5. CONSERVATION REVENUES APPLICABLE TO PERIOD		(53,673)	(50,514)	(39,216)	(46,133)	(52,003)	(66,114)	(70,019)	(70,161)	(69,529)	(60,349)	(58,541)	(51,046)	(687,298)			
6. CONSERVATION EXPENSES (FORM C-3, PAGE 3)		49,591	50,694	56,482	68,954	110,721	70,634	60,733	60,733	60,733	60,733	60,733	60,733	771,476			
7. TRUE-UP THIS PERIOD		(4,082)	180	17,266	22,821	58,718	4,520	(9,286)	(9,428)	(8,796)	384	2,192	9,689	84,178			
8. INTEREST PROVISION THIS PERIOD (C-3, PAGE 5)		(106)	(99)	(73)	(24)	66	135	135	126	117	117	128	148	670			
9. TRUE-UP & INTEREST PROVISION		(51,633)	(51,518)	(47,134)	(25,638)	1,462	64,549	73,507	68,659	63,660	59,284	64,088	70,711	(51,633)			
10. PRIOR TRUE-UP REFUNDED (COLLECTED)		4,303	4,303	4,303	4,303	4,303	4,303	4,303	4,303	4,303	4,303	4,303	4,303	51,633			
11. END OF PERIOD TOTAL NET TRUE- UP (SUM OF LINES 7,8,9,10)		(51,518)	(47,134)	(25,638)	1,462	64,549	73,507	68,659	63,660	59,284	64,088	70,711	84,848	84,848			

COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 ENERGY CONSERVATION ADJUSTMENT
 CALCULATION OF TRUE UP AND INTEREST PROVISION

SCHEDULE C-3
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ACTUAL FOR MONTHS January-19 THROUGH June-19
 ESTIMATED FOR MONTHS July-19 THROUGH December-19

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
C. INTEREST PROVISION													
1. BEGINNING TRUE-UP (LINE B-9)	(51,633)	(51,518)	(47,134)	(25,638)	1,462	64,549	73,507	68,659	63,660	59,284	64,088	70,711	84,848
2. ENDING TRUE-UP BEFORE INTEREST (LINE B7+B9+B10)	(51,412)	(47,035)	(25,565)	1,486	64,483	73,372	68,524	63,534	59,167	63,971	70,583	84,700	84,178
3. TOTAL BEG. AND ENDING TRUE-UP	(103,045)	(98,553)	(72,699)	(24,152)	65,945	137,921	142,031	132,193	122,827	123,255	134,671	155,411	169,026
4. AVERAGE TRUE-UP (LINE C-3 X 50%)	(51,523)	(49,277)	(36,350)	(12,076)	32,973	68,961	71,016	66,097	61,414	61,628	67,336	77,706	84,513
5. INTEREST RATE-FIRST DAY OF REPORTING BUSINESS MONTH	2.50%	2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	
6. INTEREST RATE-FIRST DAY OF SUBSEQUENT BUSINESS MONTH	2.42%	2.42%	2.43%	2.42%	2.42%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	
7. TOTAL (LINE C-5 + C-6)	4.92%	4.84%	4.85%	4.85%	4.84%	4.70%	4.56%	4.56%	4.56%	4.56%	4.56%	4.56%	
8. AVG INTEREST RATE (C-7 X 50%)	2.46%	2.42%	2.43%	2.43%	2.42%	2.35%	2.28%	2.28%	2.28%	2.28%	2.28%	2.28%	
9. MONTHLY AVERAGE INTEREST RATE	0.205%	0.202%	0.202%	0.202%	0.202%	0.196%	0.190%	0.190%	0.190%	0.190%	0.190%	0.190%	
10. INTEREST PROVISION (LINE C-4 X C-9)	(106)	(99)	(73)	(24)	66	135	135	126	117	117	128	148	670

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COMPANY: FLORIDA PUBLIC UTILITIES COMPANY - CONSOLIDATED ELECTRIC DIVISION
 CALCULATION OF CONSERVATION REVENUES

SCHEDULE C-4
 PAGE 1 OF 1

FOR THE PERIOD January-19 THROUGH December-20

MONTH	KWH/THERM SALES (000) (NET OF 3RD PARTY)	CONSERVATION ADJUSTMENT REVENUE (NET OF REVENUE TAXES)	RATE
2019 JANUARY	49,444	49,370	ACTUAL
FEBRUARY	49,689	46,211	ACTUAL
MARCH	37,267	34,913	ACTUAL
APRIL	43,491	41,830	ACTUAL
MAY	48,678	47,700	ACTUAL
JUNE	62,999	61,811	ACTUAL
JULY	67,555	65,716	0.097278
AUGUST	67,801	65,858	0.097134
SEPTEMBER	67,150	65,226	0.097135
OCTOBER	57,700	56,046	0.097133
NOVEMBER	55,839	54,238	0.097133
DECEMBER	48,126	46,746	0.097133
SUB-TOTAL	655,739	635,665	
2020 JANUARY	49,169	65,038	0.132272
FEBRUARY	46,881	62,011	0.132272
MARCH	43,400	57,405	0.132272
APRIL	44,611	59,008	0.132272
MAY	51,273	67,820	0.132272
JUNE	60,217	79,651	0.132272
JULY	62,443	82,595	0.132272
AUGUST	60,760	80,368	0.132272
SEPTEMBER	60,937	80,602	0.132272
OCTOBER	51,220	67,750	0.132272
NOVEMBER	49,534	65,520	0.132272
DECEMBER	50,715	67,082	0.132272
SUB-TOTAL	631,161	834,850	
TOTALS	1,286,900	1,470,515	

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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 and two LED bulbs.

PROGRAM PROJECTIONS:

For the twelve-month period of January 2020 to December 2020, the Company estimates that 150 residential surveys will be conducted. Fiscal expenditures for 2020 are projected to be \$85,500. For January 2020 through December 2020, the goal for the number of program participants is 100.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019, 44 surveys were performed and actual expenditures were \$33,548. We estimate that another 56 surveys will be performed between July 2019 and December 2019. Projected program costs as filed for January 2019-December 2019 are \$98,500.

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, 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 2020, the Company estimates that 10 Commercial Heating and Cooling allowances will be paid. Fiscal expenditures for 2020 are projected to be \$27,800.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019, no Commercial Heating and Cooling allowances were paid and actual expenditures were \$1,311. We estimate that 5 Commercial Heating and Cooling allowances will be paid between July 2019 and December 2019. For January 2019 through December 2019 the projected expenses as filed are \$11,900. For January 2020 through December 2020, 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 2020, the Company estimates that 150 Residential Heating and Cooling allowances will be paid. Fiscal expenditures for 2020 are projected to be \$60,800.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019, 64 Residential Heating and Cooling allowances were paid and actual expenditures were \$14,062. We estimate that another 64 Residential Heating and Cooling allowances will be paid between July 2019 and December 2019. For January 2019 through December 2019 the projected expenses as filed are \$39,300.

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 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.

PROGRAM PROJECTIONS:

For the twelve-month period of January to December 2020, the Company estimates that 2 Commercial Chiller Upgrades rebate will be paid. Fiscal expenditures for 2020 are projected to be \$7,800.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019, no Commercial Chiller Upgrade allowances were paid and actual expenditures were \$1,357. We estimate that 1 Commercial Chiller Upgrade rebate will be paid between July 2019 and December 2019. For January 2019 through December 2019 the projected expenses as filed are \$14,800.

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.

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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 2020, the Company estimates that they will engage in at least 2 CDD project. Fiscal expenditures for 2020 are projected to be \$45,000.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019 actual expenditures were \$26,636. For January 2019 through December 2019 the projected expenses as filed are \$41,300.

PROGRAM SUMMARY:

Per the Company's 2015 Demand Side Management Plan (approved by ORDER NUMBER PSC-15-0326-PAA-EG), FPUC will notify the Florida Public Service Commission of any CDD project that exceeds \$15,000. FPU wishes to test the viability of using battery storage technology to improve customer's electric system reliability and resiliency (see Exhibit A). In addition, the pilot will test whether the technology can be used to lower FPU's power supply cost and test the viability of using storage batteries to integrate renewables into FPU's power purchase portfolio. Florida Public Utilities Company will limit the total CDD expenditures to a maximum of \$75,000 per year. Costs for CDD projects that meet the program's criteria for acceptance will be charged to Energy Conservation Cost Recovery account.

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 2020, fiscal expenditures are projected to be \$6,100.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019 actual expenditures were \$46. For January 2019 through December 2019 the projected expenses as filed are \$4,600.

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.

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 2020, the Company estimates that 10 Commercial Reflective Roof allowances will be paid. Fiscal expenditures for 2020 are projected to be \$14,700.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019, 1 commercial roofing rebates was paid and actual expenditures were \$5,642. We estimate that 9 commercial roofing rebates will be paid between July 2019 and December 2019. For January 2019 through December 2019 the projected expenses as filed are \$14,000. For January 2020 through December 2020, the goal for the number of program participants is 10.

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.

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 2020, fiscal expenditures are projected to be \$11,300.

PROGRAM ACTIVITY AND EXPENDITURES:

From January 2019 through June 2019 11 commercial consultations were completed. The actual expenditures were \$3,524. For January 2019 through December 2019 the projected expenses as filed are \$22,900.

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.

DUKE ENERGY FLORIDA, LLC
ENERGY CONSERVATION ADJUSTED NET TRUE-UP
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

LINE
NO.

1	ACTUAL END OF PERIOD TRUE-UP (OVER) / UNDER RECOVERY		
2	BEGINNING BALANCE	(\$5,894,546)	
3	PRINCIPAL (CT 3, PAGE 2 of 5)	(5,885,861)	
4	INTEREST (CT 3, PAGE 3 of 5)	(93,525)	
5	PRIOR TRUE-UP REFUND	5,894,546	
6	ADJUSTMENTS	<u>0</u>	(\$5,979,386)
7	LESS: ESTIMATED TRUE-UP FROM AUGUST 2018		
8	PROJECTION FILING (OVER) / UNDER RECOVERY		
9	BEGINNING BALANCE	(\$5,894,546)	
10	PRINCIPAL	(8,207,237)	
11	INTEREST	(107,540)	
12	PRIOR TRUE-UP REFUND	5,894,544	
13	ADJUSTMENTS	<u>0</u>	<u>(\$8,314,779)</u>
14	VARIANCE TO PROJECTION		<u><u>\$2,335,393</u></u>

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 12
PARTY: DUKE ENERGY FLORIDA, LLC (DEF)
– (DIRECT)
DESCRIPTION: Lori J. Cross LJC-1T

DUKE ENERGY FLORIDA, LLC

ANALYSIS OF ENERGY CONSERVATION PROGRAM COSTS
 ACTUAL VS. ESTIMATED
 FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

LINE NO.	PROGRAM	ACTUAL	ESTIMATED	DIFFERENCE
1	DEPRECIATION AMORT. & RETURN	12,962,878	13,283,521	(320,643)
2	PAYROLL AND BENEFITS	12,881,862	13,794,314	(912,452)
3	MATERIALS AND SUPPLIES	464,408	436,800	27,608
4	OUTSIDE SERVICES	4,799,669	4,340,416	459,253
5	ADVERTISING	2,076,922	1,860,062	216,861
6	INCENTIVES	78,703,016	76,169,900	2,533,116
7	VEHICLES	264,957	287,298	(22,341)
8	OTHER	709,621	810,982	(101,361)
9	PROGRAM REVENUES	0	0	0
10	TOTAL PROGRAM COSTS	112,863,333	110,983,292	1,880,041
11	LESS:			
12	CONSERVATION CLAUSE REVENUES	112,854,648	113,295,985	(441,337)
13	PRIOR TRUE-UP	5,894,546	5,894,546	0
14	TRUE-UP BEFORE INTEREST	(5,885,861)	(8,207,239)	2,321,378
15	AUDIT & REV DECOUPLING ADJUSTMENT			
16	INTEREST PROVISION	(93,525)	(107,540)	14,015
17	END OF PERIOD TRUE-UP	(5,979,386)	(8,314,779)	2,335,393

() REFLECTS OVERRECOVERY

** 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 2018 THROUGH DECEMBER 2018

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	15,024	2,573,561	92,465	975,467	156,740	480,362	448,570	110,500	4,852,689	0	4,852,689
2	RESIDENTIAL INCENTIVE PROGRAM	0	2,158,842	81,980	259,213	29,709	58,504	5,644,553	34,788	8,267,588	0	8,267,588
3	BUSINESS ENERGY CHECK	4,119	411,069	8,606	63,920	5,564	14,213	18,358	19,235	545,085	0	545,085
4	BETTER BUSINESS	0	1,148,067	8,424	113,376	28,075	33,913	1,812,269	24,734	3,168,858	0	3,168,858
5	TECHNOLOGY DEVELOPMENT	0	229,844	3	11,934	184,695	0	0	11,324	437,800	0	437,800
6	FLORIDA CUSTOM INCENTIVE PROGRAM	0	209,006	627	164,099	947	104,865	269,984	13,454	762,982	0	762,982
7	INTERRUPTIBLE SERVICE	15,522	216,400	965	403	1,848	0	36,723,684	4,322	36,963,144	0	36,963,144
8	CURTAILABLE SERVICE	0	36,570	0	0	0	0	2,141,043	187	2,177,800	0	2,177,800
9	LOAD MANAGEMENT (RESIDENTIAL & COMMERCIAL)	12,915,763	1,751,033	60,332	2,398,936	(24,974)	1,244,103	25,564,439	71,196	43,980,828	0	43,980,828
10	LOW INCOME WEATHERIZATION ASSISTANCE PROGRAM	0	126,682	0	1,704	0	24,000	98,808	8,670	259,865	0	259,865
11	STANDBY GENERATION	12,450	300,041	5,633	13,207	18,545	0	4,266,854	3,079	4,619,809	0	4,619,809
12	QUALIFYING FACILITY	0	1,098,223	3,339	72,651	101	0	0	26,987	1,201,302	0	1,201,302
13	NEIGHBORHOOD ENERGY SAVER	0	210,933	1,399	260,992	1,772	116,962	1,714,454	26,576	2,333,088	0	2,333,088
14	CONSERVATION PROGRAM ADMIN	0	2,411,591	1,183	463,767	61,385	0	0	354,568	3,292,495	0	3,292,495
15	TOTAL ALL PROGRAMS	12,962,878	12,881,862	264,957	4,799,669	464,408	2,076,922	78,703,016	709,621	112,863,333	0	112,863,333

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	0	(228,004)	(5,664)	(65,767)	54,536	(196,092)	(41,295)	(25,769)	(508,055)	0	(508,055)
2	RESIDENTIAL INCENTIVE PROGRAM	0	(174,286)	1,896	69,117	22	35,032	424,432	(2,326)	353,887	0	353,887
3	BUSINESS ENERGY CHECK	0	(13,207)	203	34,311	107	(924)	(6,096)	(3,252)	11,141	0	11,141
4	BETTER BUSINESS	0	(79,165)	(2,297)	19,793	22,413	5,000	252,251	2,725	220,719	0	220,719
5	TECHNOLOGY DEVELOPMENT	0	(8,777)	0	(200,247)	165,983	0	0	(4,698)	(47,739)	0	(47,739)
6	FLORIDA CUSTOM INCENTIVE PROGRAM	0	61,773	292	16,811	(4,542)	67,130	104,194	11,205	256,863	0	256,863
7	INTERRUPTIBLE SERVICE	(4,553)	(65,165)	(858)	335	533	0	1,185,274	849	1,116,415	0	1,116,415
8	CURTAILABLE SERVICE	0	(4,244)	0	0	0	0	146,318	0	142,074	0	142,074
9	LOAD MANAGEMENT (RESIDENTIAL & COMMERCIAL)	(316,023)	(127,537)	(10,446)	771,775	(97,814)	274,269	1,030,098	9,225	1,533,548	0	1,533,548
10	LOW INCOME WEATHERIZATION ASSISTANCE PROGRAM	0	(6,522)	0	(575)	0	(10,000)	(37,738)	(2,385)	(57,221)	0	(57,221)
11	STANDBY GENERATION	(67)	(23,748)	(1,061)	7,716	(106,411)	0	329,767	(2,789)	203,408	0	203,408
12	QUALIFYING FACILITY	0	(64,869)	(509)	42,651	(101)	0	0	(2,587)	(25,415)	0	(25,415)
13	NEIGHBORHOOD ENERGY SAVER	0	(3,603)	511	(71,610)	883	42,446	(854,089)	3,423	(882,039)	0	(882,039)
14	CONSERVATION PROGRAM ADMIN	0	(175,098)	(4,409)	(165,055)	(8,000)	0	0	(84,983)	(437,545)	0	(437,545)
15	TOTAL ALL PROGRAMS	(320,643)	(912,452)	(22,341)	459,253	27,608	216,861	2,533,116	(101,361)	1,880,041	0	1,880,041

** Certain schedules may not foot/crossfoot due to rounding of decimals in files.

DUKE ENERGY FLORIDA, LLC

ESTIMATED ENERGY CONSERVATION PROGRAM COSTS PER PROGRAM
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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	15,024	2,801,565	98,129	1,041,233	102,204	676,453	489,866	136,269	5,360,744	0	5,360,744
2	RESIDENTIAL INCENTIVE PROGRAM	0	2,333,127	80,084	190,096	29,687	23,472	5,220,121	37,114	7,913,701	0	7,913,701
3	BUSINESS ENERGY CHECK	4,119	424,277	8,403	29,610	5,458	15,138	24,454	22,486	533,945	0	533,945
4	BETTER BUSINESS	0	1,227,232	10,721	93,583	5,662	28,913	1,560,019	22,010	2,948,139	0	2,948,139
5	TECHNOLOGY DEVELOPMENT	0	238,621	3	212,181	18,712	0	0	16,022	485,539	0	485,539
6	FLORIDA CUSTOM INCENTIVE PROGRAM	0	147,233	335	147,288	5,489	37,735	165,790	2,249	506,119	0	506,119
7	INTERRUPTIBLE SERVICE	20,075	281,565	1,823	68	1,314	0	35,538,410	3,473	35,846,729	0	35,846,729
8	CURTAILABLE SERVICE	0	40,814	0	0	0	0	1,994,725	187	2,035,726	0	2,035,726
9	LOAD MANAGEMENT (RESIDENTIAL & COMMERCIAL)	13,231,786	1,878,570	70,778	1,627,161	72,840	969,833	24,534,341	61,971	42,447,280	0	42,447,280
10	LOW INCOME WEATHERIZATION ASSISTANCE PROGRAM	0	133,205	0	2,279	0	34,000	136,546	11,056	317,086	0	317,086
11	STANDBY GENERATION	12,517	323,789	6,694	5,491	124,956	0	3,937,087	5,868	4,416,401	0	4,416,401
12	QUALIFYING FACILITY	0	1,163,092	3,848	30,000	203	0	0	29,574	1,226,716	0	1,226,716
13	NEIGHBORHOOD ENERGY SAVER	0	214,536	888	332,602	889	74,517	2,568,542	23,153	3,215,127	0	3,215,127
14	CONSERVATION PROGRAM ADMIN	0	2,586,688	5,592	628,823	69,386	0	0	439,551	3,730,040	0	3,730,040
15	TOTAL ALL PROGRAMS	13,283,521	13,794,314	287,298	4,340,416	436,800	1,860,062	76,169,900	810,982	110,983,292	0	110,983,292

DUKE ENERGY FLORIDA, LLC

ACTUAL CONSERVATION PROGRAM COSTS BY MONTH
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

LINE NO.	PROGRAM TITLE	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
1	HOME ENERGY CHECK	327,207	505,211	460,997	443,106	474,892	500,408	332,918	368,806	332,637	482,165	304,022	320,319	4,852,689
2	RESIDENTIAL INCENTIVE PROGRAM	551,993	681,115	707,143	691,103	704,335	755,512	648,138	812,534	701,708	608,430	804,145	601,432	8,267,588
3	BUSINESS ENERGY CHECK	40,053	40,214	42,967	44,292	57,689	43,902	39,177	49,640	51,290	55,167	41,684	39,009	545,085
4	BETTER BUSINESS	202,110	226,603	227,179	343,237	224,834	302,902	345,331	317,401	254,079	254,480	279,345	191,358	3,168,858
5	TECHNOLOGY DEVELOPMENT	121,044	(53,961)	5,604	22,480	27,303	31,169	27,368	76,371	18,547	10,478	25,402	125,993	437,800
6	FLORIDA CUSTOM INCENTIVE PROGRAM	43,045	36,879	37,106	29,553	62,243	52,227	69,495	30,510	30,981	88,167	132,677	150,098	762,982
7	INTERRUPTIBLE SERVICE	2,680,409	2,824,139	2,900,923	2,927,236	3,043,820	3,338,185	3,369,012	3,440,377	3,213,193	3,138,841	3,160,921	2,926,088	36,963,144
8	CURTAILABLE SERVICE	173,649	197,120	320,041	16,427	158,070	180,970	176,130	216,029	167,909	124,704	263,010	183,741	2,177,800
9	LOAD MANAGEMENT (RESIDENTIAL & COMMERCIAL)	3,872,981	4,043,243	3,647,423	3,013,016	3,039,336	3,511,786	3,507,469	3,562,796	3,702,948	3,736,084	4,324,790	4,018,956	43,980,828
10	LOW INCOME WEATHERIZATION ASSISTANCE PROGRAM	39,637	19,632	30,996	24,704	17,531	19,345	23,251	15,043	18,401	14,108	20,173	17,044	259,865
11	STANDBY GENERATION	327,388	325,698	341,424	396,878	350,136	357,388	548,800	369,330	373,337	464,789	38,523	726,119	4,619,809
12	QUALIFYING FACILITY	90,056	91,353	98,027	98,466	102,345	105,455	123,449	121,319	104,599	106,008	111,753	48,471	1,201,302
13	NEIGHBORHOOD ENERGY SAVER	181,596	303,043	184,910	281,382	(41,415)	472,461	124,473	39,297	161,190	216,886	199,384	209,881	2,333,088
14	CONSERVATION PROGRAM ADMIN	367,444	402,108	501,570	202,124	361,441	60,095	445,183	320,312	502,253	271,807	332,461	(474,305)	3,292,495
15	TOTAL ALL PROGRAMS	9,018,614	9,642,397	9,506,310	8,534,005	8,582,559	9,731,805	9,780,194	9,739,766	9,633,074	9,572,113	10,038,291	9,084,205	112,863,333
16	LESS: BASE RATE RECOVERY	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NET RECOVERABLE (CT-3,PAGE 2)	9,018,614	9,642,397	9,506,310	8,534,005	8,582,559	9,731,805	9,780,194	9,739,766	9,633,074	9,572,113	10,038,291	9,084,205	112,863,333

DUKE ENERGY FLORIDA, LLC
ENERGY CONSERVATION ADJUSTMENT
CALCULATION OF TRUE-UP
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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	8,332,326	8,855,241	8,443,318	8,027,967	8,322,867	9,924,426	10,898,995	10,729,324	10,999,563	10,613,617	9,314,309	8,392,695	112,854,648
3	TOTAL REVENUES	8,332,326	8,855,241	8,443,318	8,027,967	8,322,867	9,924,426	10,898,995	10,729,324	10,999,563	10,613,617	9,314,309	8,392,695	112,854,648
4	PRIOR PERIOD TRUE-UP OVER/(UNDER)	(5,894,546)	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	5,894,546
5	CONSERVATION REVENUES APPLICABLE TO PERIOD	8,823,539	9,346,453	8,934,531	8,519,179	8,814,080	10,415,638	11,390,207	11,220,536	11,490,775	11,104,829	9,805,521	8,883,907	118,749,194
6	CONSERVATION EXPENSES (CT-3,PAGE 1, LINE 37)	9,018,614	9,642,397	9,506,310	8,534,005	8,582,559	9,731,805	9,780,194	9,739,766	9,633,074	9,572,113	10,038,291	9,084,205	112,863,333
7	TRUE-UP THIS PERIOD (O)/U	195,075	295,944	571,779	14,826	(231,520)	(683,833)	(1,610,013)	(1,480,770)	(1,857,702)	(1,532,715)	232,770	200,298	(5,885,861)
8	CURRENT PERIOD INTEREST	(7,032)	(6,188)	(5,659)	(4,829)	(4,245)	(4,347)	(5,572)	(7,320)	(9,815)	(12,760)	(13,343)	(12,415)	(93,525)
9	ADJUSTMENTS PER AUDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
10	TRUE-UP & INTEREST PROVISIONS BEGINNING OF PERIOD (O)/U	(5,894,546)	(5,215,290)	(4,434,322)	(3,376,990)	(2,875,781)	(2,620,334)	(2,817,302)	(3,941,675)	(4,938,552)	(6,314,857)	(7,369,120)	(6,658,481)	(5,894,546)
11	PRIOR TRUE-UP REFUNDED/ (COLLECTED)	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	491,212	5,894,546
12	END OF PERIOD NET TRUE-UP	(5,215,290)	(4,434,322)	(3,376,990)	(2,875,781)	(2,620,334)	(2,817,302)	(3,941,675)	(4,938,552)	(6,314,857)	(7,369,120)	(6,658,481)	(5,979,386)	(5,979,386)

DUKE ENERGY FLORIDA, LLC

CALCULATION OF INTEREST PROVISION
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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 9 & 10)	(5,894,546)	(5,215,290)	(4,434,322)	(3,376,990)	(2,875,781)	(2,620,334)	(2,817,302)	(3,941,675)	(4,938,552)	(6,314,857)	(7,369,120)	(6,658,481)	
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(5,208,258)	(4,428,134)	(3,371,331)	(2,870,952)	(2,616,089)	(2,812,955)	(3,936,103)	(4,931,232)	(6,305,042)	(7,356,360)	(6,645,138)	(5,966,971)	
3 TOTAL BEGINNING & ENDING TRUE-UP	(11,102,804)	(9,643,425)	(7,805,653)	(6,247,942)	(5,491,870)	(5,433,289)	(6,753,404)	(8,872,907)	(11,243,594)	(13,671,217)	(14,014,258)	(12,625,451)	
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(5,551,402)	(4,821,712)	(3,902,827)	(3,123,971)	(2,745,935)	(2,716,644)	(3,376,702)	(4,436,453)	(5,621,797)	(6,835,608)	(7,007,129)	(6,312,726)	
5 INTEREST RATE: FIRST DAY REPORTING BUSINESS MONTH	1.58%	1.46%	1.62%	1.86%	1.85%	1.86%	1.98%	1.98%	1.98%	2.21%	2.27%	2.30%	
6 INTEREST RATE: FIRST DAY SUBSEQUENT BUSINESS MONTH	1.46%	1.62%	1.86%	1.85%	1.86%	1.98%	1.98%	1.98%	2.21%	2.27%	2.30%	2.42%	
7 TOTAL (LINE 5 AND LINE 6)	3.04%	3.08%	3.48%	3.71%	3.71%	3.84%	3.96%	3.96%	4.19%	4.48%	4.57%	4.72%	
8 AVERAGE INTEREST RATE (50% OF LINE 7)	1.52%	1.54%	1.74%	1.86%	1.86%	1.92%	1.98%	1.98%	2.10%	2.24%	2.29%	2.36%	
9 INTEREST PROVISION (LINE 4 * LINE 8) / 12	(7,032)	(6,188)	(5,659)	(4,829)	(4,245)	(4,347)	(5,572)	(7,320)	(9,815)	(12,760)	(13,343)	(12,415)	(93,525)

Duke Energy Florida, LLC
 Conservation Account Numbers
 For the Period January 2018 - December 2018

Line No.	Account	Product	Program Title
1	0908000	HEHC	Home Energy Check
1	0909000	HEHC	Home Energy Check (Advertising)
1	0403002	HEHC	Home Energy Check (Equipment Depreciation)
2	0908000	SSHEI	Residential Incentive Program
2	0909000	SSHEI	Residential Incentive Program (Advertising)
3	0908000	NRAOS	Business Energy Check
3	0909000	NRAOS	Business Energy Check (Advertising)
3	0403002	NRAOS	Business Energy Check (Equipment Depreciation)
4	0908000	NRBBUS	Better Business
4	0909000	NRBBUS	Better Business (Advertising)
5	0908000	TECDEV	Technology Development
5	0908000	TECDEV	Technology Development (Energy Efficiency Research)
6	0908000	NRPRSC	Florida Custom Incentive
6	0909000	NRPRSC	Florida Custom Incentive (Advertising)
7	0908000	IRRSVC	Interruptible Service
7	0403002	IRRSVC	Interruptible Service (Equipment Depreciation)
8	0908000	PWRSHR	Curtable Service

Duke Energy Florida, LLC
Conservation Account Numbers
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

Line No.	Account	Product	Program Title
9	0908000	PWRMGR	Energy Management - Residential
9	0908002	PWRMGR	Energy Management - Residential (Amortization of Load Mgmt Switches)
9	0909000	PWRMGR	Energy Management - Residential (Advertising)
9	0403002	PWRMGR	Energy Management - Residential (Equipment Depreciation)
9	0182398	PWRMGR	Other accounts included with Energy Management - Residential (Switch installation)
10	0908000	COMLM	Energy Management - Commercial
11	0908000	WZELEC	Low Income Weatherization Asst
11	0909000	WZELEC	Low Income Weatherization Asst (Advertising)
12	0908000	STBGEN	Standby Generation
12	0403002	STBGEN	Standby Generation (Equipment Depreciation)
13	0908000	PPCOGN	Qualifying Facility
13	0908000	PPCOGN	Qualifying Facility - COGEN contract maintenance
14	0908000	HWLI	Neighborhood Energy Saver
14	0909000	HWLI	Neighborhood Energy Saver (Advertising)
15	0908000	NOPROD	Conservation Program Admin
15	0909000	NOPROD	Conservation Program Admin (Advertising)

DUKE ENERGY FLORIDA, LLC

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

LINE NO.	BEGINNING BALANCE	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
1 ENERGY CONSERVATION ADMIN														
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 CUMM. NET INVEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LESS: ACC. NET DEPR	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 AVG INVEST		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 INTERRUPTIBLE SERVICE														
19 INVESTMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
20 RETIREMENTS		0	0	165	0	0	0	0	0	0	0	0	0	165
21 DEPRECIATION BASE		63,838	63,838	63,756	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673
22														
23 DEPRECIATION EXPENSE		1,064	1,064	1,063	1,061	1,061	1,061	1,061	1,061	1,061	1,061	1,061	1,061	12,740
24														
25 CUMM. NET INVEST	63,838	63,838	63,838	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673	63,673
26 LESS: ACC. NET DEPR	23,758	24,822	25,886	26,784	27,845	28,906	29,967	31,028	32,089	33,150	34,211	35,272	36,333	36,333
27 NET INVESTMENT	40,080	39,016	37,952	36,889	35,828	34,767	33,706	32,645	31,584	30,523	29,462	28,401	27,340	27,340
28 AVERAGE INVESTMENT		39,548	38,484	37,421	36,359	35,298	34,237	33,176	32,115	31,054	29,993	28,932	27,871	27,871
29 RETURN ON AVG INVEST		221	216	209	203	197	192	183	177	171	165	159	154	2,247
30														
31 RETURN REQUIREMENTS		274	267	259	251	244	237	227	219	212	204	197	191	2,782
32														
33 PROGRAM TOTAL		1,338	1,331	1,322	1,312	1,305	1,298	1,288	1,280	1,273	1,265	1,258	1,252	15,522
34														
35 BUSINESS ENERGY CHECK														
36 INVESTMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
37 RETIREMENTS		0	0	0	69,415	0	0	0	0	0	0	0	0	69,415
38 DEPRECIATION BASE		69,415	69,415	69,415	34,708	0	0	0	0	0	0	0	0	0
39														
40 DEPRECIATION EXPENSE		1,157	1,157	1,157	596	0	0	0	0	0	0	0	0	4,067
41														
42 CUMM. NET INVEST	69,415	69,415	69,415	69,415	0	0	0	0	0	0	0	0	0	0
43 LESS: ACC. NET DEPR	65,348	66,505	67,662	68,819	0	0	0	0	0	0	0	0	0	0
44 NET INVESTMENT	4,067	2,910	1,753	596	0	0	0	0	0	0	0	0	0	0
45 AVERAGE INVESTMENT		3,488	2,331	1,174	298	0	0	0	0	0	0	0	0	0
46 RETURN ON AVG INVEST		20	13	7	2	0	0	0	0	0	0	0	0	42
47														
48 RETURN REQUIREMENTS		25	16	9	2	0	0	0	0	0	0	0	0	52
49														
50 PROGRAM TOTAL		1,182	1,173	1,166	598	0	0	0	0	0	0	0	0	4,119

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- Jul - Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

DUKE ENERGY FLORIDA, LLC

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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		982	982	982	982	982	982	982	982	982	982	982	982	11,784
7														
8 CUMM. NET INVEST	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: ACC. NET DEPR	37,330	38,312	39,294	40,276	41,258	42,240	43,222	44,204	45,186	46,168	47,150	48,132	49,114	49,114
10 NET INVESTMENT	45,132	44,150	43,168	42,186	41,204	40,222	39,240	38,258	37,276	36,294	35,312	34,330	33,348	33,348
11 AVERAGE INVESTMENT		44,641	43,659	42,677	41,695	40,713	39,731	38,749	37,767	36,785	35,803	34,821	33,839	
12 RETURN ON AVG INVEST		250	244	239	233	227	223	214	208	203	198	192	186	2,617
13														
14 RETURN REQUIREMENTS		309	302	296	288	281	276	265	258	252	245	238	230	3,240
15														
16 PROGRAM TOTAL		1,291	1,284	1,278	1,270	1,263	1,258	1,247	1,240	1,234	1,227	1,220	1,212	15,024
17														
18 RESIDENTIAL INCENTIVE PROGRAM														
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 CUMM. NET INVEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 LESS: ACC. NET DEPR	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 AVG INVEST		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 LOAD MANAGEMENT SWITCHES														
36 INVESTMENTS		791,351	611,611	903,634	983,421	611,854	1,067,446	316,488	899,279	863,814	1,070,889	415,682	678,592	9,214,061
37 RETIREMENTS		45,307	27,438	28,990	22,550	28,922	23,246	12,183	17,719	39,975	31,979	20,040	14,694	313,044
38 INVESTMENTS BOOKED TO CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
39 CLOSING TO PLANT		0	0	0	0	0	0	0	0	0	0	0	0	0
40 DEPRECIATION BASE		24,211,300	24,966,279	25,549,676	26,427,539	27,385,224	27,970,994	29,020,725	29,322,263	30,192,694	31,020,532	32,065,411	32,463,726	
41														
42 AMORTIZATION EXPENSE		403,530	416,113	425,836	440,468	456,430	466,193	483,688	488,714	503,222	517,019	534,434	541,073	5,676,720
43														
44 CUMM. NET INVEST	24,233,953	24,979,998	25,564,171	26,438,814	27,399,685	27,982,617	29,026,817	29,331,122	30,212,682	31,036,521	32,075,431	32,471,073	33,134,971	33,134,971
45 LESS: ACC. NET DEPR	7,265,070	7,623,293	8,011,968	8,408,814	8,826,731	9,254,239	9,697,187	10,168,691	10,639,686	11,102,933	11,587,973	12,102,367	12,628,746	12,628,746
46 CUMM. CWIP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 NET INVESTMENT	16,968,883	17,356,704	17,552,202	18,030,000	18,572,953	18,728,378	19,329,630	19,162,430	19,572,996	19,933,588	20,487,458	20,368,706	20,506,225	20,506,225
48 AVERAGE INVESTMENT		17,162,794	17,454,453	17,791,101	18,301,477	18,650,665	19,029,004	19,246,030	19,367,713	19,753,292	20,210,523	20,428,082	20,437,465	
49 RETURN ON AVG INVEST		96,031	97,663	99,546	102,402	104,356	106,473	106,146	106,817	108,943	111,465	112,665	112,716	1,265,223
50														
51 RETURN REQUIREMENTS		118,837	120,856	123,186	126,721	129,139	131,759	131,468	132,299	134,932	138,056	139,542	139,605	1,566,400
52														
53 PROGRAM TOTAL		522,367	536,969	549,022	567,189	585,569	597,952	615,156	621,013	638,154	655,075	673,976	680,678	7,243,120

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- Jul - Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

DUKE ENERGY FLORIDA, LLC

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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		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 CUMM. NET INVEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LESS: ACC. NET DEPR	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 AVG INVEST		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 STANDBY GENERATION														
19 INVESTMENTS		0	0	0	0	0	0	0	0	0	0	0	0	0
20 RETIREMENTS		0	0	43,836	0	0	0	0	0	0	0	0	0	43,836
21 DEPRECIATION BASE		91,374	91,374	69,456	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	
22														
23 DEPRECIATION EXPENSE		1,523	1,523	1,158	792	792	792	792	792	792	792	792	792	11,332
24														
25 CUMM. NET INVEST	91,374	91,374	91,374	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538	47,538
26 LESS: ACC. NET DEPR	71,512	73,035	74,558	31,880	32,672	33,464	34,256	35,048	35,840	36,632	37,424	38,216	39,008	39,008
27 NET INVESTMENT	19,862	18,339	16,816	15,658	14,866	14,074	13,282	12,490	11,698	10,906	10,114	9,322	8,530	8,530
28 AVERAGE INVESTMENT		19,101	17,578	16,237	15,262	14,470	13,678	12,886	12,094	11,302	10,510	9,718	8,926	
29 RETURN ON AVG INVEST		107	99	91	86	81	77	71	67	63	58	54	50	904
30														
31 RETURN REQUIREMENTS		132	122	113	106	100	95	88	83	78	72	67	62	1,118
32														
33 PROGRAM TOTAL		1,655	1,645	1,271	898	892	887	880	875	870	864	859	854	12,450
34														
35 BETTER BUSINESS														
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	0
39														
40 DEPRECIATION EXPENSE		0	0	0	0	0	0	0	0	0	0	0	0	0
41														
42 CUMM. NET INVEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 LESS: ACC. NET DEPR	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	0
46 RETURN ON AVG INVEST		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

NOTE: - Jan - Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-E
- Jul - Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-E
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

DUKE ENERGY FLORIDA, LLC

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

LINE NO.	BEGINNING BALANCE	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
1	RESIDENTIAL ENERGY MANAGEMENT - SUMMARY (Itemized below) (D)													
2		791,351	611,611	903,634	983,421	611,854	1,067,446	316,488	899,279	863,814	1,070,889	415,682	678,592	9,214,062
3		45,307	27,438	62,516	22,550	28,922	23,246	12,183	17,719	39,975	5,568,624	134,153	126,483	6,109,118
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		52,731,253	53,486,232	54,052,866	54,913,966	55,871,651	56,457,421	57,507,152	57,808,690	58,679,121	56,738,636	54,958,136	55,243,500	
7														
8		825,101	837,684	849,031	861,480	877,442	887,205	904,700	909,726	924,234	891,892	862,216	866,972	10,497,683
9														
10	52,753,907	53,499,951	54,084,124	54,925,242	55,886,112	56,469,044	57,513,244	57,817,549	58,699,109	59,522,948	55,025,212	55,306,741	55,858,851	55,858,851
11	22,970,184	23,749,978	24,560,224	25,346,739	26,185,668	27,034,188	27,898,148	28,790,664	29,682,671	30,566,930	25,890,197	26,618,260	27,358,750	27,358,750
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	29,783,723	29,749,972	29,523,900	29,578,503	29,700,443	29,434,856	29,615,096	29,026,885	29,016,438	28,956,018	29,135,015	28,688,481	28,500,101	28,500,101
14		29,766,849	29,636,936	29,551,201	29,639,473	29,567,650	29,524,976	29,320,990	29,021,661	28,986,228	29,045,516	28,911,748	28,594,291	
15		166,556	165,828	165,346	165,842	165,439	165,202	161,712	160,061	159,865	160,191	159,454	157,703	1,953,199
16														
17		206,111	205,209	204,611	205,226	204,729	204,436	200,290	198,244	198,001	198,406	197,493	195,324	2,418,080
18														
19		1,031,212	1,042,893	1,053,642	1,066,706	1,082,171	1,091,641	1,104,990	1,107,970	1,122,235	1,090,298	1,059,709	1,062,296	12,915,763
20														
21	RESIDENTIAL ENERGY MANAGEMENT - SMARTGRID HARDWARE FOR ODS, LMS, APPDEV, & TELECOM (D)													
22		0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0
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		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	
27														
28		122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	1,472,268
29														
30	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	10,587,391
31	5,936,434	6,059,123	6,181,812	6,304,501	6,427,190	6,549,879	6,672,568	6,795,257	6,917,946	7,040,635	7,163,324	7,286,013	7,408,702	7,408,702
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	4,650,957	4,528,268	4,405,579	4,282,890	4,160,201	4,037,512	3,914,823	3,792,134	3,669,445	3,546,756	3,424,067	3,301,378	3,178,689	3,178,689
34		4,589,613	4,466,924	4,344,235	4,221,546	4,098,857	3,976,168	3,853,479	3,730,790	3,608,101	3,485,412	3,362,723	3,240,034	
35		25,681	24,994	24,307	23,621	22,934	22,248	21,253	20,576	19,900	19,222	18,546	17,869	261,151
36														
37		31,780	30,930	30,079	29,230	28,381	27,532	26,323	25,484	24,647	23,808	22,970	22,132	323,296
38														
39		154,469	153,619	152,768	151,919	151,070	150,221	149,012	148,173	147,336	146,497	145,659	144,821	1,795,564
40														
41	RESIDENTIAL ENERGY MANAGEMENT - SMARTGRID SOFTWARE FOR ODS, LMS, APPDEV (D)													
42		0	0	0	0	0	0	0	0	0	0	0	0	0
43		0	0	0	0	0	0	0	0	0	5,536,646	114,113	111,789	5,762,548
44		0	0	0	0	0	0	0	0	0	0	0	0	0
45		0	0	0	0	0	0	0	0	0	0	0	0	0
46		17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	15,130,713	12,305,334	12,192,383	
47														
48	5 yr Property	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	298,323	252,184	205,093	203,210	3,345,394
49														
50	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	17,899,036	12,362,391	12,248,277	12,136,489	12,136,489
51	9,738,455	10,036,778	10,335,101	10,633,424	10,931,747	11,230,070	11,528,393	11,826,716	12,125,039	12,423,362	7,138,900	7,229,880	7,321,301	7,321,301
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	8,160,581	7,862,258	7,563,935	7,265,612	6,967,289	6,668,966	6,370,643	6,072,320	5,773,997	5,475,674	5,223,490	5,018,397	4,815,187.48	4,815,187
54		8,011,420	7,713,097	7,414,774	7,116,451	6,818,128	6,519,805	6,221,482	5,923,159	5,624,836	5,349,582	5,120,944	4,916,792	
55		44,827	43,157	41,487	39,819	38,149	36,481	34,313	32,668	31,022	29,504	28,243	27,118	426,788
56														
57		55,473	53,406	51,339	49,275	47,209	45,145	42,499	40,461	38,422	36,542	34,981	33,587	528,339
58														
59		353,796	351,729	349,662	347,598	345,532	343,468	340,822	338,784	336,745	288,726	240,074	236,797	3,873,733

NOTE: - Jan - Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Jul - Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

DUKE ENERGY FLORIDA, LLC

SCHEDULE OF CAPITAL INVESTMENT, DEPRECIATION & RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018

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		0	0	0	0	0	0	0	0	0	0	0	0	0
7		<hr/>												
8		0	0	0	0	0	0	0	0	0	0	0	0	0
9		<hr/>												
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0
16		<hr/>												
17		0	0	0	0	0	0	0	0	0	0	0	0	0
18		<hr/>												
19		0	0	0	0	0	0	0	0	0	0	0	0	0
20		<hr/>												
21	RESIDENTIAL ENERGY MANAGEMENT - NON-SMARTGRID RESIDENTIAL PROJECTS (D)													
22		0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	33,526	0	0	0	0	0	0	0	0	0	33,526
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		33,526	33,526	16,763	0	0	0	0	0	0	0	0	0	0
27		<hr/>												
28		559	559	2,183	0	0	0	0	0	0	0	0	0	3,301
29		<hr/>												
30	33,526	33,526	33,526	0	0	0	0	0	0	0	0	0	0	0
31	30,225	30,784	31,343	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	3,301	2,742	2,183	0	0	0	0	0	0	0	0	0	0	0
34		3,022	2,463	1,092	0	0	0	0	0	0	0	0	0	0
35		17	14	6	0	0	0	0	0	0	0	0	0	37
36		<hr/>												
37		21	17	7	0	0	0	0	0	0	0	0	0	45
38		<hr/>												
39		580	576	2,190	0	0	0	0	0	0	0	0	0	3,346
		<hr/>												

NOTE: - Jan - Jun return on average investment is calculated using an annual rate of 6.71% based on May 2017 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Jul - Dec return on average investment is calculated using an annual rate of 6.62% based on May 2018 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

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 2018 - December 2018:

34,900 customers participated in the Home Energy Check Program.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$4,852,689.

Program Progress Summary:

946,505 participants have participated in the Home Energy Check Program since inception. DEF will continue to leverage this program to educate customers about cost-effective energy efficiency measures they can implement and incentives available for home energy improvements for which they may be eligible.

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 2018 - December 2018:

26,201 measures were implemented through this program resulting in a savings of 7.8 Summer MW's, 15.3 Winter MW's and 11.2 GWH's.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$8,267,588.

Program Progress Summary:

1,040,726 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 Title: Neighborhood Energy Saver Program

Program Description: DEF's Neighborhood Energy Saver program is designed to provide energy saving education and assistance to low income customers. This program targets neighborhoods that meet certain income eligibility requirements. DEF installs energy saving measures in approximately 4,500 homes and provides home energy reports to approximately 15,000 customers who have participated in the program. These home energy reports provide information about energy efficiency and continue the engagement with customers around low-cost energy saving measures that can deliver additional energy and bill savings.

Program Accomplishments - January 2018 - December 2018:

Energy efficiency measures were installed on 4,486 homes and home energy reports were provided to 16,420 customers.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$2,333,088.

Program Progress Summary:

Since program inception, DEF has installed energy efficiency measures on 38,002 homes and has provided 47,972 home energy reports to customers.

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 2018 - December 2018:

892 weatherization measures were installed on 204 residential homes.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$259,865.

Program Progress Summary:

25,285 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. This program was recently modified to align the eligibility with that of agencies who provide weatherization services. This change is intended to expand the network of agencies that DEF can partner with.

Program Title: Residential/Commercial Energy Management Program

Program Description: The Residential/Commercial Energy Management Program is a voluntary demand response program that provides monthly bill credits to customers who allow DEF to reduce peak demand by controlling service to selected electric equipment through various devices and communication options installed on the customer's premises. These interruptions are at DEF's option, during specified time periods, and generally coincident with hours of peak demand. Residential customers must have a minimum average monthly usage of 600 kwh's to be eligible to participate in this program.

Program Accomplishments - January 2018 - December 2018:

6,426 residential customers were added to the program in 2018. The commercial program has been closed to new participants since July 2000.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for the residential/commercial energy management program were \$43,980,828.

Program Progress Summary:

There were approximately 435,000 residential participants and 58 commercial participants at year-end 2018.

Program Title: Business Energy Check Program

Program Description: The Business Energy Check Program is a commercial energy audit program that provides commercial customers with an analysis of their energy usage and information about energy-saving practices and cost-effective measures that they can implement at their facilities. The Business Energy Check Program serves as the foundation for the Better Business Program.

Program Accomplishments - January 2018 - December 2018:

668 commercial energy audits were completed in 2018.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$545,085.

Program Progress Summary:

42,862 non-residential customers have participated in the Business Energy Check Program since inception. This program continues to educate and inform commercial customers about cost-effective energy efficiency improvements.

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 2018 - December 2018:

Incentives were provided to customers for 550 commercial energy efficiency measures through this program in 2018.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$3,168,858.

Program Progress Summary:

Incentives have been provided to customers for 21,514 commercial energy efficiency measures through this program since inception.

Program Title: Florida Custom Incentive Program

Program Description: The Florida Custom Incentive Program is designed to encourage commercial and industrial customers to make capital investments for energy efficiency measures which reduce peak demand and provide energy savings. This program provides incentives for individual custom projects which are cost effective, but not otherwise addressed through DEF's prescriptive incentive 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 2018 - December 2018:

Incentives were provided to 29 customers who participated in this program in 2018.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$762,982.

Program Progress Summary:

246 projects have received incentives through this program since inception. This program continues to target customer specific energy efficiency measures not covered through DEF's prescriptive commercial programs.

Program Title: Standby Generation

Program Description: The Standby Generation Program is a demand control program that allows DEF to reduce system demand by dispatching the customer's stand-by generator. This is a voluntary program available to commercial and industrial customers who have on-site generation capability.

Program Accomplishments - January 2018 - December 2018:

DEF added 12 customers to this program in 2018.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$4,619,809.

Program Progress Summary:

There were 178 participants at year-end 2018 providing 82 MW's of load control.

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 2018 - December 2018:

42 accounts were added to the program.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$36,963,144.

Program Progress Summary:

73 customers currently participate in this program providing 294 winter MW's and 310 summer MW's of load control.

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 2018 - December 2018:

No accounts were added to this program.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$2,177,800.

Program Progress Summary:

There were 2 customers and 4 accounts participating in this program in 2018 providing 8.2 MWs of load control.

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 2018 - December 2018:

Several research and development projects continued and/or launched in 2018.

- Continued a project for appliance energy efficiency and demand response using the CTA-2045 modular communications interface including field pilot projects for CTA-2045-enabled retrofit water heater switches, resistance and heat-pump water heaters, pool pumps, HVAC thermostats and electric vehicle chargers (EVSE). The purpose of the project is to understand the potential to utilize the CTA-2045 device to support load management programs. DEF plans to continue to collect and analyze field pilot data for the design of potential cost-effective demand response programs.
- Completed a project with the University of South Florida for commercial building energy efficiency and demand response utilizing control systems that interface with existing customer building management systems. A final report for this project was produced in 2018. Duke is investigating the cost-effectiveness of a potential Custom Program for this technology.
- Completed a 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. Significant improvements in energy efficiency have been documented at these sites. A final report was produced in 2018. Preliminary cost-effectiveness proved to be marginal due to the high initial cost of the Variable Capacity Heat Pump systems.
- Completed the Renewable SEEDS project. This project consisted of two sites with PV systems integrated with energy storage. Both sites have demonstrated smoothing, energy shifting and demand response capabilities. A final report summarizing the results was completed.
- Continued a project with the University of South Florida to leverage customer-sited solar PV and energy storage at the USF 5th Avenue Garage Microgrid. The system provides load smoothing, islanding and demand response. A publicly available dashboard that shows live data, project specific facts and the capability of downloading data for further study is available for the site at <https://dashboards.epri.com/duke-usfsp-parking>. Results of this research may be used for design of a potential cost-effective demand response program.
- Continued the EPRI Solar DPV project for data collection to document customer solar resources with a focus on larger PV arrays with and without energy storage. This project also provides the data stream for the dashboard mentioned above.
- Continued participation in an EPRI project to study the potential of using customer demand response to compensate for variable loads and intermittent renewable generation resources.
- Continued the Energy Management Circuit Breaker Project. This project continued to explore the potential for developing a program for customer circuit breakers that includes communication, metering, and remote operation for potential applications including energy efficiency, demand response, and integration of distributed energy resources. A field pilot program has been installed and operational data is being collected from appliances in 10 customer homes. This data will be used to document the operation of these breakers and assess

the cost-effectiveness for potential EE and DR programs.

- Partnered with EPRI on a project to assess the demand response opportunities for new and existing variable capacity heat pump systems for potential future load management programs. We continued implementation of a pilot to use manufacturer cloud communications to control existing variable-capacity heat pumps. This pilot will assess the viability of communications and impacts of variable capacity heat pumps for demand response and energy efficiency.
- Launched a project to gather robust data about residential customers that drive electric vehicles. The project will determine what type of hardware the customer uses to charge their vehicle, where they do their charging (at home, work or public charging station, in/out of DEF service territory, etc.) and how much power and energy are consumed by EV charging. The project will also assess the capability of EVs to be a demand response resource.
- Launched a project that will provide knowledge in methods to utilize customer Wi-Fi infrastructure to develop a dedicated, durable and secure utility communication channel to connected devices. The project will also provide knowledge on the effectiveness of Wi-Fi signal strength improvement technology. This technology could lead to lower costs and improved cost-effectiveness for existing and future demand response and energy efficiency programs.
- Partnered with EPRI and other research organizations to evaluate energy efficiency, energy storage, and alternative energy / innovative technologies.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$437,800.

Program Progress Summary:

DEF continued to focus on researching and testing new technologies which have the potential to provide new programs and create new customer offerings.

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 (QFs), including those that utilize renewable sources as defined in Section 366.91, Florida Statutes, pursuant to an as-available tariff, standard offer contract, or negotiated contracts.

Under the QF 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 2018 - December 2018:

Avoided cost and interconnection service activity with renewable and distributed resource (DR) developers continued in 2018. DEF provided QF, renewable, or DR related information to many interested parties who are exploring distributed generation options in Florida. Numerous calls and meetings were held with parties interested in the advancement of these distributed resource technologies, their markets and pricing changes. DEF continued evolving its analytics and business processes that are required to support good faith QF purchased power negotiations and interconnection service.

Meetings were held with current QFs to discuss extending existing purchase agreements. The contracts under development are monitored for construction milestones, financing status, permitting, transmission studies and agreements, insurance and performance security.

DEF successfully administered all existing QF purchased power contracts that are in-service for contractual compliance. As of December 31, 2018, DEF had over 6,000 MW of solar projects in its various grid interconnection queues representing over 80 potential projects. The QF purchased power contracts produced more than 3 Million-MWhs for DEF customers during 2018. On April 20, 2018, the Commission approved DEF's petition for approval to terminate a QF PPA Agreement with Florida Power Development, LLC under Docket No. 20170274-EQ which is estimated to save customers between \$38 million and \$59 million in net present value. On October 30, 2018 the Commission approved DEF's petition for approval to terminate a QF Agreement with Ridge Generating Station under Docket No. 20180152-EQ which is estimated to save customers between \$30 million and \$35 million in net present value.

Program Fiscal Expenditures - January 2018 - December 2018:

Expenses for this program were \$1,201,302.

Program Progress Summary:

As of December 31, 2018, DEF administered total firm capacity contracts from in-service QFs of approximately 451 MW and five As-Available energy contracts with active deliveries to DEF. There is a placeholder of 250 MW of executed As-Available energy contracts for future

service. Finally, as of December 31, 2018, there were a total of 5,138 MW of potential QF pre-application interconnection requests completed for state jurisdictional interconnection service and a total of 293 MW of potential QF state jurisdictional interconnection requests in process.

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Capital Structure and Cost Rates
January 2018 - December 2018**

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$4,711,485,475	44.73%	10.50%	4.70%	6.29%
LTD	3,931,532,102	37.33%	5.29%	1.97%	1.97%
STD	102,874,989	0.98%	0.21%	0.00%	0.00%
CD-Active	191,024,808	1.81%	2.26%	0.04%	0.04%
CD-Inactive	1,455,315	0.01%	0.00%	0.00%	0.00%
Deferred Tax	1,772,932,910	16.83%	0.00%	0.00%	0.00%
FAS 109	(180,390,549)	-1.71%	0.00%	0.00%	0.00%
ITC	1,967,889	0.02%	0.00%	0.00%	0.00%
Total	\$10,532,882,939	100%		6.71%	8.31%

Total Debt	2.02%	2.02%
Total Equity	4.70%	6.29%

Used to Calculate January 2018 - June 2018

May 2017 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 20120001-EI, 20120002-EI & 20120007-EI.

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$5,022,459,234	44.29%	10.50%	4.65%	6.23%
LTD	4,497,051,945	39.66%	4.90%	1.94%	1.94%
STD	(193,058,184)	-1.70%	0.88%	-0.01%	-0.01%
CD-Active	179,648,841	1.58%	2.35%	0.04%	0.04%
CD-Inactive	1,597,098	0.01%	0.00%	0.00%	0.00%
Deferred Tax	1,826,908,909	16.11%	0.00%	0.00%	0.00%
ITC	5,239,408	0.05%	7.85%	0.00%	0.00%
Total	\$11,339,847,250	100.00%		6.62%	8.20%

Total Debt	1.97%	1.97%
Total Equity	4.65%	6.23%

Used to Calculate July 2018 - December 2018

May 2018 DEF Surveillance Report capital structure and cost rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Dockets 20120001-EI, 20120002-EI & 20120007-EI.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy & Demand Allocation % by Rate Class
January 2020 - December 2020

FPSC Docket No. 20190002-EG
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)/(8760hrsx(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 (%)
Residential										
RS-1, RST-1, RSL-1, RSL-2, RSS-1 Secondary	0.548	20,570,483	4,275.04	0.9356728	21,984,697	4,568.95	2,502.81	52.312%	60.038%	59.444%
General Service Non-Demand										
GS-1, GST-1										
Secondary	0.576	2,111,508	417.57	0.9356728	2,256,673	446.28	256.91	5.370%	5.864%	5.826%
Primary	0.576	20,599	4.07	0.9735768	21,158	4.18	2.41	0.050%	0.055%	0.055%
Transmission	0.576	2,540	0.50	0.9835768	2,582	0.51	0.29	0.006%	0.007%	0.007%
								5.426%	5.926%	5.887%
General Service										
GS-2 Secondary	1.000	203,276	23.14	0.9356728	217,251	24.73	24.73	0.517%	0.325%	0.340%
General Service Demand										
GSD-1, GSDT-1										
Secondary	0.742	11,560,312	1,772.76	0.9356728	12,355,079	1,894.63	1,406.54	29.399%	24.896%	25.243%
Primary	0.742	2,210,723	339.01	0.9735768	2,270,723	348.21	258.51	5.403%	4.576%	4.639%
Sec Del/Primary Mtr	0.742	27,874	4.27	0.9735768	28,631	4.39	3.26	0.068%	0.058%	0.058%
Transmission	0.742	0	0.00	0.9735768	0	0.00	0.00	0.000%	0.000%	0.000%
SS-1 Primary	0.796	32,819	4.69	0.9735768	33,710	4.82	3.84	0.080%	0.063%	0.065%
Transm Del/ Transm Mtr	0.796	6,147	0.88	0.9835768	6,250	0.89	0.71	0.015%	0.012%	0.012%
Transm Del/ Primary Mtr	0.796	1,889	0.27	0.9735768	1,940	0.28	0.22	0.005%	0.004%	0.004%
								34.970%	29.608%	30.021%
Curtaillable										
CS-1, CST-1, CS-2, CST-2										
Secondary	1.082	0	0.00	0.0000000	0	0.00	0.00	0.000%	0.000%	0.000%
Primary	1.082	70,228	7.39	0.9735768	72,134	7.59	8.21	0.172%	0.100%	0.105%
SS-3 Primary	1.248	52,769	4.81	0.9735768	54,201	4.94	6.17	0.129%	0.065%	0.070%
								0.301%	0.165%	0.175%
Interruptible										
IS-1, IST-1, IS-2, IST-2										
Secondary	0.911	311,838	38.96	0.9356728	333,277	41.64	37.94	0.793%	0.547%	0.566%
Sec Del/Primary Mtr	0.911	5,039	0.63	0.9735768	5,176	0.65	0.59	0.012%	0.008%	0.009%
Primary Del / Primary Mtr	0.911	1,146,956	143.29	0.9735768	1,178,085	147.18	134.12	2.803%	1.934%	2.001%
Primary Del / Transm Mtr	0.911	214	0.03	0.9835768	218	0.03	0.02	0.001%	0.000%	0.000%
Transm Del/ Transm Mtr	0.911	374,835	46.83	0.9835768	381,094	47.61	43.38	0.907%	0.626%	0.647%
Transm Del/ Primary Mtr	0.911	305,362	38.15	0.9735768	313,650	39.18	35.71	0.746%	0.515%	0.533%
SS-2 Primary	0.686	62,736	10.41	0.9735768	64,439	10.70	7.34	0.153%	0.141%	0.142%
Transm Del/ Transm Mtr	0.686	38,936	6.46	0.9835768	39,586	6.57	4.51	0.094%	0.086%	0.087%
Transm Del/ Primary Mtr	0.686	10,244	1.70	0.9735768	10,522	1.75	1.20	0.025%	0.023%	0.023%
								5.535%	3.880%	4.008%
Lighting										
LS-1 (Secondary)	10.191	369,250	4.12	0.9356728	394,635	4.41	44.93	0.939%	0.058%	0.126%
		39,496,576	7,145.00		42,025,709	7,610.12	4,784.35	100.000%	100.000%	100.000%

Notes:

- | | |
|--|---|
| (1) Average 12CP load factor based on load research study filed July 31, 2018 (Rule 25-6-0437 (7)) | (6) Column 3 / Column 4 |
| (2) Projected kWh sales for the period January 2020 to December 2020 | (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 2018 | (9) Column 6 / Total Column 6 |
| (5) Column 2 / Column 4 | (10) Column 8 x 1/13 + Column 9 x 12/13 |

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 13
PARTY: DUKE ENERGY FLORIDA, LLC (DEF)
- (DIRECT)
DESCRIPTION: Lori J. Cross LJC-1P

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Calculation of Energy Conservation Cost Recovery Rate Factors by Rate Class
January 2020 - December 2020

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	52.312%	59.444%	\$ 14,803,062	\$ 54,933,398	\$ 69,736,460	20,570,483				0.339
General Service Non-Demand										
GS-1, GST-1										
Secondary						2,111,508				0.327
Primary						20,393				0.324
Transmission						2,489				0.320
TOTAL GS	5.426%	5.887%	\$ 1,535,482	\$ 5,440,799	\$ 6,976,281	2,134,390				
GS-2 Secondary	0.517%	0.340%	\$ 146,283	\$ 313,983	\$ 460,266	203,276				0.226
General Service Demand										
GSD-1, GSDT-1, SS-1*										
Secondary						11,560,312			1.09	
Primary						2,250,572			1.08	
Transmission						6,024			1.07	
TOTAL GSD	34.970%	30.021%	\$ 9,895,553	\$ 27,742,999	\$ 37,638,552	13,816,908	54.70%	34,601,958		
Curtable										
CS-1, CST-1, CS-2, CST-2, CS-3, CST-3, SS-3*										
Secondary						-			0.46	
Primary						121,767			0.46	
Transmission						-			0.45	
TOTAL CS	0.301%	0.175%	\$ 85,066	\$ 161,858	\$ 246,924	121,767	31.30%	532,920		
Interruptible										
IS-1, IST-1, IS-2, IST-2, SS-2*										
Secondary						311,838			0.95	
Primary						1,515,034			0.94	
Transmission						405,705			0.93	
TOTAL IS	5.535%	4.008%	\$ 1,566,207	\$ 3,703,553	\$ 5,269,760	2,232,577	55.30%	5,530,424		
Lighting										
LS-1 Secondary	0.939%	0.126%	\$ 265,722	\$ 116,169	\$ 381,890	369,250				0.103
	100.000%	100.000%	\$ 28,297,375	\$ 92,412,759	\$ 120,710,133	39,448,650				0.306

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 20 | (8) Column 6 x 1000 / 8,760 / Column 7 x 12 |
| (4) Column 2 x Total Demand Dollars, C-2 Page 1, line 21 | (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	\$43,155,236	40,665,302	1.06
SS-1, 2, 3 - \$/kW-mo			
Monthly - \$1.06/kW * 10%	0.106	0.105	0.104
Daily - \$1.06/kW / 21	0.050	0.050	0.049

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020**

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Duke Energy Florida, LLC
Witness: Lori J. Cross
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Schedule C-2
Page 1 of 6

Line No.	Program Demand (D) or Energy (E)	12 Month Total			
1	Home Energy Check (E)	\$6,160,119			
2	Residential Incentive Program (E)	7,771,262			
3	Business Energy Check (E)	855,568			
4	Better Business (E)	3,137,573			
5	Technology Development (E)	800,000			
6	Florida Custom Incentive (Innovation Incentive) (E)	897,885			
7	Interrupt ble Service (D)	40,787,022			
8	Curtable Service (D)	2,227,041			
9	Energy Management (Residential & Commercial) (D)	42,091,938			
10	Low Income Weatherization Assistance Program (E)	318,990			
11	Standby Generation (D)	5,292,572			
12	Qualifying Facility (E)	1,294,116			
13	Neighborhood Energy Saver (E)	2,562,059			
14	Conservation Program Admin (E)	2,423,494			
15	Conservation Program Admin (D)	1,073,140			
16	Total ECCR Program Costs	<u>\$117,692,778</u>			
17			2019		
18		12 Months	End of Period Net True-Up	Revenue	Total
19	<u>Demand & Energy Summary</u>	<u>Total</u>	<u>(Over)/Under Recovery</u>	<u>Expansion</u>	<u>Recoverable</u>
20	Energy	\$26,221,065	\$2,068,643	\$28,289,708	\$28,297,375
21	Demand	91,471,713	916,009	92,387,722	92,412,759
22	Total Demand & Energy Costs	<u>\$117,692,778</u>	<u>\$2,984,652</u>	<u>\$120,677,430</u>	<u>\$120,710,133</u>

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020

FPSC Docket No. 20190002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
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Line No.	Program Demand (D) or Energy (E)	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Home Energy Check (E)	\$465,272	\$456,201	\$596,947	\$478,841	\$471,837	\$600,865	\$488,372	\$476,583	\$596,292	\$469,359	\$463,433	\$596,115	\$6,160,119
2	Residential Incentive Program (E)	650,093	637,918	650,951	649,294	642,324	650,039	656,399	645,551	648,506	643,636	641,749	654,803	7,771,262
3	Business Energy Check (E)	67,339	67,066	69,061	86,193	67,973	68,133	68,336	68,550	69,347	68,544	86,042	68,982	855,568
4	Better Business (E)	262,760	257,577	262,076	261,186	264,739	260,908	259,928	259,910	266,912	259,739	259,739	262,098	3,137,573
5	Technology Development (E)	40,458	40,458	40,748	92,682	92,682	92,682	40,748	40,748	40,748	92,682	92,682	92,679	800,000
6	Florida Custom Incentive Program (E)	76,413	73,563	74,263	74,172	74,171	74,222	77,121	74,217	74,218	74,171	74,171	77,182	897,885
7	Interrupt ble Service (D)	2,950,396	3,110,880	3,200,203	3,214,699	3,346,949	3,675,921	3,712,107	3,800,134	3,555,732	3,471,190	3,496,118	3,252,691	40,787,022
8	Curtable Service (D)	185,484	185,484	185,646	185,598	185,598	185,598	185,598	185,646	185,598	185,598	185,598	185,598	2,227,041
9	Energy Management (Residential & Commercial) (D)	3,579,507	3,606,133	3,224,377	2,991,710	3,321,116	3,548,749	3,667,350	3,652,895	3,632,085	3,367,146	3,973,737	3,527,134	42,091,938
10	Low Income Weatherization Assistance Program (E)	30,710	24,119	30,897	23,897	26,897	28,897	23,991	28,897	27,897	23,897	24,897	23,991	318,990
11	Standby Generation (D)	453,047	426,313	429,992	465,101	427,210	431,272	471,488	428,704	432,644	462,854	429,949	433,997	5,292,572
12	Qualifying Facility (E)	103,648	107,648	113,171	111,824	110,724	106,724	106,724	108,461	106,724	105,724	106,724	106,024	1,294,116
13	Neighborhood Energy Saver (E)	164,943	183,437	233,179	230,662	225,296	227,846	267,425	246,543	224,022	225,087	177,778	155,839	2,562,059
14	Conservation Program Admin (E)	182,905	177,962	239,819	184,817	181,341	240,094	188,014	181,193	239,462	184,485	182,885	240,517	2,423,494
15	Conservation Program Admin (D)	80,992	78,803	106,193	81,838	80,299	106,315	83,254	80,234	106,035	81,691	80,983	106,502	1,073,140
16	Total ECCR Program Costs	\$9,293,966	\$9,433,561	\$9,457,524	\$9,132,515	\$9,519,158	\$10,298,265	\$10,296,856	\$10,278,267	\$10,206,224	\$9,715,805	\$10,276,485	\$9,784,152	\$117,692,778
17	Demand & Energy Summary													
18	Energy	\$2,044,542	\$2,025,949	\$2,311,112	\$2,193,569	\$2,157,986	\$2,350,410	\$2,177,059	\$2,130,654	\$2,294,130	\$2,147,325	\$2,110,101	\$2,278,230	\$26,221,065
19	Demand	7,249,425	7,407,612	7,146,412	6,938,946	7,361,172	7,947,855	8,119,797	8,147,613	7,912,094	7,568,479	8,166,384	7,505,922	91,471,713
20	Total Demand & Energy Costs	\$9,293,966	\$9,433,561	\$9,457,524	\$9,132,515	\$9,519,158	\$10,298,265	\$10,296,856	\$10,278,267	\$10,206,224	\$9,715,805	\$10,276,485	\$9,784,152	\$117,692,778

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Estimated Conservation Program Costs
January 2020 - December 2020

FPSC Docket No. 20190002-EG
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	Home Energy Check (E)	0	2,841,700	151,217	1,499,345	920,619	587,189	84,256	75,792	0	6,160,119
2	Residential Incentive Program (E)	0	2,252,253	20,438	454,626	565,041	4,342,558	89,402	46,945	0	7,771,262
3	Business Energy Check (E)	2,937	485,617	5,440	243,792	55,053	35,000	5,565	22,164	0	855,568
4	Better Business (E)	0	1,067,846	10,496	305,800	75,644	1,620,000	17,957	39,830	0	\$3,137,573
5	Technology Development (E)	0	160,081	200,000	414,915	0	0	0	25,004	0	800,000
6	Florida Custom Incentive Program (E)	0	268,999	4,733	217,596	48,135	300,000	4,671	53,751	0	897,885
7	Interruptible Service (D)	213,417	149,511	12,000	0	0	40,396,051	9,600	6,443	0	40,787,022
8	Curtable Service (D)	0	39,652	0	0	0	2,186,856	0	533	0	2,227,041
9	Energy Management (Residential & Commercial) (D)	12,566,945	1,462,849	16,165	1,600,920	370,562	25,930,906	15,393	128,197	0	42,091,938
10	Low Income Weatherization Assistance Program (E)	0	151,273	0	2,100	32,500	122,220	500	10,397	0	318,990
11	Standby Generation (D)	66,859	284,985	14,400	0	0	4,903,152	15,189	7,987	0	5,292,572
12	Qualifying Facility (E)	0	1,179,592	2,500	80,000	0	0	4,000	28,025	0	1,294,116
13	Neighborhood Energy Saver (E)	0	208,068	0	290,418	80,664	1,949,033	2,820	31,057	0	2,562,059
14	Conservation Program Admin (E)	0	1,724,350	47,030	388,024	0	0	2,396	261,694	0	2,423,494
15	Conservation Program Admin (D)	0	763,554	20,825	171,820	0	0	1,061	115,880	0	1,073,140
16	Total ECCR Program Costs	\$12,850,158	\$13,040,328	\$505,244	\$5,669,354	\$2,148,218	\$82,372,966	\$252,810	\$853,698	\$0	\$117,692,778
17	Demand & Energy Summary										
18	Energy	\$2,937	\$10,339,778	\$441,854	\$3,896,615	\$1,777,657	\$8,956,000	\$211,567	\$594,658	\$0	\$26,221,065
19	Demand	12,847,221	2,700,550	63,391	1,772,740	370,562	73,416,966	41,243	259,040	0	91,471,713
20	Total Demand & Energy Costs	\$12,850,158	\$13,040,328	\$505,244	\$5,669,354	\$2,148,218	\$82,372,966	\$252,810	\$853,698	\$0	\$117,692,778

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2020 - December 2020

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Home Energy Check (E)														
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	Business Energy Check (E)														
18	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000
19	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Depreciation Base		0	0	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000
21															
22	Depreciation Expense		0	0	0	0	0	0	0	417	417	417	417	417	2,085
23															
24	Cumulative Investment	0	0	0	0	0	0	0	25,000	25,000	25,000	25,000	25,000	25,000	25,000
25	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	417	834	1,251	1,668	2,085	2,085
26	Net Investment	0	0	0	0	0	0	0	25,000	24,583	24,166	23,749	23,332	22,915	22,915
27	Average Investment		0	0	0	0	0	0	12,500	24,792	24,375	23,958	23,541	23,124	22,915
28	Return on Average Investment		0	0	0	0	0	0	65	130	127	125	123	121	691
29															
30	Return Requirements		0	0	0	0	0	0	80	160	157	154	152	149	852
31															
32	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$80	\$577	\$574	\$571	\$569	\$566	\$2,937
33	Interruptible Service (D)														
34	Investments		\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$72,000	\$68,000	\$860,000
35	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
36	Depreciation Base		396,373	468,373	540,373	612,373	684,373	756,373	828,373	900,373	972,373	1,044,373	1,116,373	1,188,373	1,256,373
37															
38	Depreciation Expense		6,606	7,806	9,006	10,206	11,406	12,606	13,806	15,007	16,207	17,407	18,607	19,807	158,477
39															
40	Cumulative Investment	396,373	468,373	540,373	612,373	684,373	756,373	828,373	900,373	972,373	1,044,373	1,116,373	1,188,373	1,256,373	1,256,373
41	Less: Accumulated Depreciation	52,976	59,582	67,388	76,394	86,600	98,006	110,612	124,418	139,425	155,632	173,039	191,646	211,453	211,453
42	Net Investment	343,397	408,791	472,985	535,979	597,773	658,367	717,761	775,955	832,948	888,741	943,334	996,727	1,044,920	1,044,920
43	Average Investment		376,094	440,888	504,482	566,876	628,070	688,064	746,858	804,452	860,845	916,038	970,031	1,020,824	1,020,824
44	Return on Average Investment		1,966	2,305	2,637	2,963	3,283	3,597	3,904	4,205	4,500	4,788	5,071	5,337	44,556
45															
46	Return Requirements		2,424	2,842	3,251	3,654	4,048	4,435	4,814	5,185	5,549	5,904	6,253	6,581	54,940
47															
48	Program Total		\$9,030	\$10,648	\$12,257	\$13,860	\$15,454	\$17,041	\$18,620	\$20,192	\$21,756	\$23,311	\$24,860	\$26,388	\$213,417
49	Standby Generation (D)														
50	Investments		\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$21,056	\$252,675
51	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
52	Depreciation Base		132,593	153,649	174,705	195,761	216,818	237,874	258,930	279,986	301,043	322,099	343,155	364,211	385,268
53															
54	Depreciation Expense		2,210	2,561	2,912	3,263	3,614	3,965	4,316	4,667	5,017	5,368	5,719	6,070	49,682
55															
56	Cumulative Investment	132,593	153,649	174,705	195,761	216,818	237,874	258,930	279,986	301,043	322,099	343,155	364,211	385,268	385,268
57	Less: Accumulated Depreciation	16,200	18,410	20,971	23,883	27,146	30,760	34,725	39,041	43,708	48,725	54,093	59,812	65,882	65,882
58	Net Investment	116,393	135,239	153,734	171,879	189,672	207,114	224,205	240,946	257,335	273,374	289,062	304,400	319,386	319,386
59	Average Investment		125,816	144,487	162,807	180,775	198,393	215,660	232,576	249,140	265,355	281,218	296,731	311,893	311,893
60	Return on Average Investment		658	756	851	945	1,037	1,127	1,216	1,302	1,387	1,470	1,551	1,630	13,930
61															
62	Return Requirements		811	932	1,049	1,165	1,279	1,390	1,499	1,606	1,710	1,813	1,913	2,010	17,177
63															
64	Program Total		\$3,021	\$3,493	\$3,961	\$4,428	\$4,893	\$5,355	\$5,815	\$6,273	\$6,727	\$7,181	\$7,632	\$8,080	\$66,859

Notes:
- Return on average investment is calculated using an annual rate of 6.27% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2020 - December 2020

FPSC Docket No. 20190002-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)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Residential Energy Management - Summary (Itemized Below)														
2	Expenditures Booked Directly to Plant		\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$75,166	\$901,992
3	Retirements		39,150	10,620	17,159	91,469	115,047	3,325	2,407,052	1,591,458	412,325	437,122	2,613,171	988,718	8,726,617
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		60,488,859	60,539,140	60,600,417	60,621,269	60,593,176	60,609,156	59,479,133	57,555,044	56,628,319	56,278,761	54,828,781	53,103,003	
7															
8	Depreciation Expense		954,397	955,235	956,256	956,603	956,409	956,948	943,497	919,624	907,099	901,186	882,299	859,915	11,149,468
9															
10	Cumulative Plant Investment	60,508,434	60,544,450	60,608,996	60,667,003	60,650,700	60,610,819	60,682,660	58,350,773	56,834,481	56,497,322	56,135,366	53,597,361	52,683,809	52,683,809
11	Less: Accumulated Depreciation	36,957,769	37,873,016	38,817,631	39,756,728	40,621,862	41,463,223	42,416,846	40,953,291	40,281,457	40,776,231	41,240,295	39,509,423	39,380,620	39,380,620
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	23,550,665	22,671,434	21,791,365	20,910,275	20,028,838	19,147,595	18,265,813	17,397,482	16,553,024	15,721,091	14,895,071	14,087,938	13,303,189	13,303,189
14	Average Investment		23,111,050	22,231,400	21,350,820	20,469,557	19,588,217	18,706,704	17,831,648	16,975,253	16,137,058	15,308,081	14,491,505	13,695,564	
15	Return on Average Investment		120,818	116,220	111,616	107,009	102,402	97,792	93,218	88,741	84,361	80,026	75,758	71,597	1,149,558
16			0	0	0	0	0	0	0	0	0	0	0	0	0
17	Return Requirements		148,976	143,307	137,630	131,949	126,268	120,584	114,943	109,423	104,022	98,677	93,414	88,284	1,417,477
18															
19	Program Total		\$1,103,373	\$1,098,542	\$1,093,886	\$1,088,552	\$1,082,677	\$1,077,532	\$1,058,440	\$1,029,047	\$1,011,121	\$999,863	\$975,713	\$948,199	\$12,566,945
20	Residential Energy Management - NGDR Hardware for ODS, LMS, APPDEV. Also includes NGDR TELECOM. (D)														
21	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	Retirements		0	0	0	0	114,564	0	2,260,944	1,181,478	45,337	(81,649)	2,298,780	380,458	6,199,911
23	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
24	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
25	Depreciation Base		10,587,391	10,587,391	10,587,391	10,587,391	10,530,109	10,472,827	9,342,355	7,621,144	7,007,737	7,025,893	5,917,328	4,577,709	
26															
27	Depreciation Expense		122,689	122,689	122,689	122,689	122,007	121,325	107,867	87,376	80,073	80,289	67,092	51,144	1,207,929
28															
29	Cumulative Plant Investment	10,587,391	10,587,391	10,587,391	10,587,391	10,587,391	10,472,827	10,472,827	8,211,883	7,030,405	6,985,069	7,066,718	4,767,938	4,387,480	4,387,480
30	Less: Accumulated Depreciation	8,880,970	9,003,659	9,126,348	9,249,037	9,371,726	9,379,169	9,500,494	7,347,417	6,253,315	6,288,052	6,449,990	4,218,302	3,888,988	3,888,988
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	1,706,421	1,583,732	1,461,043	1,338,354	1,215,665	1,093,658	972,333	864,466	777,090	697,017	616,728	549,636	498,492	498,492
33	Average Investment		1,645,077	1,522,388	1,399,699	1,277,010	1,154,662	1,032,996	918,400	820,778	737,054	656,873	583,182	524,064	
34	Return on Average Investment		8,600	7,959	7,317	6,676	6,036	5,400	4,801	4,291	3,853	3,434	3,049	2,740	64,156
35															
36	Return Requirements		10,604	9,814	9,022	8,232	7,443	6,659	5,920	5,291	4,751	4,234	3,760	3,379	79,109
37															
38	Program Total		\$133,293	\$132,503	\$131,711	\$130,921	\$129,450	\$127,984	\$113,787	\$92,667	\$84,824	\$84,523	\$70,852	\$54,523	\$1,287,038
39	Residential Energy Management - NGDR Software for ODS, LMS, APPDEV (D)														
40	Expenditures Booked Directly to Plant		\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$41,166	\$493,992
41	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
42	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
43	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
44	Depreciation Base		11,267,418	11,308,584	11,349,750	11,390,916	11,432,082	11,473,248	11,514,414	11,555,580	11,596,746	11,637,912	11,679,078	11,720,244	
45															
46	Depreciation Expense		187,794	188,480	189,166	189,852	190,539	191,225	191,911	192,597	193,283	193,969	194,655	195,341	2,298,812
47															
48	Cumulative Plant Investment	11,267,418	11,308,584	11,349,750	11,390,916	11,432,082	11,473,248	11,514,414	11,555,580	11,596,746	11,637,912	11,679,078	11,720,244	11,761,410	11,761,410
49	Less: Accumulated Depreciation	8,743,669	8,931,463	9,119,943	9,309,109	9,498,961	9,689,500	9,880,725	10,072,636	10,265,233	10,458,516	10,652,485	10,847,140	11,042,481	11,042,481
50	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
51	Net Plant Investment	2,523,748	2,377,120	2,229,806	2,081,806	1,933,120	1,783,747	1,633,688	1,482,943	1,331,512	1,179,395	1,026,592	873,103	718,928	718,928
52	Average Investment		2,450,434	2,303,463	2,155,806	2,007,463	1,858,434	1,708,718	1,558,316	1,407,228	1,255,454	1,102,994	949,848	796,016	
53	Return on Average Investment		12,810	12,042	11,270	10,494	9,716	8,932	8,146	7,356	6,564	5,766	4,966	4,162	102,224
54															
55	Return Requirements		15,796	14,849	13,897	12,940	11,980	11,014	10,044	9,070	8,094	7,110	6,123	5,132	126,049
56															
57	Program Total		\$203,590	\$203,329	\$203,063	\$202,792	\$202,519	\$202,239	\$201,955	\$201,667	\$201,377	\$201,079	\$200,778	\$200,473	\$2,424,861

Notes:
- Return on average investment is calculated using an annual rate of 6.27% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EI.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January 2020- December 2020

FPSC Docket No. 20190002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
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Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Est Jan-20	Est Feb-20	Est Mar-20	Est Apr-20	Est May-20	Est Jun-20	Est Jul-20	Est Aug-20	Est Sep-20	Est Oct-20	Est Nov-20	Est Dec-20	Total
1	Residential Energy Management - Load Management Switches (9080120) (D)														
2	Expenditures Booked Directly to Plant		\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$34,000	\$408,000
3	Retirements		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
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	Amortization Base		38,634,050	38,643,165	38,663,276	38,642,962	38,630,985	38,663,081	38,622,364	38,378,320	38,023,836	37,614,956	37,232,375	36,805,050	
7															
8	Amortization Expense		643,914	644,066	644,401	644,062	643,863	644,398	643,719	639,651	633,743	626,928	620,552	613,430	7,642,727
9															
10	Cumulative Plant Investment	38,653,625	38,648,475	38,671,855	38,688,696	38,631,227	38,664,744	38,695,419	38,583,310	38,207,330	37,874,342	37,389,571	37,109,180	36,534,920	36,534,920
11	Less: Accumulated Depreciation	19,333,130	19,937,894	20,571,340	21,198,582	21,751,174	22,394,554	23,035,627	23,533,237	23,762,908	24,029,663	24,137,820	24,443,981	24,449,151	24,449,151
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	19,320,496	18,710,582	18,100,516	17,490,115	16,880,053	16,270,190	15,659,792	15,050,073	14,444,422	13,844,679	13,251,751	12,665,199	12,085,769	12,085,769
14	Average Investment		19,015,539	18,405,549	17,795,315	17,185,084	16,575,121	15,964,991	15,354,932	14,747,247	14,144,550	13,548,215	12,958,475	12,375,484	
15	Return on Average Investment		99,408	96,219	93,029	89,839	86,650	83,460	80,271	77,094	73,944	70,826	67,743	64,695	983,178
16															
17	Return Requirements		122,576	118,644	114,711	110,777	106,845	102,911	98,979	95,062	91,177	87,333	83,531	79,773	1,212,319
18															
19	Program Total		\$766,490	\$762,710	\$759,112	\$754,839	\$750,708	\$747,309	\$742,698	\$734,713	\$724,920	\$714,261	\$704,083	\$693,203	\$8,855,046
20	Demand & Energy Summary														
21	Energy		\$0	\$0	\$0	\$0	\$0	\$0	\$80	\$577	\$574	\$571	\$569	\$566	\$2,937
22	Demand		1,115,424	1,112,683	1,110,104	1,106,840	1,103,024	1,099,928	1,082,875	1,055,512	1,039,604	1,030,355	1,008,205	982,667	\$12,847,221
23	Total Depreciation & Return		\$1,115,424	\$1,112,683	\$1,110,104	\$1,106,840	\$1,103,024	\$1,099,928	\$1,082,955	\$1,056,089	\$1,040,178	\$1,030,926	\$1,008,774	\$983,233	\$12,850,158

Notes:
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- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Program Costs
 January - June 2019 Actuals
 July - December 2019 Estimates

Line No.	Program Demand (D) or Energy (E)	Depreciation		Operating & Maintenance Costs						Program Revenues (Credits)	Total
		Amortization & Return	Payroll & Benefits	Vehicles	Outside Services	Materials & Supplies	Advertising	Incentives	Other		
1	<u>Home Energy Check (E)</u>										
2	A. Actual	\$7,085	\$1,357,348	\$45,679	\$259,773	\$21,914	\$350,769	\$277,851	\$34,439	\$0	\$2,354,858
3	B. Estimated	4,020	1,380,000	46,500	526,000	18,000	210,000	185,000	29,000	0	2,398,520
4											
5	C. Total	\$11,105	\$2,737,348	\$92,179	\$785,773	\$39,914	\$560,769	\$462,851	\$63,439	\$0	\$4,753,378
6											
7	<u>Residential Incentive Program (E)</u>										
8	A. Actual	\$0	\$1,009,912	\$33,511	\$114,135	\$10,548	\$109,278	\$2,573,887	\$14,376	\$0	\$3,865,647
9	B. Estimated	0	1,020,000	36,000	105,000	3,400	60,000	2,463,000	15,000	0	3,702,400
10											
11	C. Total	\$0	\$2,029,912	\$69,511	\$219,135	\$13,948	\$169,278	\$5,036,887	\$29,376	\$0	\$7,568,047
12											
13	<u>Business Energy Check (E)</u>										
14	A. Actual	\$0	\$210,534	\$3,597	\$53,588	(\$22,386)	\$62,645	\$5,739	\$11,880	\$0	\$325,597
15	B. Estimated	0	222,000	4,800	243,100	28,900	14,000	12,000	12,000	0	536,800
16											
17	C. Total	\$0	\$432,534	\$8,397	\$296,688	\$6,514	\$76,645	\$17,739	\$23,880	\$0	\$862,397
18											
19	<u>Better Business (E)</u>										
20	A. Actual	\$0	\$547,772	\$4,363	\$71,442	(\$22,683)	\$77,165	\$843,148	\$22,928	\$0	\$1,544,135
21	B. Estimated	0	540,000	7,200	60,000	25,560	14,000	950,000	15,000	0	1,611,760
22											
23	C. Total	\$0	\$1,087,772	\$11,563	\$131,442	\$2,877	\$91,165	\$1,793,148	\$37,928	\$0	\$3,155,895
24											
25	<u>Technology Development (E)</u>										
26	A. Actual	\$0	\$99,965	\$0	\$30,960	\$643	\$0	\$0	\$6,700	\$0	\$138,268
27	B. Estimated	0	114,924	0	204,857	3,000	0	0	6,000	0	328,781
28											
29	C. Total	\$0	\$214,889	\$0	\$235,817	\$3,643	\$0	\$0	\$12,700	\$0	\$467,049
30											
31	<u>Florida Custom Incentive Program (E)</u>										
32	A. Actual	\$0	\$149,808	\$293	\$107,059	\$19	\$64,996	\$59,770	\$22,831	\$0	\$404,776
33	B. Estimated	0	150,000	600	102,000	3,000	12,000	245,000	27,000	0	539,600
34											
35	C. Total	\$0	\$299,808	\$893	\$209,059	\$3,019	\$76,996	\$304,770	\$49,831	\$0	\$944,376
36											
37	<u>Interruptible Service (D)</u>										
38	A. Actual	\$12,490	\$91,890	\$174	\$363	\$192	\$0	\$17,566,082	\$1,151	\$0	\$17,672,342
39	B. Estimated	18,538	113,812	774	0	0	0	19,790,500	2,970	0	19,926,594
40											
41	C. Total	\$31,028	\$205,702	\$948	\$363	\$192	\$0	\$37,356,582	\$4,121	\$0	\$37,598,936

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Program Costs
January - June 2019 Actuals
July - December 2019 Estimates**

**FPSC Docket No. 20190002-EG
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Witness: Lori J. Cross
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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>Curtable Service (D)</u>										
2	A. Actual	\$0	\$19,607	\$0	\$0	\$0	\$0	\$1,201,824	\$0	\$0	\$1,221,430
3	B. Estimated	0	19,200	0	0	0	0	1,093,428	0	0	1,112,628
4											
5	C. Total	\$0	\$38,807	\$0	\$0	\$0	\$0	\$2,295,252	\$0	\$0	\$2,334,058
6											
7	<u>Neighborhood Energy Saver (E)</u>										
8	A. Actual	\$0	\$107,840	\$246	\$133,245	\$294	\$34,891	\$993,593	\$12,343	\$0	\$1,282,452
9	B. Estimated	0	101,405	300	130,758	0	41,861	928,059	5,400	0	1,207,783
10											
11	C. Total	\$0	\$209,244	\$546	\$264,003	\$294	\$76,752	\$1,921,653	\$17,743	\$0	\$2,490,235
12											
13	<u>Energy Management (Residential & Commercial) (D)</u>										
14	A. Actual	\$6,404,184	\$950,519	\$24,977	\$820,538	\$268,171	\$444,665	\$12,506,789	\$64,135	\$0	\$21,483,978
15	B. Estimated	6,583,311	950,268	24,354	891,606	8,850	238,100	12,690,441	59,688	0	21,446,618
16											
17	C. Total	\$12,987,495	\$1,900,787	\$49,331	\$1,712,144	\$277,021	\$682,765	\$25,197,230	\$123,823	\$0	\$42,930,597
18											
19	<u>Low Income Weatherization Assistance Program (E)</u>										
20	A. Actual	\$0	\$72,285	\$8	\$612	\$0	\$11,000	\$71,620	\$3,497	\$0	\$159,023
21	B. Estimated	0	75,335	0	1,050	0	19,000	77,883	4,248	0	177,516
22											
23	C. Total	\$0	\$147,620	\$8	\$1,662	\$0	\$30,000	\$149,503	\$7,745	\$0	\$336,539
24											
25	<u>Standby Generation (D)</u>										
26	A. Actual	\$15,020	\$167,015	\$3,284	\$1,517	\$8,856	\$0	\$2,232,539	\$885	\$0	\$2,429,118
27	B. Estimated	18,539	178,296	3,621	8,260	105,000	0	2,427,190	3,097	0	2,744,004
28											
29	C. Total	\$33,559	\$345,312	\$6,905	\$9,777	\$113,856	\$0	\$4,659,729	\$3,982	\$0	\$5,173,121
30											
31	<u>Qualifying Facility (E)</u>										
32	A. Actual	\$0	\$581,329	\$899	\$391	\$0	\$0	\$0	\$8,994	\$0	\$591,612
33	B. Estimated	0	589,434	1,900	493,000	900	0	0	9,000	0	1,094,234
34											
35	C. Total	\$0	\$1,170,763	\$2,799	\$493,391	\$900	\$0	\$0	\$17,994	\$0	\$1,685,846
36											
37	<u>Conservation Program Admin (E)</u>										
38	A. Actual	\$0	\$1,182,161	\$578	\$376,773	\$23,070	\$0	\$0	\$154,816	\$0	\$1,737,397
39	B. Estimated	0	1,200,000	726	276,000	15,600	0	0	162,000	0	1,654,326
40											
41	C. Total	\$0	\$2,382,161	\$1,304	\$652,773	\$38,670	\$0	\$0	\$316,816	\$0	\$3,391,723
42	ECCR Program Costs	\$13,063,187	\$13,202,658	\$244,383	\$5,012,028	\$500,849	\$1,764,372	\$79,195,344	\$709,378	\$0	\$113,692,199

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Schedule of Capital Investment, Depreciation & Return
 January - June 2019 Actuals
 July - December 2019 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	Home Energy Check (E)														
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	82,462	0	0	82,462
4	Depreciation Base		82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	41,231	0	0	
5															
6	Depreciation Expense		982	982	982	982	982	982	982	982	982	491	0	0	9,329
7															
8	Cumulative Investment	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	82,462	0	0	0	0
9	Less: Accumulated Depreciation	49,114	50,096	51,078	52,060	53,042	54,024	55,006	55,988	56,970	57,952	0	0	0	0
10	Net Investment	33,348	32,366	31,384	30,402	29,420	28,438	27,456	26,474	25,492	24,510	0	0	0	0
11	Average Investment		32,857	31,875	30,893	29,911	28,929	27,947	26,965	25,983	25,001	12,255	0	0	
12	Return on Average Investment		175	169	165	159	154	149	141	136	131	64	0	0	1,443
13															
14	Return Requirements		215	208	203	195	189	183	174	168	162	79	0	0	1,776
15															
16	Program Total		\$1,197	\$1,190	\$1,185	\$1,177	\$1,171	\$1,165	\$1,156	\$1,150	\$1,144	\$570	\$0	\$0	\$11,105
17	Business Energy Check (E)														
18	Investments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
20	Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0
21															
22	Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0
23															
24	Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Net Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
28	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
29															
30	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
31															
32	Program Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
33	Standby Generation (D)														
34	Investments		\$0	\$132,593	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$132,593
35	Retirements		0	35,171	0	0	0	0	0	0	12,363	0	5	0	47,538
36	Depreciation Base		47,538	29,952	144,960	144,960	144,960	144,960	144,960	144,960	138,778	132,597	132,595	132,593	
37															
38	Depreciation Expense		792	499	2,416	2,416	2,416	2,416	2,416	2,416	2,313	2,210	2,210	2,210	24,730
39															
40	Cumulative Investment	47,538	47,538	144,960	144,960	144,960	144,960	144,960	144,960	144,960	132,597	132,597	132,593	132,593	132,593
41	Less: Accumulated Depreciation	39,008	39,800	5,128	7,544	9,960	12,376	14,792	17,208	19,624	22,040	24,456	26,872	29,288	31,704
42	Net Investment	8,530	7,738	139,832	137,416	135,000	132,584	130,168	127,752	125,336	123,023	120,813	118,603	116,393	116,393
43	Average Investment		8,134	73,785	138,624	136,208	133,792	131,376	128,960	126,544	124,179	121,918	119,708	117,498	
44	Return on Average Investment		43	392	738	724	711	699	674	661	650	638	626	615	7,171
45															
46	Return Requirements		53	482	907	890	874	859	831	815	801	787	772	758	8,829
47															
48	Program Total		\$845	\$981	\$3,323	\$3,306	\$3,290	\$3,275	\$3,247	\$3,231	\$3,114	\$2,997	\$2,982	\$2,968	\$33,559

Notes:

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- Jul - Dec return on average investment is calculated using an annual rate of 6.27% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.
- The WACC used for 2019 has been adjusted in compliance with paragraph 19 of DEF's Settlement Agreement

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2019 Actuals
July - December 2019 Estimates

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	<u>Interruptible Service (D)</u>														
2	Investments		\$0	\$59,853	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$140,000	\$140,000	\$339,853
3	Retirements		0	7,153	0	0	0	0	0	0	0	0	0	0	7,153
4	Depreciation Base		63,673	60,097	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	256,373	
5															
6	Depreciation Expense		1,061	1,002	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	1,940	4,273	23,796
7															
8	Cumulative Investment	63,673	63,673	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	116,373	256,373	396,373	396,373
9	Less: Accumulated Depreciation	36,333	37,394	31,243	33,183	35,123	37,063	39,003	40,943	42,883	44,823	46,763	48,703	52,976	52,976
10	Net Investment	27,340	26,279	85,130	83,190	81,250	79,310	77,370	75,430	73,490	71,550	69,610	207,670	343,397	343,397
11	Average Investment		26,810	55,705	84,160	82,220	80,280	78,340	76,400	74,460	72,520	70,580	138,640	275,534	5,872
12	Return on Average Investment		143	297	448	438	427	417	399	389	379	369	725	1,441	
13															
14	Return Requirements		176	365	551	538	525	512	492	480	467	455	894	1,777	7,232
15															
16	Program Total		\$1,237	\$1,367	\$2,491	\$2,478	\$2,465	\$2,452	\$2,432	\$2,420	\$2,407	\$2,395	\$2,834	\$6,050	\$31,028
17	<u>Residential Energy Management - Summary (Itemized below) (D)</u>														
18	Expenditures Booked Directly to Plant		\$178,951	\$622,915	\$525,268	\$794,814	\$1,038,044	\$517,329	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$5,987,320
19	Retirements		\$71,164	\$158,154	\$479,651	\$460,980	(\$193,898)	\$55,407	\$21,054	\$89,890	\$24,267	\$126,457	\$24,668	\$19,943	1,337,737
20	Investments Booked to CWIP		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
21	Closings to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
22	Depreciation Base		\$55,823,269	\$55,887,560	\$56,191,572	\$56,246,525	\$56,907,798	\$58,015,088	\$58,494,186	\$58,823,714	\$59,151,635	\$59,461,272	\$59,770,711	\$60,133,405	
23															
24	Depreciation Expense		\$876,635	\$877,707	\$882,774	\$883,690	\$894,712	\$913,166	\$921,151	\$926,643	\$932,109	\$937,270	\$942,427	\$948,472	10,936,756
25															
26	Cumulative Plant Investment	55,858,851	\$55,966,638	\$56,431,398	\$56,477,016	\$56,810,849	\$58,042,791	\$58,504,713	\$58,868,658	\$59,163,768	\$59,524,501	\$59,783,044	\$60,143,376	\$60,508,434	60,508,434
27	Less: Accumulated Depreciation	27,358,750	\$28,164,221	\$28,883,774	\$29,286,897	\$29,709,606	\$30,798,216	\$31,655,976	\$32,556,072	\$33,392,825	\$34,300,667	\$35,111,480	\$36,029,239	\$36,957,769	36,957,769
28	Cumulative CWIP Investment	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
29	Net Plant Investment	28,500,101	27,802,417	27,547,625	27,190,119	27,101,243	27,244,574	26,848,737	26,312,586	25,770,943	25,223,834	24,671,564	24,114,137	23,550,665	23,550,665
30	Average Investment		28,151,259	27,675,021	27,368,872	27,145,681	27,172,909	27,046,656	26,580,662	26,041,765	25,497,389	24,947,699	24,392,851	23,832,401	
31	Return on Average Investment		149,739	147,206	145,578	144,389	144,535	143,864	138,955	136,137	133,292	130,419	127,517	124,588	1,666,219
32															
33	Return Requirements		149,739	147,206	145,578	144,389	144,535	143,864	138,955	136,137	133,292	130,419	127,517	124,588	1,666,219
34															
35	Program Total		\$1,060,620	\$1,058,580	\$1,061,647	\$1,061,102	\$1,072,303	\$1,089,932	\$1,092,490	\$1,094,509	\$1,096,467	\$1,098,085	\$1,099,663	\$1,102,097	\$12,987,495
36	<u>Residential Energy Management - SmartGrid Hardware for ODS, LMS, APPDEV & TELECOM (D)</u>														
37	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
39	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
40	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
41	Depreciation Base		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	
42															
43	Depreciation Expense		122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	122,689	1,472,268
44															
45	Cumulative Plant Investment	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	10,587,391
46	Less: Accumulated Depreciation	7,408,702	7,531,391	7,654,080	7,776,769	7,899,458	8,022,147	8,144,836	8,267,525	8,390,214	8,512,903	8,635,592	8,758,281	8,880,970	8,880,970
47	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Net Plant Investment	3,178,689	3,056,000	2,933,311	2,810,622	2,687,933	2,565,244	2,442,555	2,319,866	2,197,177	2,074,488	1,951,799	1,829,110	1,706,421	1,706,421
49	Average Investment		3,117,345	2,994,656	2,871,967	2,749,278	2,626,589	2,503,900	2,381,211	2,258,522	2,135,833	2,013,144	1,890,455	1,767,766	
50	Return on Average Investment		16,581	15,929	15,276	14,623	13,971	13,318	12,449	11,806	11,165	10,524	9,882	9,241	154,765
51															
52	Return Requirements		20,373	19,572	18,770	17,967	17,166	16,364	15,350	14,558	13,767	12,977	12,185	11,395	190,444
53															
54	Program Total		\$143,062	\$142,261	\$141,459	\$140,656	\$139,855	\$139,053	\$138,039	\$137,247	\$136,456	\$135,666	\$134,874	\$134,084	\$1,662,712

Notes:

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- Jul - Dec return on average investment is calculated using an annual rate of 6.27% based on May 2019 DEF Surveillance Report capital structure & costs rates. See Stipulation & Settlement Agreement in Order No. PSC-12-0425-PAA-EU, Docket 20120002-EG.
- Return Requirements are calculated using a combined statutory tax rate of 25.345%.
- The WACC used for 2019 has been adjusted in compliance with paragraph 19 of DEF's Settlement Agreement

Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Schedule of Capital Investment, Depreciation & Return
January - June 2019 Actuals
July - December 2019 Estimates

FPSC Docket No. 20190002-EG
Duke Energy Florida, LLC
Witness: Lori J. Cross
Exhibit No. ____ (LJC-1P)
Schedule C-3
Page 5 of 7

Line No.	Program Demand (D) or Energy (E)	Beginning Balance	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1	Residential Energy Management - SmartGrid Software for ODS, LMS, APPDEV (D)														
2	Expenditures Booked Directly to Plant		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Retirements		49,149	119,856	459,532	426,261	(238,790)	0	0	0	0	53,063	0	0	869,071
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		12,111,914	12,027,411	11,737,717	11,294,821	11,201,086	11,320,481	11,320,481	11,320,481	11,320,481	11,293,949	11,267,418	11,267,418	
7															
8	Depreciation Expense		201,869	200,461	195,633	188,251	186,689	188,678	188,678	188,678	188,678	188,236	187,794	187,794	2,291,439
9															
10	Cumulative Plant Investment	12,136,489	12,087,340	11,967,483	11,507,952	11,081,691	11,320,481	11,320,481	11,320,481	11,320,481	11,320,481	11,267,418	11,267,418	11,267,418	11,267,418
11	Less: Accumulated Depreciation	7,321,301	7,474,021	7,554,626	7,290,727	7,052,717	7,478,196	7,666,874	7,855,552	8,044,230	8,232,908	8,368,081	8,555,875	8,743,669	8,743,669
12	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Net Plant Investment	4,815,187	4,613,318	4,412,857	4,217,224	4,028,973	3,842,284	3,653,606	3,464,928	3,276,250	3,087,572	2,899,336	2,711,542	2,523,748	2,523,748
14	Average Investment		4,714,253	4,513,088	4,315,041	4,123,099	3,935,629	3,747,945	3,559,267	3,370,589	3,181,911	2,993,454	2,805,439	2,617,645	
15	Return on Average Investment		25,076	24,006	22,952	21,931	20,934	19,936	18,606	17,620	16,634	15,649	14,666	13,684	231,694
16															
17	Return Requirements		30,811	29,496	28,201	26,947	25,722	24,495	22,942	21,727	20,511	19,296	18,084	16,873	285,105
18															
19	Program Total		\$232,680	\$229,957	\$223,834	\$215,198	\$212,411	\$213,173	\$211,620	\$210,405	\$209,189	\$207,532	\$205,878	\$204,667	\$2,576,544
20	Residential Energy Management - Load Management Switches (D)														
21	Expenditures Booked Directly to Plant		\$178,951	\$622,915	\$525,268	\$794,814	\$1,038,044	\$517,329	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$385,000	\$5,987,320
22	Retirements		22,015	38,298	20,119	34,719	44,892	55,407	21,054	89,890	24,267	73,394	24,668	19,943	468,666
23	Investments Booked to CWIP		0	0	0	0	0	0	0	0	0	0	0	0	0
24	Closings to Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
25	Amortization Base		33,123,964	33,272,758	33,866,464	34,364,313	35,119,321	36,107,216	36,586,314	36,915,842	37,243,763	37,579,932	37,915,902	38,278,596	
26															
27	Amortization Expense		552,077	554,557	564,452	572,750	585,334	601,799	609,784	615,276	620,742	626,345	631,944	637,989	7,173,049
28															
29	Cumulative Plant Investment	33,134,971	33,291,907	33,876,524	34,381,673	35,141,767	36,134,919	36,596,841	36,960,787	37,255,896	37,616,629	37,928,236	38,288,568	38,653,625	38,653,625
30	Less: Accumulated Depreciation	12,628,746	13,158,809	13,675,068	14,219,400	14,757,431	15,297,873	15,844,265	16,432,995	16,958,381	17,554,856	18,107,807	18,715,083	19,333,130	19,333,130
31	Cumulative CWIP Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Net Plant Investment	20,506,225	20,133,098	20,201,456	20,162,273	20,384,336	20,837,046	20,752,576	20,527,792	20,297,516	20,061,774	19,820,429	19,573,485	19,320,496	19,320,496
33	Average Investment		20,319,661	20,167,277	20,181,864	20,273,304	20,610,691	20,794,811	20,640,184	20,412,654	20,179,645	19,941,101	19,696,957	19,446,990	
34	Return on Average Investment		108,082	107,271	107,350	107,835	109,630	110,610	107,900	106,711	105,493	104,246	102,969	101,663	1,279,760
35															
36	Return Requirements		132,801	131,805	131,902	132,498	134,703	135,907	133,047	131,581	130,080	128,542	126,967	125,357	1,575,190
37															
38	Program Total		\$684,878	\$686,362	\$696,354	\$705,248	\$720,037	\$737,706	\$742,831	\$746,857	\$750,822	\$754,887	\$758,911	\$763,346	\$8,748,239
39	Summary of Demand & Energy														
40	Energy		\$1,197	\$1,190	\$1,185	\$1,177	\$1,171	\$1,165	\$1,156	\$1,150	\$1,144	\$570	\$0	\$0	\$11,105
41	Demand		1,062,702	1,060,928	1,067,461	1,066,886	1,078,058	1,095,659	1,098,169	1,100,160	1,101,988	1,103,477	1,105,479	1,111,115	13,052,082
42	Total Return & Depreciation		\$1,063,899	\$1,062,118	\$1,068,646	\$1,068,063	\$1,079,229	\$1,096,824	\$1,099,325	\$1,101,310	\$1,103,132	\$1,104,047	\$1,105,479	\$1,111,115	\$13,063,187

Notes:

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- Return Requirements are calculated using a combined statutory tax rate of 25.345%.

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Calculation of Interest Provision
 January 2019 - December 2019

Line No.	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total
1 Beginning True-Up Amount (C3, Page 11, Lines 7 & 8)	(\$5,979,386)	(\$4,412,549)	(\$2,343,043)	(\$448,226)	\$756,209	\$1,107,286	\$873,207	\$397,917	(\$154,068)	(\$985,202)	(\$879,502)	\$869,069	
2 Ending True-Up Amount Before Interest (C3, Page 11, Lines 5,7-10)	(4,402,103)	(2,336,266)	(445,385)	755,894	1,105,417	871,266	396,689	(154,303)	(984,102)	(877,701)	869,079	2,980,930	
3 Total Beginning & Ending True-Up (Line 1 + Line 2)	(10,381,489)	(6,748,815)	(2,788,428)	307,669	1,861,626	1,978,551	1,269,896	243,614	(1,138,170)	(1,862,903)	(10,423)	3,849,999	
4 Average True-Up Amount (50% of Line 3)	(5,190,744)	(3,374,408)	(1,394,214)	153,834	930,813	989,276	634,948	121,807	(569,085)	(931,452)	(5,212)	1,925,000	
5 Interest Rate: First Day Reporting Business Month	2.42%	2.41%	2.41%	2.48%	2.43%	2.39%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	
6 Interest Rate: First Day Subsequent Business Month	2.41%	2.41%	2.48%	2.43%	2.39%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	2.32%	
7 Total (Line 5 & Line 6) (Line 5 + Line 6)	4.83%	4.82%	4.89%	4.91%	4.82%	4.71%	4.64%	4.64%	4.64%	4.64%	4.64%	4.64%	
8 Average Interest Rate (50% of Line 7)	2.415%	2.410%	2.445%	2.455%	2.410%	2.355%	2.320%	2.320%	2.320%	2.320%	2.320%	2.320%	
9 Interest Provision (Line 4 * Line 8) / 12	(\$10,446)	(\$6,777)	(\$2,841)	\$315	\$1,869	\$1,941	\$1,228	\$235	(\$1,100)	(\$1,801)	(\$10)	\$3,722	(\$13,665)

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Energy Conservation Adjustment
 Calculation of True-Up
 January 2019 - December 2019

Line No.	Act Jan-19	Act Feb-19	Act Mar-19	Act Apr-19	Act May-19	Act Jun-19	Est Jul-19	Est Aug-19	Est Sep-19	Est Oct-19	Est Nov-19	Est Dec-19	Total	
1	ECCR Revenues	\$7,252,718	\$7,524,175	\$7,433,154	\$7,626,727	\$8,453,161	\$10,052,167	\$10,218,702	\$10,296,389	\$10,576,026	\$9,639,406	\$7,999,757	\$7,642,114	\$104,714,496
2	Prior Period True-Up Over/(Under) Recovery	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	5,979,386
3	ECCR Revenues Applicable to Period	7,751,000	8,022,457	7,931,437	8,125,009	8,951,444	10,550,449	10,716,984	10,794,671	11,074,308	10,137,688	8,498,039	8,140,396	110,693,882
4	ECCR Expenses	8,830,001	9,600,458	9,330,813	8,830,847	8,802,369	9,816,147	9,742,184	9,744,169	9,745,991	9,746,906	9,748,338	9,753,974	113,692,199
5	True-Up This Period (Over)/Under Recovery	1,079,000	1,578,001	1,399,377	705,838	(149,075)	(734,302)	(974,800)	(1,050,502)	(1,328,316)	(390,782)	1,250,299	1,613,579	2,998,317
6	Current Period Interest	(10,446)	(6,777)	(2,841)	315	1,869	1,941	1,228	235	(1,100)	(1,801)	(10)	3,722	(13,665)
7	Audit Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
8	True-Up & Interest Provision Beginning of Period	(5,979,386)	(4,412,549)	(2,343,043)	(448,226)	756,209	1,107,286	873,207	397,917	(154,068)	(985,202)	(879,502)	869,069	(5,979,386)
9	GRT Refunded	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Prior Period True-Up Over/(Under) Recovery	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	498,282	5,979,386
11	End of Period Net True-Up	(\$4,412,549)	(\$2,343,043)	(\$448,226)	\$756,209	\$1,107,286	\$873,207	\$397,917	(\$154,068)	(\$985,202)	(\$879,502)	\$869,069	\$2,984,652	\$2,984,652

Duke Energy Florida, LLC
 Energy Conservation Cost Recovery
 Calculation of ECCR Revenues
 January 2020 - December 2020

Line No.	Month	Jurisdictional mWh Sales	ECCR Revenue Net of Revenue Taxes
1	January	3,046,934	\$9,418,258
2	February	2,851,309	8,755,754
3	March	2,713,732	8,291,156
4	April	2,759,453	8,331,889
5	May	2,960,871	8,876,134
6	June	3,602,477	10,954,291
7	July	3,872,304	11,816,785
8	August	4,088,899	12,472,025
9	September	3,980,798	12,142,920
10	October	3,683,169	11,246,790
11	November	3,018,516	9,058,574
12	December	2,918,116	8,895,324
13	Total	39,496,576	\$120,259,901

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 2020 - December 2020: It is estimated that 30,000 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$6,160,119.

Program Progress Summary: As of year-to-date, June 30, 2019, 15,901 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 2020 - December 2020: It is estimated that 21,183 completions will be performed in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$7,771,262.

Program Progress Summary: As of year-to-date, June 30, 2019, 11,330 measure installations have taken place in the current year because 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 2020 - December 2020: It is estimated that energy conservation measures will be installed on 4,500 homes and approximately 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 2020 - December 2020: Costs for this program are projected to be \$2,562,059.

Program Progress Summary: As of year-to-date, June 30, 2019, we have provided measures to 2,273 homes and a monthly average of 15,010 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 and other non-profit or government agencies by providing energy education, energy education materials and financial incentives to weatherize the homes of low-income families.

Program Projections - January 2020 - December 2020: It is estimated that 786 weatherization measures will be installed on 265 residential homes.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$318,990.

Program Progress Summary: As of year-to-date, June 30, 2019, there have been 546 measures installed on 234 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 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.

This program provides approximately 699 MW's of winter and 388 MW's of summer load reduction. Approximately 435,000 customers currently participate in the program.

Program Projections - January 2020 - December 2020: During this period DEF anticipates adding 2,500 new participants to the current portfolio of approximately 435,000 participants.

Program Fiscal Costs - January 2020 - December 2020: Program costs during this period are projected to be \$42,091,938.

Program Progress Summary: Through year-to-date, June 30, 2019, a total of 3,384 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. This program acts as a motivational tool to identify, evaluate and inform consumers about cost effective energy saving measures that can be installed at their facility. The Business Energy Check Program serves as the foundation for the Better Business Program.

Program Projections - January 2020 - December 2020: It is estimated that 540 customers will participate in this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$855,568.

Program Progress Summary: As of year-to-date, June 30, 2019, 251 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 2020 - December 2020: It is estimated that 485 measure installations will take place because of this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$3,137,573.

Program Progress Summary: As of year-to-date, June 30, 2019, 350 measure installations have taken place because 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 2020 - December 2020: It is estimated that 24 customers will participate in the program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$897,885.

Program Progress Summary: As of year-to-date June 30, 2019, 12 customers have participated in this program and there are several other applications that are currently being evaluated.

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 2020 - December 2020: It is estimated that 12 new installations will be completed during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Expenses for this program are projected to be \$5,292,572.

Program Progress Summary: There are currently a total of 178 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 2020 - December 2020: 22 new accounts are estimated to sign up for this program during the projection period.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$40,787,022.

Program Progress Summary: There are a total of 173 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 2020 - December 2020: DEF is not projecting to add any new participants during the projection period as DEF expects that customers are more likely to participate in the Interruptible or Stand-by load management programs.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$2,227,041 and 97% of these costs are attributable to incentives paid to customers who currently participate in the program.

Program Progress Summary: As of June 30, 2019, 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 2020 - December 2020: DEF has partnered with various research organizations including, the University of South Florida (USF), the University of Central Florida (UCF) 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 2020:

- Energy Management Circuit Breakers
- Smart Charging for Electric Transportation
- Smart Appliances for Demand Management and Customer EE
- Advanced Variable Capacity HVAC
- USF Renewable Energy Storage
- Persistent Wi-Fi for Demand Side Management
- UCF Long Duration Energy Storage
- EPRI programs (energy efficiency, energy storage, integration of renewable resources, electric transportation infrastructure)

Program Fiscal Costs - January 2020 - December 2020: 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:

- Energy Management Circuit Breaker Project: This project will continue to explore the potential for developing a Florida program for customer circuit breakers that include communication, metering, and remote operation for potential applications including energy efficiency, demand response, and integration of distributed energy resources. A field pilot consisting of 10 customer homes is installed and operational data is being collected from appliances. In 2020 DEF will update the EMCB hardware to new commercial grade units and upgrade the communications path to prepare for large scale implementation by the vendor. This upgrade will give DEF the opportunity to test units and infrastructure that could be implemented in large scale. We will continue to test

Program Description and Progress

smart breaker applications including smart breakers that have electric vehicle charging capabilities in 2020. DEF will document the operation of these breakers and assess the cost-effectiveness for potential EE and DR programs.

- 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. An EV charging load research project is providing data on residential customer charging behavior.
- 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. DEF, in partnership with EPRI, is testing: CTA-2045 thermostats, heat pump water heaters, electric water heaters, pool pump/timers, and electric vehicle chargers. DEF is also testing retrofit devices that could bring the features of CTA-2045 to existing appliances including water heaters, pool pumps, and electric vehicle chargers. The functionality of these devices is being verified in field demonstrations for program development.
- EPRI and National Labs HEMS EE/DR Project: This project will leverage the CTA-2045 Project to provide field testing of Home Energy Management Systems (HEMS) for energy efficiency and demand response. This project is the field-testing phase of a FOA that is being executed by EPRI and a consortium of US National Labs. The project designed the hardware and software to enable customer appliance control through the HEMS.
- Advanced Variable Capacity HVAC Pilot: This project will evaluate the demand response capability of internet-connected variable capacity heat pumps. We will verify that variable capacity systems can provide greater peak power reduction while limiting discomfort to the customer (compared to traditional duty cycling strategies for single-speed systems). This pilot will test triggering of DSM using open standards and actuate through manufacturer cloud-based communication. DEF will utilize existing heat pumps resulting in minimal need for retrofit. Currently these heat pumps cannot participate in our Residential Energy Management Program because of the type of thermostatic control employed in these systems.
- USF Renewable Energy Storage System: This project will evaluate the use of a customer-sited energy storage system and a solar PV installation to renewably control customer demand, including high demand spikes from fast electric vehicle charging.

Program Description and Progress

DEF will also determine the feasibility of a potential DSM program using the solar and energy storage systems. The renewable energy storage system will also have the capability to supply loads during a prolonged utility outage (due to storms, etc.). This project has an online dashboard that is open to the public and provides solar, energy storage and load data (<https://dashboards.epri.com/duke-usfsp-parking>).

- Persistent Wi-Fi for Demand Side Management Project: This project will design and test hardware and software to enable persistent connection of utility demand response equipment utilizing customer provided internet connection in a secure Wi-Fi configuration.
- UCF Long-Duration Energy Storage Project: This project is a collaboration with the University of Central Florida (UCF) to document the value of long duration customer-side energy storage systems. Long duration energy storage (4 hours+) may be best achieved by employing technologies other than Lithium Ion. This project will use the technology at UCFs Microgrid Control lab to directly test a long duration energy storage system in multiple use cases including integration of solar PV, operation and control of smart building loads for demand response, and study of battery performance.

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 2020 - December 2020: DEF will continue to engage with interested parties wanting to provide cogeneration or renewable resources to DEF. Discussions around potential projects, commitments, grid access and QF avoided cost with renewables, energy storage, and combined heat and power developers continue. These parties are exploring distributed generation options as the technologies advance, the markets and incentives change, including declining technology costs, and the associated policies are refined. As the number of potential QFs that engage DEF increase, additional planning, forecasting, screening techniques and QF business practices will need to evolve and expand. For example, more in depth research and analytics will be required to support grid interconnections, good faith QF purchased power negotiations, DEF system impacts, and associated contract structures. DEF will monitor the existing QF contracts under development for: construction milestones, financing status, permitting, transmission studies, insurance requirements, and performance security. DEF will continue to prudently administer all executed and in-service QF contracts for compliance and defend against all claims originating from terminated QF contracts.

Program Fiscal Costs - January 2020 - December 2020: Costs for this program are projected to be \$1,294,116.

Program Progress Summary: DEF has approximately 728 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 78 MW. Approximately 67 MW of renewables are delivering energy to the Company under DEF's COG-1, as-available QF contract and 250 MW of Qualified renewables are under development. Finally, DEF continues to manage about 6,000 MW of distributed energy resources and renewables as part of the QF Program in its State Pre-Application, State Application, and FERC jurisdictional generation interconnection request queues that represent an intention to interconnect inside DEF's Balancing Authority.

**Duke Energy Florida, LLC
Energy Conservation Cost Recovery
Capital Structure and Cost Rates**

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,374,787,363	40.9%	10.50%	4.30%	5.75%
LTD	4,497,051,945	42.1%	4.90%	2.06%	2.06%
STD	(193,058,184)	-1.8%	0.88%	-0.02%	-0.02%
CD-Active	179,648,841	1.7%	2.35%	0.04%	0.04%
CD-Inactive	1,597,098	0.0%	0.00%	0.00%	0.00%
Deferred Tax	1,826,908,909	17.1%	0.00%	0.00%	0.00%
ITC	5,239,408	0.0%	7.85%	0.00%	0.00%
Total	\$ 10,692,175,379	100.00%		6.38%	7.84%
			Total Debt	2.086%	2.086%
			Total Equity	4.296%	5.755%

May 2018 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. Consistent with Paragraph 19 of the RRSSA Used to Calculate January 2019 - June 2019

Class of Capital	Retail Amount	Ratio	Cost Rate	Weighted Cost Rate	PreTax Weighted Cost Rate
CE	\$ 4,874,577,393	41.0%	10.50%	4.31%	5.77%
LTD	4,845,025,196	40.8%	4.70%	1.92%	1.92%
STD	(59,426,995)	-0.5%	-0.36%	0.00%	0.00%
CD-Active	176,756,874	1.5%	2.38%	0.04%	0.04%
CD-Inactive	1,853,499	0.0%	0.00%	0.00%	0.00%
Deferred Tax	2,026,313,275	17.0%	0.00%	0.00%	0.00%
ITC	19,805,922	0.2%	7.71%	0.01%	0.01%
Total	\$ 11,884,905,162	100.00%		6.27%	7.74%
			Total Debt	1.967%	1.967%
			Total Equity	4.307%	5.769%

May 2019 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. Used to Calculate July 2019 - December 2020

TAMPA ELECTRIC COMPANY
SCHEDULES SUPPORTING CONSERVATION
COST RECOVERY FACTOR
ACTUAL
JANUARY 2018 - DECEMBER 2018

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 14
PARTY: TAMPA ELECTRIC COMPANY (TECO)
– (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 2018 through December 2018

End of Period True-up

Principal	(2,704,027)	
Interest	(34,755)	
Total		(2,738,782)

Less: Projected True-up

(Last Projected Conservation Hearing)

Principal	(5,549,426)	
Interest	(53,815)	
Total		(5,603,241)

Adjusted Net True-up 2,864,459

TAMPA ELECTRIC COMPANY
 Analysis of Energy Conservation Program Costs
 Actual vs. Projected
 For Months January 2018 through December 2018

Description	Actual	Projected	Difference
1 Capital Investment	\$1,334,399	\$1,345,013	(\$10,614)
2 Payroll	\$3,785,930	\$4,185,554	(\$399,624)
3 Materials and Supplies	\$513,218	\$499,957	\$13,261
4 Outside Services	\$2,803,599	\$2,802,225	\$1,374
5 Advertising	\$1,057,136	\$905,933	\$151,203
6 Incentives	\$30,808,560	\$31,242,186	(\$433,626)
7 Vehicles	\$138,610	\$224,186	(\$85,576)
8 Other	\$4,265,032	\$6,694,542	(\$2,429,510)
9 Subtotal	\$44,706,483	\$47,899,596	(\$3,193,112)
Less: LED Street and Outdoor 10 Conversion Program	(\$125,991)	(\$256,588)	\$130,597
11 Less: Renewable Revenues	(\$136,375)	(\$154,949)	\$18,574
12 Total	\$44,444,118	\$47,488,059	(\$3,043,941)
13 Less: Renewable Program	\$114,598	(\$127,317)	\$241,915
14 Total Program Costs	\$44,558,716	\$47,360,742	(\$2,802,026)
15 Beginning of Period True-up Overrecovery	\$649,400	\$649,400	\$0
16 Amounts included in Base Rates	\$0	\$0	\$0
17 Conservation Adjustment Revenues	(\$42,504,089)	(\$42,460,716)	(\$43,373)
18 True-up Before Interest	(\$2,704,027)	(\$5,549,426)	\$2,845,399
19 Interest Provision	(\$34,755)	(\$53,815)	\$19,060
20 End of Period True-up	(\$2,738,782)	(\$5,603,241)	\$2,864,459

TAMPA ELECTRIC COMPANY
 Actual Conservation Program Costs per Program
 For Months January 2018 through December 2018

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
12000359 Residential Walk-Through Energy Audit	0	1,231,710	3,120	10,910	549,931	0	68,241	24,308	0	1,888,220
12000353-12000355 Residential Customer Assisted Audit	0	138,113	20,223	710,156	0	0	10	717	0	869,219
12000357, 12000369 Residential Computer Assisted Audit	0	1,598	0	0	0	0	0	50	0	1,648
12000381 Residential Ceiling Insulation	0	71,128	197	0	0	142,733	1,068	2,724	0	217,850
12000391 Residential Duct Repair	0	50,458	197	0	0	301,399	1,690	2,413	0	356,157
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0
12000375 Energy Education, Awareness and Agency Outre	5,929	31,638	2,911	71,848	0	0	829	10,326	0	123,481
12004152 Energy Star Multi-Family	0	74	0	0	782	0	35	273	0	1,164
12000431 Energy Star for New Homes	0	29,885	0	0	2,388	699,550	304	2,272	0	734,399
12000349 Residential Heating and Cooling	0	84,962	159	0	0	455,085	232	4,417	0	544,855
12000425 Neighborhood Weatherization	0	171,089	344,850	902,875	0	2,808,170	8,862	2,055	0	4,237,901
12000433 Energy Planner	1,322,880	868,469	127,741	544,502	501,970	0	51,103	130,284	0	3,546,949
12000365 Residential Wall Insulation	0	110	0	0	0	202	0	0	0	312
12000367 Residential Window Replacement	0	100,285	159	0	0	700,526	607	1,896	0	803,473
12000421 Residential HVAC Re-Commissioning	0	0	0	0	0	0	0	0	0	0
12000373 Residential Window Film	0	0	0	0	0	0	0	0	0	0
12000351 Prime Time	0	7,949	0	9,723	0	0	0	0	0	17,672
12000363 Commercial/Industrial Audit (Free)	0	266,097	1,557	0	0	0	2,221	13,996	0	283,871
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	688	0	0	0	0	37	0	0	725
12000397 Commercial Ceiling Insulation	0	5,020	0	0	0	3,792	64	0	0	8,876
12000411 Commercial Chiller	0	241	0	0	0	1,246	0	0	0	1,487
12000371 Cogeneration	0	56,694	0	0	0	0	131	0	0	56,825
12000389 Conservation Value	0	0	0	0	0	0	0	0	0	0
12000443 Cool Roof	0	24,496	0	0	0	176,104	100	4	0	200,704
12000429 Commercial Cooling	0	677	0	0	0	4,576	17	0	0	5,270
12000409 Demand Response	0	16,653	0	0	0	3,914,115	14	1,097	0	3,931,879
12000377 Commercial Duct Repair	0	200	0	0	0	900	13	0	0	1,113
12000441 Commercial ECM	0	0	0	0	0	0	0	0	0	0
12000379 Industrial Load Management (GSLM 2&3)	5,590	19,446	0	0	0	17,561,103	200	0	0	17,586,339
12004386 LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	3,921,490	(125,991)	3,795,499
12000385 Lighting Conditioned Space	0	81,024	0	0	0	503,144	1,221	2,785	0	588,174
12003201 Lighting Non-Conditioned Space	0	49,229	0	0	0	128,262	219	1,707	0	179,417
12000413 Lighting Occupancy Sensors	0	700	0	0	0	23,760	25	0	0	24,485
12000383 CILM (GSLM 1)	0	34	0	0	0	6,993	0	0	0	7,027
12000415 Refrigeration Anti-Condensate Control	0	0	0	54	0	0	0	227	0	281
12000387 Standby Generator	0	92,390	11,939	311,328	0	3,320,400	67	2,028	0	3,738,152
12003202 Thermal Energy Storage	0	0	0	0	0	56,500	0	0	0	56,500
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	0	0	98	0	0	0	695	0	793
12000427 Conservation Research and Development	0	724	0	0	0	0	27	0	0	751
12000393 Renewable Energy Program	0	12,945	169	5,705	2,065	0	0	893	(136,375)	(114,598)
12000403-12000407, 12000423 Renewable Energy Systems Initiative	0	0	0	0	0	0	0	0	0	0
12000445 Commercial ERV	0	0	0	0	0	0	0	0	0	0
12000437 Commercial Exit Signs	0	0	0	0	0	0	0	0	0	0
12000439 Commercial HVAC Re-commissioning	0	0	0	0	0	0	0	0	0	0
12000395 Commercial Window Film	0	0	0	0	0	0	0	0	0	0
12000347 Common Expenses	0	371,205	(4)	236,400	0	0	1,273	138,376	0	747,250
Total All Programs	1,334,399	3,785,930	513,218	2,803,599	1,057,136	30,808,560	138,610	4,265,033	(262,366)	44,444,119
Less Renewable Energy Program	0	12,945	169	5,705	2,065	0	0	893	(136,375)	(114,598)
Total Less Renewable Energy Program	1,334,399	3,772,985	513,049	2,797,894	1,055,071	30,808,560	138,610	4,264,140	(125,991)	44,558,717

TAMPA ELECTRIC COMPANY
 Conservation Program Costs per Program
 Variance - Actual vs. Projected
 For Months January 2018 through December 2018

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
12000359 Residential Walk-Through Energy Audit	0	(129,607)	(1,227)	10,520	57,837	0	(29,750)	(6,057)	0	(98,284)
12000353-12000355 Residential Customer Assisted Audit	0	42,727	2,528	73,039	0	0	10	504	0	118,808
12000357, 12000369 Residential Computer Assisted Audit	0	(1,280)	0	0	0	0	0	155	0	(1,125)
12000381 Residential Ceiling Insulation	0	(14,431)	(200)	0	0	(20,086)	(90)	(171)	0	(34,978)
12000391 Residential Duct Repair	0	(11,512)	(200)	0	0	24,540	308	(401)	0	12,735
12000419 Residential Electronically Commutated Motors	0	(7)	0	(105)	0	(115)	0	0	0	(227)
12000375 Energy Education, Awareness and Agency Outreac	(4,860)	(23,449)	(737)	(9,776)	0	0	(306)	(3,871)	0	(42,999)
12004152 Energy Star Multi Family	0	(774)	0	0	0	(97,500)	0	0	0	(98,274)
12000431 Energy Star for New Homes	0	(2,128)	0	0	1,606	(164,050)	63	(1,331)	0	(165,840)
12000349 Residential Heating and Cooling	0	185	159	0	0	15,390	37	276	0	16,047
12000425 Neighborhood Weatherization	0	(76,607)	44,964	101,375	0	(680,135)	3,663	849	0	(605,891)
12000433 Energy Planner	(5,429)	(60,426)	7,834	(6,117)	92,837	0	(41)	(16,577)	0	12,081
12000365 Residential Wall Insulation	0	(14)	0	0	0	(128)	0	0	0	(142)
12000367 Residential Window Replacement	0	22,388	159	0	0	78,077	387	55	0	101,066
12000351 Prime Time	0	(3,441)	0	(3,666)	0	0	0	(450)	0	(7,557)
12000363 Commercial/Industrial Audit (Free)	0	(65,327)	(213)	0	(2,600)	0	(3,982)	7,523	0	(64,599)
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	(1,368)	0	(1,000)	0	0	(80)	200	0	(2,248)
12000397 Commercial Ceiling Insulation	0	742	0	0	0	(1,665)	(91)	0	0	(1,014)
12000411 Commercial Chiller	0	(615)	0	0	0	(9,254)	(100)	0	0	(9,969)
12000371 Cogeneration	0	(8,171)	0	0	0	0	102	0	0	(8,069)
12000389 Conservation Value	0	0	(2,670)	0	(542)	0	(50,000)	(25)	0	(53,237)
12000443 Cool Roof	0	1,932	0	0	0	6,691	(249)	0	0	8,374
12000429 Commercial Cooling	0	(452)	0	0	0	4,576	(4,995)	(75)	0	(946)
12000409 Demand Response	0	(6,283)	0	0	0	329,999	(300)	(2,684)	0	320,732
12000377 Commercial Duct Repair	0	(807)	0	0	0	(1,350)	11	0	0	(2,146)
12000441 Commercial ECM	0	(1,770)	0	0	0	(4,200)	(60)	0	0	(6,030)
12000379 Industrial Load Management (GSLM 2&3)	0	(11,292)	0	0	0	503,074	0	0	0	491,782
12004386 LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	(2,440,815)	130,597	(2,310,218)
12000385 Lighting Conditioned Space	0	(14,674)	0	0	0	(208,924)	254	569	0	(222,775)
12003201 Lighting Non-Conditioned Space	0	(5,087)	0	0	0	(27,754)	60	422	0	(32,359)
12000413 Lighting Occupancy Sensors	0	(447)	0	0	0	6,340	(125)	0	0	5,768
12000383 CILM (GSLM 1)	(325)	(21,305)	0	(39,050)	0	0	0	0	0	(60,680)
12000415 Refrigeration Anti-Condensate Control	0	(192)	0	0	0	(1,500)	(25)	22	0	(1,695)
12000387 Standby Generator	0	2,499	(37,338)	1,464	0	(80,152)	(161)	(1,131)	0	(114,819)
12003202 Thermal Energy Storage	0	(3,530)	0	0	0	(103,500)	(200)	0	0	(107,230)
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	(171)	0	0	0	(2,000)	(25)	22	0	(2,174)
12000427 Conservation Research and Development	0	(369)	0	0	0	0	0	0	0	(369)
12000393 Renewable Energy Program	0	(723)	169	(262,000)	2,065	0	0	0	18,574	(241,915)
12000347 Common Expenses	0	(3,838)	33	136,690	0	0	109	33,482	0	166,476
Total All Programs	(10,614)	(399,624)	13,261	1,374	151,203	(433,626)	(85,576)	(2,429,509)	149,171	(3,043,940)
Less Renewable Energy Program	0	(723)	169	(262,000)	2,065	0	0	0	18,574	(241,915)
Total Less Renewable Energy Program	(10,614)	(398,901)	13,092	263,374	149,138	(433,626)	(85,576)	(2,429,509)	130,597	(2,802,025)

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TAMPA ELECTRIC COMPANY
 Description for Accounts
 For Months January 2018 through December 2018

Internal Order	Program Name
12000359	Residential Walk-Through Energy Audit
12000355	Residential Customer Assisted Audit
12000357	Residential Computer Assisted Audit
12000369	Residential Computer Assisted Audit
12000363	Commercial/Industrial Audit (Free)
12000361	Comprehensive Commercial/Industrial Audit (Paid)
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)
12004386	LED Street and Outdoor Conversion Program
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 2018 through December 2018

Program Name	January	February	March	April	May	June	July	August	September	October	November	December	Total
12000359 Residential Walk-Through Energy Audit	83,719	115,836	213,237	105,946	171,940	170,180	161,732	183,193	201,813	203,675	111,666	165,284	1,888,220
12000353-12000355 Residential Customer Assisted Audit	5,948	2,520	20,291	88,298	79,503	59,969	119,244	483,962	9,270	51	109	55	869,219
12000357, 12000369 Residential Computer Assisted Audit	0	0	35	27	783	390	0	0	44	0	321	47	1,648
12000381 Residential Ceiling Insulation	13,450	14,726	25,452	24,722	18,380	20,246	22,222	20,125	17,229	17,073	16,139	8,085	217,850
12000391 Residential Duct Repair	20,395	28,931	47,359	26,893	44,461	32,988	29,705	28,021	33,721	19,693	18,735	25,255	356,157
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	0	0	0
12000375 Energy Education, Awareness and Agency Outreach	4,125	3,040	7,470	17,583	9,688	66,443	4,408	5,637	4,784	3,669	(6,521)	3,154	123,481
12004152 Energy Star Multi-Family	0	1,563	(473)	0	0	0	0	74	0	0	0	0	1,164
12000431 Energy Star for New Homes	130,107	63,669	74,164	61,930	62,568	55,330	29,714	66,065	34,688	52,764	63,459	39,942	734,399
12000349 Residential Heating and Cooling	40,334	34,957	48,954	36,989	54,273	45,878	64,693	60,777	41,469	51,135	35,897	29,497	544,855
12000425 Neighborhood Weatherization	246,563	378,841	526,086	271,269	296,405	245,817	310,960	295,551	439,960	485,662	441,780	299,007	4,237,901
12000433 Energy Planner	325,412	346,225	340,099	238,957	292,975	237,723	320,176	291,910	304,666	308,572	224,750	315,482	3,546,948
12000365 Residential Wall Insulation	0	0	0	0	0	0	0	202	74	37	0	0	312
12000367 Residential Window Replacement	69,237	173,516	(52,533)	63,923	64,467	60,310	84,049	81,364	80,587	71,210	62,090	45,254	803,473
12000351 Prime Time	774	3,177	512	2,533	705	320	2,498	1,548	1,033	3,934	338	300	17,672
12000363 Commercial/Industrial Audit (Free)	17,143	24,325	30,035	18,855	20,421	20,065	20,253	32,542	23,194	28,935	26,678	21,426	283,871
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	0	688	37	0	0	0	0	0	0	0	0	725
12000397 Commercial Ceiling Insulation	967	316	1,753	1,537	1,553	1,420	245	387	509	0	0	189	8,876
12000411 Commercial Chiller	0	241	0	0	0	0	1,246	0	0	0	0	0	1,487
12000371 Cogeneration	4,558	6,036	6,917	5,146	4,566	4,526	4,124	6,034	3,413	4,177	3,965	3,362	56,825
12000389 Conservation Value	0	0	0	0	0	0	0	0	0	0	0	0	0
12000443 Cool Roof	12,856	1,344	62,359	1,514	3,484	20,193	76,144	2,956	4,118	1,635	2,047	12,055	200,704
12000429 Commercial Cooling	4,718	349	0	0	0	0	80	122	0	0	0	0	5,270
12000409 Demand Response	308,956	4,857	2,044	970,066	330,608	577	331,782	660,850	565	660,492	330,587	330,496	3,931,879
12000377 Commercial Duct Repair	542	0	0	0	300	2	0	147	0	(147)	259	11	1,113
12000441 Commercial ECM	0	0	0	0	0	0	0	0	0	0	0	0	0
12000379 Industrial Load Management (GSLM 2&3)	1,389,078	1,426,524	1,362,392	1,410,209	1,489,431	1,588,273	1,547,367	1,598,582	1,610,675	1,410,618	1,407,811	1,345,379	17,586,339
12004386 LED Street and Outdoor Conversion Program	0	0	78,853	59,496	43,848	1,478,606	516,062	458,200	465,947	22,058	462	671,967	3,795,499
12000385 Lighting Conditioned Space	10,050	8,926	38,688	57,975	36,949	99,888	58,963	56,222	60,147	39,761	28,005	92,600	588,174
12003201 Lighting Non-Conditioned Space	17,030	12,839	16,552	32,931	9,564	33,126	17,434	3,014	9,604	4,989	5,017	17,317	179,417
12000413 Lighting Occupancy Sensors	0	0	0	12,242	0	1,093	1,750	150	920	4,860	125	3,345	24,485
12000383 CILM (GSLM 1)	0	0	0	999	999	999	1,033	999	999	999	0	0	7,027
12000415 Refrigeration Anti-Condensate Control	0	0	0	0	193	66	22	0	0	0	0	0	281
12000387 Standby Generator	385,555	168,400	401,814	281,137	274,803	375,923	289,822	303,993	282,159	303,053	284,656	386,836	3,738,153
12003202 Thermal Energy Storage	0	0	0	0	0	0	23,200	0	0	33,300	0	0	56,500
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	0	0	0	315	456	22	0	0	0	0	0	793
12000427 Conservation Research and Development	423	0	121	181	27	0	0	0	0	0	0	0	751
12000393 Renewable Energy Program	(11,040)	(14,095)	(5,496)	(8,868)	(8,040)	(11,395)	(9,355)	(8,227)	(8,941)	(8,924)	(10,857)	(9,361)	(114,598)
12000347 Common Expenses	53,814	51,182	75,767	36,562	57,740	33,127	183,888	15,744	32,891	58,772	59,114	88,650	747,250
Total	3,134,715	2,858,246	3,323,141	3,819,086	3,362,907	4,642,538	4,213,484	4,650,144	3,655,538	3,782,054	3,106,633	3,895,633	44,444,119
Less: Renewable Energy Program	(11,040)	(14,095)	(5,496)	(8,868)	(8,040)	(11,395)	(9,355)	(8,227)	(8,941)	(8,924)	(10,857)	(9,361)	(114,598)
Recoverable Conservation Expenses	3,145,755	2,872,341	3,328,637	3,827,954	3,370,947	4,653,933	4,222,839	4,658,371	3,664,479	3,790,978	3,117,490	3,904,994	44,558,717

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up and Interest Provision
For Months January 2018 through December 2018

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 *	3,397,627	3,137,210	3,024,337	3,002,129	3,197,275	3,697,227	4,088,019	4,022,034	4,340,506	4,007,641	3,495,893	3,094,192	42,504,089
3 Total Revenues	3,397,627	3,137,210	3,024,337	3,002,129	3,197,275	3,697,227	4,088,019	4,022,034	4,340,506	4,007,641	3,495,893	3,094,192	42,504,089
4 Prior Period True-up	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,759)</u>	<u>(249,762)</u>	<u>(2,997,111)</u>
5 Conservation Revenue Applicable to Period	3,147,868	2,887,451	2,774,578	2,752,370	2,947,516	3,447,468	3,838,260	3,772,275	4,090,747	3,757,882	3,246,134	2,844,430	39,506,978
6 Conservation Expenses	<u>3,145,755</u>	<u>2,872,341</u>	<u>3,328,637</u>	<u>3,827,954</u>	<u>3,370,947</u>	<u>4,653,934</u>	<u>4,222,839</u>	<u>4,658,371</u>	<u>3,664,479</u>	<u>3,790,978</u>	<u>3,117,490</u>	<u>3,904,992</u>	44,558,716
7 True-up This Period (Line 5 - Line 6)	2,113	15,110	(554,059)	(1,075,584)	(423,431)	(1,206,466)	(384,579)	(886,096)	426,268	(33,096)	128,644	(1,060,562)	(5,051,738)
8 Interest Provision This Period	(665)	(340)	(414)	(1,320)	(2,096)	(3,071)	(4,073)	(4,716)	(4,975)	(4,491)	(4,006)	(4,588)	(34,755)
9 True-up & Interest Provision Beginning of Period	(\$649,400)	(398,193)	(133,664)	(438,378)	(1,265,523)	(1,441,291)	(2,401,069)	(2,539,962)	(3,181,015)	(2,509,963)	(2,297,791)	(1,923,394)	(649,400)
10 Prior Period True-up Collected (Refunded)	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,759</u>	<u>249,762</u>	<u>2,997,111</u>
11 End of Period Total Net True-up	<u>(\$398,193)</u>	<u>(\$133,664)</u>	<u>(\$438,378)</u>	<u>(\$1,265,523)</u>	<u>(\$1,441,291)</u>	<u>(\$2,401,069)</u>	<u>(\$2,539,962)</u>	<u>(\$3,181,015)</u>	<u>(\$2,509,963)</u>	<u>(\$2,297,791)</u>	<u>(\$1,923,394)</u>	<u>(\$2,738,782)</u>	<u>(\$2,738,782)</u>

* Net of Revenue Taxes

(A) Included in Line 6

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TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up and Interest Provision
For Months January 2018 through December 2018

Interest Provision	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Beginning True-up Amount	(\$649,400)	(\$398,193)	(\$133,664)	(\$438,378)	(\$1,265,523)	(\$1,441,291)	(\$2,401,069)	(\$2,539,962)	(\$3,181,015)	(\$2,509,963)	(\$2,297,791)	(\$1,923,394)	
2 Ending True-up Amount Before Interest	(397,528)	(133,324)	(437,964)	(1,264,203)	(1,439,195)	(2,397,998)	(2,535,889)	(3,176,299)	(2,504,988)	(2,293,300)	(1,919,388)	(2,734,194)	
3 Total Beginning & Ending True-up	<u>(1,046,928)</u>	<u>(531,517)</u>	<u>(571,628)</u>	<u>(1,702,581)</u>	<u>(2,704,718)</u>	<u>(3,839,289)</u>	<u>(4,936,958)</u>	<u>(5,716,261)</u>	<u>(5,686,003)</u>	<u>(4,803,263)</u>	<u>(4,217,179)</u>	<u>(4,657,588)</u>	
4 Average True-up Amount (50% of Line 3)	<u>(523,464)</u>	<u>(265,759)</u>	<u>(285,814)</u>	<u>(851,291)</u>	<u>(1,352,359)</u>	<u>(1,919,645)</u>	<u>(2,468,479)</u>	<u>(2,858,131)</u>	<u>(2,843,002)</u>	<u>(2,401,632)</u>	<u>(2,108,590)</u>	<u>(2,328,794)</u>	
5 Interest Rate - First Day of Month	1.580000	1.460000	1.620000	1.860000	1.850000	1.860000	1.980000	1.980000	1.980000	2.210000	2.270000	2.300000	
6 Interest Rate - First Day of Next Month	1.460000	1.620000	1.860000	1.850000	1.860000	1.980000	1.980000	1.980000	2.210000	2.270000	2.300000	2.420000	
7 Total (Line 5 + Line 6)	3.040000	3.080000	3.480000	3.710000	3.710000	3.840000	3.960000	3.960000	4.190000	4.480000	4.570000	4.720000	
8 Average Interest Rate (50% of Line 7)	1.520000	1.540000	1.740000	1.855000	1.855000	1.920000	1.980000	1.980000	2.095000	2.240000	2.285000	2.360000	
9 Monthly Average Interest Rate (Line 8/12)	0.001270	0.001280	0.001450	0.001550	0.001550	0.001600	0.001650	0.001650	0.001750	0.001870	0.001900	0.001970	
10 Interest Provision (Line 4 x Line 9)	(\$665)	(\$340)	(\$414)	(\$1,320)	(\$2,096)	(\$3,071)	(\$4,073)	(\$4,716)	(\$4,975)	(\$4,491)	(\$4,006)	(\$4,588)	(\$34,755)

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2018 through December 2018

PRICE RESPONSIVE LOAD MANAGEMENT

Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Investment		\$40,587	\$60,384	\$57,762	\$35,531	\$78,973	\$28,407	\$90,592	\$70,139	\$82,613	\$69,501	\$77,785	\$26,158	\$718,433
2 Retirements		\$10,220	\$8,662	\$12,241	\$124,686	\$185,690	(\$3,893)	\$154,253	(\$26,740)	\$47,210	\$359,306	\$164,738	\$65,788	\$1,102,161
3 Depreciation Base		5,860,491	5,912,213	5,957,734	5,868,579	5,761,862	5,794,162	5,730,501	5,827,380	5,862,783	5,572,979	5,486,026	5,446,396	
4 Depreciation Expense		<u>97,422</u>	<u>98,106</u>	<u>98,916</u>	<u>98,553</u>	<u>96,920</u>	<u>96,299</u>	<u>96,039</u>	<u>96,316</u>	<u>97,418</u>	<u>95,298</u>	<u>92,158</u>	<u>91,104</u>	<u>1,154,549</u>
5 Cumulative Investment	5,830,123.87	\$5,860,491	\$5,912,213	\$5,957,734	\$5,868,579	\$5,761,862	\$5,794,162	\$5,730,501	\$5,827,380	\$5,862,783	\$5,572,979	\$5,486,026	\$5,446,396	\$5,446,396
6 Less: Accumulated Depreciation	3,358,378	3,445,580	3,535,024	3,621,699	3,595,566	3,506,796	3,606,988	3,548,774	3,671,830	3,722,038	3,458,030	3,385,450	3,410,766	3,410,766
7 Net Investment	<u>\$2,471,746</u>	<u>\$2,414,911</u>	<u>\$2,377,189</u>	<u>\$2,336,035</u>	<u>\$2,273,013</u>	<u>\$2,255,066</u>	<u>\$2,187,174</u>	<u>\$2,181,727</u>	<u>\$2,155,550</u>	<u>\$2,140,745</u>	<u>\$2,114,949</u>	<u>\$2,100,576</u>	<u>\$2,035,630</u>	<u>\$2,035,630</u>
8 Average Investment		2,443,328	2,396,050	2,356,612	2,304,524	2,264,040	2,221,120	2,184,451	2,168,639	2,148,148	2,127,847	2,107,763	2,068,103	
9 Return on Average Investment - Equity Component		11,734	11,507	11,317	11,067	10,873	10,667	10,567	10,490	10,391	10,293	10,196	10,004	129,106
10 Return on Average Investment - Debt Component		<u>3,657</u>	<u>3,586</u>	<u>3,527</u>	<u>3,449</u>	<u>3,388</u>	<u>3,324</u>	<u>3,121</u>	<u>3,098</u>	<u>3,069</u>	<u>3,040</u>	<u>3,011</u>	<u>2,955</u>	<u>39,225</u>
11 Total Depreciation and Return		<u>\$112,813</u>	<u>\$113,199</u>	<u>\$113,760</u>	<u>\$113,069</u>	<u>\$111,181</u>	<u>\$110,290</u>	<u>\$109,727</u>	<u>\$109,904</u>	<u>\$110,878</u>	<u>\$108,631</u>	<u>\$105,365</u>	<u>\$104,063</u>	<u>\$1,322,880</u>

Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.7628% x 1/12 (Jan-Jun) and Line 9 x 5.8046% x1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7959% x 1/12 (Jan-Jun) and Line 10 x 1.7144% x 1/12 (Jul-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2018 through December 2018

INDUSTRIAL LOAD MANAGEMENT

Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Investment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2 Retirements		\$0	\$0	\$0	\$0	\$561	\$29,782	\$23,169	\$1,513	\$101	\$0	\$0	\$0	\$55,126
3 Depreciation Base		55,126	55,126	55,126	55,126	54,565	24,783	1,614	101	0	0	0	0	
4 Depreciation Expense		919	919	919	919	914	661	220	14	0	0	0	0	5,485
5 Cumulative Investment	55,126.00	\$55,126	\$55,126	\$55,126	\$55,126	\$54,565	\$24,783	\$1,614	\$101	\$0	\$0	\$0	\$0	\$0
6 Less: Accumulated Depreciation	49,641	50,560	51,479	52,398	53,317	53,670	24,549	1,600	101	0	0	0	0	0
7 Net Investment	\$5,485	\$4,566	\$3,647	\$2,728	\$1,809	\$895	\$234	\$14	\$0	\$0	\$0	\$0	\$0	\$0
8 Average Investment		5,026	4,107	3,188	2,269	1,352	565	124	7	0	0	0	0	
9 Return on Average Investment		24	20	15	11	6	3	1	0	0	0	0	0	80
10 Return Requirements		<u>8</u>	<u>6</u>	<u>5</u>	<u>3</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>25</u>
11 Total Depreciation and Return		\$951	\$945	\$939	\$933	\$922	\$665	\$221	\$14	\$0	\$0	\$0	\$0	\$5,590

Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.7628% x 1/12 (Jan-Jun) and Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7959% x 1/12 (Jan-Jun) and Line 10 x 1.7144% x 1/12 (Jul-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2018 through December 2018

ENERGY EDUCATION AWARENESS

Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 Investment		(\$12,523)	\$13,325	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ 801
2 Retirements		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
3 Depreciation Base		10,039	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	
4 Depreciation Expense		272	278	389	389	389	389	389	389	389	389	389	389	4,440
5 Cumulative Investment	22,562.36	\$10,039	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364	\$23,364
6 Less: Accumulated Depreciation	355	627	906	1,295	1,684	2,073	2,463	2,853	3,242	3,631	4,021	4,410	4,800	4,800
7 Net Investment	\$22,207	\$9,412	\$22,458	\$22,069	\$21,680	\$21,291	\$20,901	\$20,511	\$20,122	\$19,733	\$19,343	\$18,954	\$18,564	\$18,564
8 Average Investment		15,810	15,935	22,264	21,875	21,486	21,096	20,706	20,317	19,928	19,538	19,149	18,759	
9 Return on Average Investment - Equity Component		76	77	107	105	103	101	100	98	96	95	93	91	1,142
10 Return on Average Investment - Debt Component		24	24	33	33	32	32	30	29	28	28	27	27	347
11 Total Depreciation and Return		\$372	\$379	\$529	\$527	\$524	\$522	\$519	\$516	\$513	\$512	\$509	\$507	\$5,929

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.7628% x 1/12 (Jan-Jun) and Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7959% x 1/12 (Jan-Jun) and Line 10 x 1.7144% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2018 through December 2018

COMMERCIAL LOAD MANAGEMENT

Description	Beginning of Period	COMMERCIAL LOAD MANAGEMENT												Total	
		January	February	March	April	May	June	July	August	September	October	November	December		
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	0
3 Depreciation Base		0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Depreciation Expense		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Cumulative Investment	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6 Less: Accumulated Depreciation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Net Investment		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8 Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Return on Average Investment - Debt Component		-	-	-	-	-	-	-	-	-	-	-	-	-	0
11 Total Depreciation and Return		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Note: Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 5.7628% x 1/12 (Jan-Jun) and Line 9 x 5.8046% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
Line 10 x 1.7959% x 1/12 (Jan-Jun) and Line 10 x 1.7144% x 1/12 (Jul-Dec).

SCHEDULE CT-5
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TAMPA ELECTRIC COMPANY
Reconciliation and Explanation of
Difference Between Filing and FPSC Audit
For Months January 2018 through December 2018

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, 2018 to December 31, 2018

Number of customers participating:
Residential Walk-Through: 7,667
Residential Customer Assisted: 27,734
Residential Computer Assisted: 2
Commercial/Industrial: 797
Commercial/Industrial Comprehensive: 1

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$3,043,683.

Program Progress Summary: Through this reporting period 358,056 customers have participated in on-site audits. Additionally, 152,238 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, 2018 to December 31, 2018

Number of customers participating: 594

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$217,850.

Program Progress Summary: Through this reporting period 123,362 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 air distribution system. The air distribution system is defined as the air handler, air ducts, return plenums, supply plenums and any connecting structure.

Program Accomplishments: January 1, 2018 to December 31, 2018

Number of customers participating: 1,997

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$356,157.

Program Progress Summary: Through this reporting period 102,395 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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$0.

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, 2018 to December 31, 2018

In this reporting period Tampa Electric partnered with 9 local schools to present Energy Education to 5,090 students through classroom presentations. Tampa Electric also continues to partner with Junior Achievement BizTown presenting Energy Education to 19,894 students representing 219 local schools. In addition, the company gave 19 presentations to civic organizations and distributed 806 energy saving kits to participating customers.

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$123,481.

Program Progress Summary: Through this reporting period Tampa Electric has partnered with 125 local schools to present Energy Education to 40,524 students. In addition, the company gave 163 presentations to civic organizations that generated 1,190 customer assisted audits and distributed 6,583 energy saving kits to participating customers.

Program Description and Progress

Program Title: ENERGY STAR for New Multi-Family Residences

Program Description: The ENERGY STAR for New Multi-Family Residences Program is a residential new construction conservation program designed to reduce the growth of peak demand and energy in the residential new construction apartment and condominium residence market. The program utilizes a rebate to encourage the construction of new multi-family residences to meet the requirements to achieve the ENERGY STAR certified apartments and condominium label. By receiving this certificate, the new residence will use less energy and demand which will help reduce the growth of Tampa Electric's peak demand.

Program Accomplishments: January 1, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$1,164

Program Progress Summary: Tampa Electric received Commission approval to implement this program on May 4, 2018. Through this reporting period zero customers have participated.

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, 2018 to December 31, 2018

Number of customers participating: 823

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$734,399.

Program Progress Summary: Through this reporting period 13,634 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, 2018 to December 31, 2018

Number of customers participating: 3,371

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$544,855.

Program Progress Summary: Through this reporting period 204,766 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, 2018 to December 31, 2018

Number of customers participating: 7,389

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$4,237,901.

Program Progress Summary: Through this reporting period 43,321 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, 2018 to December 31, 2018

Number of net customers participating: 747

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$3,546,949.

Program Progress Summary: Through this reporting period 4,886 customers have participated.

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, 2018 to December 31, 2018

Number of customers participating: 2

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$312.

Program Progress Summary: Through this reporting period 197 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, 2018 to December 31, 2018

Number of customers participating: 1,817

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$803,473.

Program Progress Summary: Through this reporting period 15,023 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 began its systematic phased closure. This program was retired on May 11, 2016.

Program Accomplishments: January 1, 2018 to December 31, 2018

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$17,672.

Program Progress Summary: This program was retired on May 11, 2016.

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, 2018 to December 31, 2018

Number of customers participating: 8

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$8,876.

Program Progress Summary: Through this reporting period 319 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, 2018 to December 31, 2018

Number of customers participating: 1

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$1,487.

Program Progress Summary: Through this reporting period 69 customers have participated.

Program Description and Progress

Program Title: Cogeneration

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: January 1, 2018 to December 31, 2018

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: January 1, 2018 to December 31, 2018

Actual expenses were \$56,825.

Program Progress Summary: At the end of 2018, there are eight cogeneration Qualifying Facilities ("QFs") that are on-line in Tampa Electric's service area. The total nameplate generation capacity of these eight interconnected cogeneration facilities is 443.3 MW. During 2018, the company received 192.0 GWh from these facilities. The company continues interaction with current and potential cogeneration developers regarding on-going and future cogeneration activities.

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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$0.

Program Progress Summary: Through this reporting period 51 customers have participated.

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, 2018 to December 31, 2018

Number of customers participating: 21

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$200,704.

Program Progress Summary: Through this reporting period 253 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, 2018 to December 31, 2018

Number of customers participating: 25

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$5,270.

Program Progress Summary: Through this reporting period 2,323 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, 2018 to December 31, 2018

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$3,931,879.

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, 2018 to December 31, 2018

Number of customers participating: 6

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$1,113.

Program Progress Summary: Through this reporting period 11,039 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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$0.

Program Progress Summary: Through this reporting period 1,512 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, 2018 to December 31, 2018

Net new customers participating: 1

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$17,586,339.

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: Commercial Street and Outdoor Lighting Conversion

Program Description: The Commercial Street and Outdoor Lighting Conversion program is designed to convert the company's existing metal halide and high-pressure sodium street and outdoor luminaires to light emitting diode luminaires. The program allows for the recovery of the remaining unamortized costs in rate base associated with the luminaires converted.

Program Accomplishments: January 1, 2018 to December 31, 2018

Number of luminaires retired: 31,936

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Net expenditures were \$3,795,499.

Program Progress Summary: Through this reporting period 31,936 customers have participated.

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, 2018 to December 31, 2018

Number of customers participating: 193

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$588,174.

Program Progress Summary: Through this reporting period 2,365 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, 2018 to December 31, 2018

Number of customers participating: 246

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$179,417.

Program Progress Summary: Through this reporting period 797 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, 2018 to December 31, 2018

Number of customers participating: 7

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$24,485.

Program Progress Summary: Through this reporting period 223 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, 2018 to December 31, 2018

Net new customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$7,027.

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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$281.

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, 2018 to December 31, 2018

Net new customers participating: 1

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$3,738,152.

Program Progress Summary: Through this reporting period there are 94 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, 2018 to December 31, 2018

Number of customers participating: 1

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$56,500.

Program Progress Summary: Through this reporting period two 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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$0.

Program Progress Summary: Through this reporting period two customers have participated.

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, 2018 to December 31, 2018

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$793.

Program Progress Summary: Through this reporting period zero customers have participated.

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 and as communicated to the commission the company will also provide the results of R&D activities in the company's annual DSM Report.

Program Accomplishments: January 1, 2018 to December 31, 2018

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$751.

Program Progress Summary: For 2018, Tampa Electric continued to make progress on partnering with the University of South Florida on Battery Storage. In addition, Tampa Electric finalized the commercial low-income weatherization analysis for the potential Low Income Commercial Weatherization program. Tampa Electric continues to research the addition of heat pump water heaters within the Energy Planner program.

Program Description and Progress

Program Title: Renewable Energy Program

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, 2018 to December 31, 2018

Year-end customers participating:	1,500
Number of net customers participating:	-100
Blocks of energy purchased:	2,142
One-time blocks of energy sold:	702

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$21,777.
Actual program revenues were \$136,375.

Program Progress Summary: Through this reporting period 46,209 monthly and one-time blocks of renewable energy have been purchased.

Program Description and Progress

Program Title: Common Expenses

Program Description: These are expenses common to all programs.

Program Accomplishments: January 1, 2018 to December 31, 2018

N/A

Program Fiscal Expenditures: January 1, 2018 to December 31, 2018

Actual expenses were \$747,250.

Program Progress Summary: N/A

CONSERVATION COSTS
PROJECTED

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FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 15
PARTY: TAMPA ELECTRIC COMPANY (TECO)
– (DIRECT)
DESCRIPTION: Mark R. Roche MRR-2

TAMPA ELECTRIC COMPANY
 CALCULATION OF ENERGY & DEMAND ALLOCATION % BY RATE CLASS
 JANUARY 2020 THROUGH DECEMBER 2020
 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	54.99%	9,587,607	1,990	1.08045	1.05238	10,089,768	2,150	49.25%	56.99%	56.40%
GS, TS	62.24%	984,036	180	1.08045	1.05236	1,035,556	195	5.05%	5.17%	5.16%
GSD Optional	4.71%	508,686	77	1.07575	1.04878	533,502	83	2.60%	2.20%	2.23%
GSD, SBF Standard	70.76%	7,637,641	1,155	1.07575	1.04878	8,010,233	1,243	39.09%	32.94%	33.41%
IS	79.71%	649,419	93	1.02851	1.01705	660,489	96	3.22%	2.54%	2.59%
LS1	333.63%	154,170	5	1.08045	1.05238	162,245	6	0.79%	0.16%	0.21%
TOTAL		19,521,559	3,501			20,491,793	3,773	100%	100%	100%

- (1) AVG 12 CP load factor based on projected 2019 calendar data.
- (2) Projected MWH sales for the period Jan. 2020 thru Dec. 2020
- (3) Calculated: Col (2) / (8760*Col (1)).
- (4) Based on 2019 projected demand losses.
- (5) Based on 2019 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

C-1

TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Summary of Cost Recovery Clause Calculation
 For Months January 2020 through December 2020

1. Total Incremental Cost (C-2, Page 1, Line 17)	49,240,525
2. Demand Related Incremental Costs	29,205,177
3. Energy Related Incremental Costs	20,035,348

RETAIL BY RATE CLASS

	<u>RS</u>	<u>GS,CS</u>	<u>GSD, SBF STANDARD</u>	<u>GSD OPTIONAL</u>	<u>IS</u>	<u>LS1</u>	<u>Total</u>
4. Demand Allocation Percentage	56.40%	5.16%	33.41%	2.23%	2.59%	0.21%	100.00%
5. Demand Related Incremental Costs (Total cost prorated based on demand allocation % above)	16,471,720	1,506,987	9,757,450	651,275	756,414	61,331	<u>29,205,177</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>(2,264,705)</u>	<u>(207,196)</u>	<u>(1,341,557)</u>	<u>(89,544)</u>	<u>(104,000)</u>	<u>(8,432)</u>	<u>(4,015,435)</u>
7. Total Demand Related Incremental Costs	<u>14,207,014</u>	<u>1,299,791</u>	<u>8,415,893</u>	<u>561,731</u>	<u>652,414</u>	<u>52,898</u>	<u>25,189,742</u>
8. Energy Allocation Percentage	49.25%	5.05%	39.09%	2.60%	3.22%	0.79%	100.00%
9. Net Energy Related Incremental Costs	9,867,409	1,011,785	7,831,818	520,919	645,138	158,279	<u>20,035,348</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>(1,825,479)</u>	<u>(187,181)</u>	<u>(1,448,893)</u>	<u>(96,370)</u>	<u>(119,351)</u>	<u>(29,282)</u>	<u>(3,706,556)</u>
11. Total Net Energy Related Incremental Costs	<u>8,041,930</u>	<u>824,604</u>	<u>6,382,925</u>	<u>424,549</u>	<u>525,787</u>	<u>128,997</u>	<u>16,328,792</u>
12. Total Incremental Costs (Line 5 + 9)	26,339,129	2,518,772	17,589,267	1,172,194	1,401,552	219,610	49,240,525
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>(4,090,184)</u>	<u>(394,378)</u>	<u>(2,790,450)</u>	<u>(185,915)</u>	<u>(223,351)</u>	<u>(37,714)</u>	<u>(7,721,991)</u>
14. Total (Line 12 + 13)	<u>22,248,945</u>	<u>2,124,395</u>	<u>14,798,818</u>	<u>986,280</u>	<u>1,178,201</u>	<u>181,896</u>	<u>41,518,534</u>
15. Retail MWH Sales	9,587,607	984,036	7,637,641	508,686	649,419	154,170	19,521,559
16. Effective MWH at Secondary	9,587,607	984,036	7,637,641	508,686	649,419	154,170	19,521,559
17. Projected Billed KW at Meter	*	*	17,722,132	*	1,611,184	*	
18. Cost per KWH at Secondary (Line 14/Line 16)	0.23206	0.21589	*	0.19389	*	0.11798	
19. Revenue Tax Expansion Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	
20. Adjustment Factor Adjusted for Taxes	0.2322	0.2160	*	0.1940	*	0.1181	
21. Conservation Adjustment Factor (cents/KWH)							
<u>RS, GS, CS, GSD Optional and LS1 Rates (cents/KWH) *</u>							
- Secondary	<u>0.232</u>	<u>0.216</u>		<u>0.194</u>		<u>0.118</u>	
- Primary				<u>0.192</u>			
- Subtransmission				<u>0.190</u>			
<u>GSD, SBF, IS Standard Rates (\$/KW) *</u>							
<u>Full Requirement</u>							
- Secondary	*	*	<u>0.84</u>	*	<u>0.73</u>	*	
- Primary	*	*	<u>0.83</u>	*	<u>0.72</u>	*	
- Subtransmission	*	*	<u>0.82</u>	*	<u>0.72</u>	*	

* (ROUNDED TO NEAREST .001 PER KWH or KW)

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000359 Residential Walk-Through Energy Audit	146,519	147,469	147,194	146,219	185,860	151,146	175,123	159,159	160,423	156,902	147,214	186,808	1,910,036
12000353 - 12000355 Residential Customer Assisted Audit	583	583	683	583	583	583	398,583	583	583	683	583	583	405,196
12000357, 12000369 Residential Computer Assisted Audit	0	0	789	0	789	300	0	0	789	0	0	0	2,667
12000381 Residential Ceiling Insulation	17,970	15,333	15,083	14,633	17,189	19,746	19,746	19,746	19,746	17,189	14,633	12,078	203,092
12000391 Residential Duct Repair	12,002	11,971	11,671	11,221	11,221	11,271	11,221	11,221	11,221	11,321	11,271	11,221	136,833
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	220	0	220
12000375 Energy Education, Awareness and Agency Outreach	14,633	14,624	14,615	13,606	13,597	13,588	13,578	14,966	14,560	14,551	13,542	13,533	169,393
12004152 Energy Star Multi-Family	0	0	0	0	0	0	0	0	114,486	0	0	0	114,486
12000431 Energy Star for New Homes	130,294	130,294	130,294	131,857	130,294	130,294	130,294	130,294	133,094	130,294	131,094	130,294	1,568,691
12000349 Residential Heating and Cooling	33,621	40,693	44,111	50,741	50,711	54,304	54,304	54,304	50,711	43,586	37,107	30,041	544,234
12000425 Neighborhood Weatherization	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	263,920	3,167,040
12000433 Energy Planner	369,169	258,391	262,377	257,268	256,610	259,863	260,387	258,617	256,850	261,480	265,036	257,843	3,223,891
12000365 Residential Wall Insulation	0	149	0	116	0	116	0	0	116	0	116	0	613
12000367 Residential Window Replacement	63,184	63,103	62,853	62,403	62,403	62,403	62,403	62,403	62,403	62,403	62,403	62,403	750,767
12000351 Prime Time	5,133	1,133	1,133	1,133	5,133	1,133	1,133	1,133	5,133	1,133	1,133	1,133	25,596
12000363 Commercial/Industrial Audit (Free)	40,224	36,374	37,974	37,374	36,874	35,724	37,374	37,374	36,874	36,274	36,374	35,374	444,188
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	0	991	0	991	0	991	991	0	0	991	0	4,955
12000397 Commercial Ceiling Insulation	1,024	0	1,024	0	1,024	0	1,024	0	1,024	0	1,024	0	6,144
12000411 Commercial Chiller	3,749	0	3,749	3,749	3,749	3,749	0	3,749	3,749	3,749	0	0	29,992
12000371 Cogeneration	3,341	3,341	3,341	3,266	3,266	3,266	3,266	3,266	3,266	3,266	3,266	3,266	39,417
12000389 Conservation Value	0	0	0	0	0	0	284	51,799	0	0	0	0	52,083
12000443 Cool Roof	24,339	14,339	34,339	34,339	24,339	14,339	14,339	14,339	14,339	24,339	24,339	14,339	252,068
12000429 Commercial Cooling	469	0	0	469	0	0	469	469	0	0	0	469	2,345
12000409 Demand Response	333,520	332,020	332,020	333,520	332,020	332,020	332,020	333,020	333,520	332,020	332,020	332,020	3,989,740
12000377 Commercial Duct Repair	247	0	247	0	247	0	0	0	247	0	247	0	1,235

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

ESTIMATED

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
12000441 Commercial ECM	0	579	0	0	579	1,073	0	0	1,610	579	0	1,232	5,652
12000379 Industrial Load Management (GLSM 2&3)	1,610,376	1,610,376	1,610,376	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,606,372	1,607,085	19,289,189
12004386 LED Street and Outdoor Conversion Program	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	560,364	6,724,368
12000385 Lighting Conditioned Space	31,526	41,037	31,526	283,048	289,105	22,015	12,503	22,015	32,026	31,526	13,003	31,526	840,856
12003201 Lighting Non-Conditioned Space	259,734	11,015	15,026	9,410	12,015	7,003	7,003	11,015	9,910	7,003	7,503	9,410	366,047
12000413 Lighting Occupancy Sensors	1,607	99	99	853	1,607	853	853	1,607	853	853	99	853	10,236
12000383 CILM (GLSM 1)	282	282	282	1,227	1,227	1,227	1,227	1,227	1,227	1,227	282	282	9,999
12000415 Refrigeration Anti-condensate Control	1,707	0	0	0	0	0	1,707	0	0	0	0	0	3,414
12000387 Standby Generator	317,951	319,851	319,851	321,451	321,451	325,051	324,651	324,651	324,651	324,651	324,651	324,651	3,873,512
12003202 Thermal Energy Storage	130	130	130	130	130	130	130	130	251,906	130	130	130	253,336
12000399 Commercial Wall Insulation	0	0	0	0	0	2,082	0	0	0	0	0	0	2,082
12000417 Commercial Water Heating	2,174	0	0	0	2,174	0	0	0	0	0	0	2,174	6,522
12000427 Conservation Research and Development	56,932	1,724	1,932	1,724	1,724	56,932	1,724	1,724	1,932	1,724	56,932	1,724	186,728
12000393 Renewable Energy Program	3,963	(7,012)	(6,537)	(7,237)	242,788	(7,237)	(6,537)	(7,012)	(7,037)	(6,737)	(7,237)	(7,037)	177,130
12000347 Common Expenses	50,569	62,483	49,952	51,455	48,423	53,183	51,011	48,996	50,025	57,028	48,996	51,541	623,662
Total All Programs	<u>4,361,256</u>	<u>3,934,665</u>	<u>3,951,409</u>	<u>4,195,214</u>	<u>4,488,779</u>	<u>3,986,813</u>	<u>4,341,467</u>	<u>3,992,442</u>	<u>4,320,893</u>	<u>3,947,830</u>	<u>3,957,628</u>	<u>3,939,260</u>	<u>49,417,655</u>
Less Renewable Energy Expenses	<u>3,963</u>	<u>(7,012)</u>	<u>(6,537)</u>	<u>(7,237)</u>	<u>242,788</u>	<u>(7,237)</u>	<u>(6,537)</u>	<u>(7,012)</u>	<u>(7,037)</u>	<u>(6,737)</u>	<u>(7,237)</u>	<u>(7,037)</u>	<u>177,130</u>
Total Recoverable Conservation Expenses	<u>4,357,293</u>	<u>3,941,677</u>	<u>3,957,946</u>	<u>4,202,451</u>	<u>4,245,991</u>	<u>3,994,050</u>	<u>4,341,467</u>	<u>3,999,454</u>	<u>4,327,930</u>	<u>3,954,567</u>	<u>3,964,865</u>	<u>3,946,297</u>	<u>49,240,525</u>
Summary of Demand & Energy													
Energy	1,851,696	1,509,704	1,530,616	1,776,287	2,069,197	1,536,021	1,919,503	1,571,370	1,895,586	1,522,311	1,507,688	1,518,535	20,035,348
Demand	<u>2,505,597</u>	<u>2,424,961</u>	<u>2,420,793</u>	<u>2,418,927</u>	<u>2,419,582</u>	<u>2,450,792</u>	<u>2,421,964</u>	<u>2,421,072</u>	<u>2,425,307</u>	<u>2,425,519</u>	<u>2,449,940</u>	<u>2,420,725</u>	<u>29,205,177</u>
Total Recoverable Conserv. Expenses	<u>4,357,293</u>	<u>3,941,677</u>	<u>3,951,409</u>	<u>4,195,214</u>	<u>4,488,779</u>	<u>3,986,813</u>	<u>4,341,467</u>	<u>3,992,442</u>	<u>4,320,893</u>	<u>3,947,830</u>	<u>3,957,628</u>	<u>3,939,260</u>	<u>49,240,525</u>

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

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
12000359 Residential Walk-Through Energy Audit	0	1,187,060	11,000	0	557,771	0	122,800	31,405	0	1,910,036
12000353- 12000355 Residential Customer Assisted Audit	0	6,996	0	0	0	0	0	398,200	0	405,196
12000357, 12000369 Residential Computer Assisted Audit	0	2,412	0	0	0	0	0	300	(45)	2,667
12000381 Residential Ceiling Insulation	0	55,921	0	0	0	145,000	240	1,931	0	203,092
12000391 Residential Duct Repair	0	35,052	0	0	0	99,000	600	2,181	0	136,833
12000419 Residential Electronically Commutated Motors	0	0	0	105	0	115	0	0	0	220
12000375 Energy Education, Awareness and Agency Outreach	21,756	115,261	3,600	15,576	0	0	2,400	10,800	0	169,393
12004152 Energy Star Multi-Family	0	736	0	0	0	113,750	0	0	0	114,486
12000431 Energy Star for New Homes	0	32,808	0	0	1,563	1,530,000	480	3,840	0	1,568,691
12000349 Residential Heating and Cooling	0	77,782	0	0	0	462,375	360	3,717	0	544,234
12000425 Neighborhood Weatherization	0	638,580	348,600	0	0	2,173,500	6,120	240	0	3,167,040
12000433 Energy Planner	1,021,791	985,692	23,290	529,460	458,500	0	45,168	159,990	0	3,223,891
12000365 Residential Wall Insulation	0	63	0	0	0	550	0	0	0	613
12000367 Residential Window Replacement	0	60,516	0	0	0	687,600	480	2,171	0	750,767
12000351 Prime Time	0	12,696	0	12,000	0	0	0	900	0	25,596
12000363 Commercial/Industrial Audit (Free)	0	370,284	3,200	0	50,004	0	3,000	17,700	0	444,188
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	2,430	0	2,500	0	0	400	0	(375)	4,955
12000397 Commercial Ceiling Insulation	0	1,344	0	0	0	4,500	300	0	0	6,144
12000411 Commercial Chiller	0	1,792	0	0	0	28,000	200	0	0	29,992
12000371 Cogeneration	0	38,892	0	0	0	0	525	0	0	39,417
12000389 Conservation Value	0	1,491	0	542	0	50,000	50	0	0	52,083
12000443 Cool Roof	0	51,468	0	0	0	200,000	600	0	0	252,068

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Estimated For Months January 2020 through December 2020

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
12000429 Commercial Cooling	0	1,120	0	0	0	1,100	125	0	0	2,345
12000409 Demand Response	0	23,340	0	0	0	3,960,000	900	5,500	0	3,989,740
12000377 Commercial Duct Repair	0	485	0	0	0	750	0	0	0	1,235
12000441 Commercial ECM	0	1,412	0	0	0	4,200	40	0	0	5,652
12000379 Industrial Load Management (GLSM 2&3)	0	28,139	0	0	0	19,260,000	1,050	0	0	19,289,189
12004386 LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	6,925,968	(201,600)	6,724,368
12000385 Lighting Conditioned Space	0	75,456	0	0	0	762,500	600	2,300	0	840,856
12003201 Lighting Non-Conditioned Space	0	59,747	0	0	0	303,400	600	2,300	0	366,047
12000413 Lighting Occupancy Sensors	0	1,836	0	0	0	8,400	0	0	0	10,236
12000383 CILM (GLSM 1)	0	624	0	0	0	6,615	0	2,760	0	9,999
12000415 Refrigeration Anti-condensate Control	0	364	0	0	0	3,000	50	0	0	3,414
12000387 Standby Generator	0	58,812	6,000	150,000	0	3,635,200	600	22,900	0	3,873,512
12003202 Thermal Energy Storage	0	2,694	0	592	0	250,000	50	0	0	253,336
12000399 Commercial Wall Insulation	0	32	0	0	0	0	0	2,050	0	2,082
12000417 Commercial Water Heating	0	447	0	0	0	6,000	75	0	0	6,522
12000427 Conservation Research and Development	0	4,928	165,000	16,800	0	0	0	0	0	186,728
12000393 Renewable Energy Program	0	13,880	1,500	260,000	0	0	75	1,000	(99,325)	177,130
12000347 Common Expenses	0	464,413	200	55,989	0	0	0	103,060	0	623,662
Total All Programs	<u>1,043,547</u>	<u>4,417,005</u>	<u>562,390</u>	<u>1,043,564</u>	<u>1,067,838</u>	<u>33,695,555</u>	<u>187,888</u>	<u>7,701,213</u>	<u>(301,345)</u>	<u>49,417,655</u>
Less Renewable Energy Expenses	<u>0</u>	<u>13,880</u>	<u>1,500</u>	<u>260,000</u>	<u>0</u>	<u>0</u>	<u>75</u>	<u>1,000</u>	<u>(99,325)</u>	<u>177,130</u>
Total Recoverable Conservation Expenses	<u>1,043,547</u>	<u>4,403,125</u>	<u>560,890</u>	<u>783,564</u>	<u>1,067,838</u>	<u>33,695,555</u>	<u>187,813</u>	<u>7,700,213</u>	<u>(202,020)</u>	<u>49,240,525</u>
<u>Summary of Demand & Energy</u>										
Energy	532,651	3,551,997	460,645	320,439	838,588	6,833,740	162,679	7,536,628	(202,020)	20,035,347
Demand	<u>510,896</u>	<u>851,128</u>	<u>100,245</u>	<u>463,125</u>	<u>229,250</u>	<u>26,861,815</u>	<u>25,134</u>	<u>163,585</u>	<u>0</u>	<u>29,205,177</u>
Total All Programs	<u>1,043,547</u>	<u>4,403,125</u>	<u>560,890</u>	<u>783,564</u>	<u>1,067,838</u>	<u>33,695,555</u>	<u>187,813</u>	<u>7,700,213</u>	<u>(202,020)</u>	<u>49,240,524</u>

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
Estimated For Months January 2020 through December 2020

PRICE RESPONSIVE LOAD MANAGEMENT

	Beginning of Period	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Investment		103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	103,879	1,246,543
2. Retirements		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
3. Depreciation Base		4,384,204	4,368,739	4,310,237	4,258,888	4,205,715	4,191,722	4,145,358	4,193,757	4,193,807	4,243,076	4,210,469	4,277,969	
4. Depreciation Expense		<u>73,523</u>	<u>72,941</u>	<u>72,325</u>	<u>71,409</u>	<u>70,538</u>	<u>69,979</u>	<u>69,476</u>	<u>69,493</u>	<u>69,896</u>	<u>70,307</u>	<u>70,446</u>	<u>70,737</u>	<u>851,070</u>
5. Cumulative Investment	4,438,555	4,384,204	4,368,739	4,310,237	4,258,888	4,205,715	4,191,722	4,145,358	4,193,757	4,193,807	4,243,076	4,210,469	4,277,969	4,277,969
6. Less: Accumulated Depreciation	2,434,768	<u>2,350,062</u>	<u>2,303,659</u>	<u>2,213,603</u>	<u>2,129,785</u>	<u>2,043,272</u>	<u>1,995,379</u>	<u>1,914,613</u>	<u>1,928,626</u>	<u>1,894,693</u>	<u>1,910,390</u>	<u>1,844,351</u>	<u>1,878,710</u>	<u>1,878,710</u>
7. Net Investment	<u>2,003,787</u>	<u>2,034,142</u>	<u>2,065,080</u>	<u>2,096,634</u>	<u>2,129,103</u>	<u>2,162,443</u>	<u>2,196,343</u>	<u>2,230,745</u>	<u>2,265,131</u>	<u>2,299,114</u>	<u>2,332,686</u>	<u>2,366,118</u>	<u>2,399,259</u>	<u>2,399,259</u>
8. Average Investment		2,018,965	2,049,611	2,080,857	2,112,869	2,145,773	2,179,393	2,213,544	2,247,938	2,282,123	2,315,900	2,349,402	2,382,689	
9. Return on Average Investment - Equity Component		10,144	10,298	10,455	10,616	10,781	10,950	11,122	11,295	11,466	11,636	11,804	11,972	132,539
10. Return on Average Investment - Debt Component		<u>2,922</u>	<u>2,967</u>	<u>3,012</u>	<u>3,058</u>	<u>3,106</u>	<u>3,154</u>	<u>3,204</u>	<u>3,254</u>	<u>3,303</u>	<u>3,352</u>	<u>3,401</u>	<u>3,449</u>	<u>38,182</u>
11. Total Depreciation and Return		<u>86,589</u>	<u>86,206</u>	<u>85,792</u>	<u>85,083</u>	<u>84,425</u>	<u>84,083</u>	<u>83,802</u>	<u>84,042</u>	<u>84,665</u>	<u>85,295</u>	<u>85,651</u>	<u>86,158</u>	<u>1,021,791</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Estimated For Months January 2020 through December 2020
 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		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
11. Total Depreciation and Return		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7369% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return

Estimated For Months January 2020 through December 2020

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	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		84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>16,872</u>
5. Cumulative Investment	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	13,029	<u>14,435</u>	<u>15,841</u>	<u>17,247</u>	<u>18,653</u>	<u>20,059</u>	<u>21,465</u>	<u>22,871</u>	<u>24,277</u>	<u>25,683</u>	<u>27,089</u>	<u>28,495</u>	<u>29,901</u>	<u>29,901</u>
7. Net Investment	<u>71,335</u>	<u>69,929</u>	<u>68,523</u>	<u>67,117</u>	<u>65,711</u>	<u>64,305</u>	<u>62,899</u>	<u>61,493</u>	<u>60,087</u>	<u>58,681</u>	<u>57,275</u>	<u>55,869</u>	<u>54,463</u>	<u>54,463</u>
8. Average Investment		70,632	69,226	67,820	66,414	65,008	63,602	62,196	60,790	59,384	57,978	56,572	55,166	
9. Return on Average Investment - Equity Component		355	348	341	334	327	320	312	305	298	291	284	277	3,792
10. Return on Average Investment - Debt Component		<u>102</u>	<u>100</u>	<u>98</u>	<u>96</u>	<u>94</u>	<u>92</u>	<u>90</u>	<u>88</u>	<u>86</u>	<u>84</u>	<u>82</u>	<u>80</u>	<u>1,092</u>
11. Total Depreciation and Return		<u>1,863</u>	<u>1,854</u>	<u>1,845</u>	<u>1,836</u>	<u>1,827</u>	<u>1,818</u>	<u>1,808</u>	<u>1,799</u>	<u>1,790</u>	<u>1,781</u>	<u>1,772</u>	<u>1,763</u>	<u>21,756</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7369% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Estimated For Months January 2020 through December 2020
 COMMERCIAL 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		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
11. Total Depreciation and Return		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NOTES:

Note: Depreciation expense is calculated using a useful life of 60 months.
 Line 9 x 6.0293% x 1/12 (Jan-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
 Line 10 x 1.7369% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000359 Residential Walk-Through Energy Audit										
Actual	0	435,796	6,198	0	82,631	0	32,971	8,789	0	566,385
Projected	0	689,219	3,000	0	314,934	0	36,200	18,820	0	1,062,173
Total	0	1,125,015	9,198	0	397,565	0	69,171	27,609	0	1,628,558
12000353-12000355 Residential Customer Assisted Audit										
Actual	0	3,001	0	0	20,333	0	0	49	0	23,383
Projected	0	3,498	0	0	0	0	0	398,100	0	401,598
Total	0	6,499	0	0	20,333	0	0	398,149	0	424,981
12000357, 12000369 Residential Computer Assisted Audit										
Actual	0	0	269	0	0	0	0	0	0	269
Projected	0	804	0	0	0	0	0	350	(15)	1,139
Total	0	804	269	0	0	0	0	350	(15)	1,408
12000381 Residential Ceiling Insulation										
Actual	0	25,981	34	0	0	64,777	239	934	0	91,965
Projected	0	27,848	0	0	0	70,000	180	60	0	98,088
Total	0	53,829	34	0	0	134,777	419	994	0	190,053
12000391 Residential Duct Repair										
Actual	0	21,024	34	0	0	103,455	598	620	0	125,731
Projected	0	17,720	0	0	0	56,100	510	220	0	74,550
Total	0	38,744	34	0	0	159,555	1,108	840	0	200,281
12000419 Residential Electronically Commutated Motors										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	0	0	105	0	115	0	0	0	220
Total	0	0	0	105	0	115	0	0	0	220
12000375 Energy Education, Awareness and Agency Outreach										
Actual	2,987	10,071	416	6,900	0	0	0	7,580	0	27,954
Projected	7,820	62,640	1,800	7,830	0	0	1,200	2,100	0	83,390
Total	10,807	72,711	2,216	14,730	0	0	1,200	9,680	0	111,344
12004152 Energy Star Multi-Family										
Actual	0	0	0	0	0	0	0	1,010	0	1,010
Projected	0	678	0	0	0	81,250	0	0	0	81,928
Total	0	678	0	0	0	81,250	0	1,010	0	82,938
12000431 Energy Star for New Homes										
Actual	0	14,602	0	0	0	436,900	59	2,367	0	453,928
Projected	0	14,988	0	0	0	382,500	150	3,720	0	401,358
Total	0	29,590	0	0	0	819,400	209	6,087	0	855,286
12000349 Residential Heating and Cooling										
Actual	0	41,245	0	0	0	229,500	87	764	0	271,596
Projected	0	38,640	0	0	0	229,500	150	1,765	0	270,055
Total	0	79,885	0	0	0	459,000	237	2,529	0	541,651

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000425 Neighborhood Weatherization										
Actual	0	111,126	81,862	350,750	0	783,235	956	2,124	0	1,330,053
Projected	0	<u>316,795</u>	<u>174,780</u>	<u>10,790</u>	0	<u>1,197,816</u>	<u>3,060</u>	<u>1,215</u>	0	<u>1,704,456</u>
Total	0	427,921	256,642	361,540	0	1,981,051	4,016	3,339	0	3,034,509
12000433 Energy Planner										
Actual	593,962	362,466	13,026	267,763	82,631	0	22,434	56,559	0	1,398,841
Projected	<u>538,322</u>	<u>476,562</u>	<u>16,250</u>	<u>211,230</u>	<u>224,358</u>	0	<u>22,584</u>	<u>80,900</u>	0	<u>1,570,206</u>
Total	1,132,284	839,028	29,276	478,993	306,989	0	45,018	137,459	0	2,969,047
12000365 Residential Wall Insulation										
Actual	0	92	0	0	0	27	0	0	0	119
Projected	0	<u>18</u>	0	0	0	<u>330</u>	0	0	0	<u>348</u>
Total	0	110	0	0	0	357	0	0	0	467
12000367 Residential Window Replacement										
Actual	0	44,772	0	0	0	366,163	353	713	0	412,001
Projected	0	<u>29,838</u>	0	0	0	<u>341,100</u>	<u>120</u>	<u>120</u>	0	<u>371,178</u>
Total	0	74,610	0	0	0	707,263	473	833	0	783,179
12000351 Prime Time										
Actual	0	3,470	0	7,804	0	0	0	0	0	11,274
Projected	0	<u>1,554</u>	0	<u>4,000</u>	0	0	0	<u>450</u>	0	<u>6,004</u>
Total	0	5,024	0	11,804	0	0	0	450	0	17,278
12000363 Commercial/Industrial Audit (Free)										
Actual	0	138,910	4,468	(421)	4,158	0	1,320	4,188	0	152,623
Projected	0	<u>182,496</u>	<u>1,600</u>	0	<u>42,852</u>	0	<u>1,937</u>	<u>7,730</u>	0	<u>236,615</u>
Total	0	321,406	6,068	(421)	47,010	0	3,257	11,918	0	389,238
12000361 Comprehensive Commercial/Industrial Audit (Paid)										
Actual	0	0	0	0	750	0	0	0	0	750
Projected	0	<u>486</u>	0	<u>500</u>	0	0	<u>80</u>	0	(75)	<u>991</u>
Total	0	486	0	500	750	0	80	0	(75)	1,741
12000397 Commercial Ceiling Insulation										
Actual	0	90	0	0	0	1,504	0	0	0	1,594
Projected	0	<u>632</u>	0	0	0	<u>2,700</u>	<u>100</u>	0	0	<u>3,432</u>
Total	0	722	0	0	0	4,204	100	0	0	5,026
12000411 Commercial Chiller										
Actual	0	60	0	0	0	28,455	0	0	0	28,515
Projected	0	<u>633</u>	0	0	0	<u>10,500</u>	<u>75</u>	0	0	<u>11,208</u>
Total	0	693	0	0	0	38,955	75	0	0	39,723
12000371 Cogeneration										
Actual	0	20,264	0	0	0	0	0	0	0	20,264
Projected	0	<u>22,560</u>	0	0	0	0	<u>150</u>	0	0	<u>22,710</u>
Total	0	42,824	0	0	0	0	150	0	0	42,974

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000389 Conservation Value										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	1,232	0	0	0	0	25	0	0	1,257
Total	0	1,232	0	0	0	0	25	0	0	1,257
12000443 Cool Roof										
Actual	0	12,258	0	0	0	49,351	33	0	0	61,642
Projected	0	25,734	0	0	0	80,000	300	0	0	106,034
Total	0	37,992	0	0	0	129,351	333	0	0	167,676
12000429 Commercial Cooling										
Actual	0	51	0	0	0	65	0	0	0	116
Projected	0	604	0	0	0	660	75	0	0	1,339
Total	0	655	0	0	0	725	75	0	0	1,455
12000409 Demand Response										
Actual	0	3,680	0	0	0	1,910,905	165	524	0	1,915,274
Projected	0	15,558	0	0	0	1,980,000	450	2,500	0	1,998,508
Total	0	19,238	0	0	0	3,890,905	615	3,024	0	3,913,782
12000377 Commercial Duct Repair										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	280	0	0	0	450	0	0	0	730
Total	0	280	0	0	0	450	0	0	0	730
12000441 Commercial ECM										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	881	0	0	0	2,520	20	0	0	3,421
Total	0	881	0	0	0	2,520	20	0	0	3,421
12000379 Industrial Load Management (GLSM 2&3)										
Actual	0	6,620	24,910	792	0	9,056,713	13,736	12,998	0	9,115,769
Projected	0	8,495	0	0	0	9,600,000	450	0	0	9,608,945
Total	0	15,115	24,910	792	0	18,656,713	14,186	12,998	0	18,724,714
12004386 LED Street and Outdoor Conversion Program										
Actual	0	0	0	0	0	0	0	2,493,752	(61,149)	2,432,604
Projected	0	0	0	0	0	0	0	2,973,102	(80,000)	2,893,102
Total	0	0	0	0	0	0	0	5,466,854	(141,149)	5,325,706
12000385 Lighting Conditioned Space										
Actual	0	35,820	0	0	0	1,550,166	548	546	0	1,587,080
Projected	0	45,816	0	0	0	798,000	300	1,150	0	845,266
Total	0	81,636	0	0	0	2,348,166	848	1,696	0	2,432,346

TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12003201 Lighting Non-Conditioned Space										
Actual	0	25,071	0	0	0	32,323	61	104	0	57,559
Projected	0	44,279	0	0	0	272,800	300	1,150	0	318,529
Total	0	69,350	0	0	0	305,123	361	1,254	0	376,088
12000413 Lighting Occupancy Sensors										
Actual	0	90	0	0	0	6,400	0	0	0	6,490
Projected	0	978	0	0	0	4,200	0	0	0	5,178
Total	0	1,068	0	0	0	10,600	0	0	0	11,668
12000383 CILM (GLSM 1)										
Actual	0	341	0	0	0	2,835	0	0	0	3,176
Projected	0	4,798	0	41,380	0	3,780	0	1,380	0	51,338
Total	0	5,139	0	41,380	0	6,615	0	1,380	0	54,514
12000415 Refrigeration Anti-condensate Control										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	211	0	0	0	1,500	25	0	0	1,736
Total	0	211	0	0	0	1,500	25	0	0	1,736
12000387 Standby Generator										
Actual	0	18,336	2,812	100,023	0	1,735,931	117	12,216	0	1,869,435
Projected	0	26,718	3,000	47,400	0	1,796,000	300	13,400	0	1,886,818
Total	0	45,054	5,812	147,423	0	3,531,931	417	25,616	0	3,756,253
12003202 Thermal Energy Storage										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	1,914	0	1,184	0	250,000	100	99	0	253,297
Total	0	1,914	0	1,184	0	250,000	100	99	0	253,297
12000399 Commercial Wall Insulation										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating										
Actual	0	0	0	0	0	0	0	0	0	0
Projected	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
12000427 Conservation Research and Development										
Actual	0	650	0	0	0	0	32	0	0	682
Projected	0	14,653	118,000	44,200	0	0	0	0	0	176,853
Total	0	15,303	118,000	44,200	0	0	32	0	0	177,535

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TAMPA ELECTRIC COMPANY
Conservation Program Costs

Actual for Months January 2019 through June 2019
Projected for Months July 2019 through December 2019

Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicle	Other	Program Revenues	Total
12000393 Renewable Energy Program										
Actual	0	5,158	0	322,756	0	0	0	124	(78,070)	249,968
Projected	<u>0</u>	<u>10,650</u>	<u>500</u>	<u>135,000</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>200</u>	<u>(74,738)</u>	<u>71,662</u>
Total	0	15,808	500	457,756	0	0	50	324	(152,808)	321,630
12000347 Common Expenses										
Actual	0	157,655	91	48,922	0	0	0	62,930	0	269,598
Projected	<u>0</u>	<u>175,993</u>	<u>0</u>	<u>38,562</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>43,780</u>	<u>0</u>	<u>258,335</u>
Total	0	333,648	91	87,484	0	0	0	106,710	0	527,933
Total All Programs	<u>1,143,091</u>	<u>3,765,103</u>	<u>453,050</u>	<u>1,647,470</u>	<u>772,647</u>	<u>33,520,526</u>	<u>142,600</u>	<u>6,221,202</u>	<u>(294,047)</u>	<u>47,371,643</u>
Less Renewable Energy	<u>0</u>	<u>15,808</u>	<u>500</u>	<u>457,756</u>	<u>0</u>	<u>0</u>	<u>50</u>	<u>324</u>	<u>(152,808)</u>	<u>321,630</u>
Total Conservation Expense	<u>1,143,091</u>	<u>3,749,295</u>	<u>452,550</u>	<u>1,189,714</u>	<u>772,647</u>	<u>33,520,526</u>	<u>142,550</u>	<u>6,220,878</u>	<u>(141,239)</u>	<u>47,050,013</u>

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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		107,898	60,248	52,368	64,259	29,362	19,802	102,889	102,889	102,889	102,889	102,889	102,889	951,272
2. Retirements		159,812	169,050	135,859	148,364	142,669	146,144	165,277	181,969	223,428	183,174	183,702	119,667	1,959,114
3. Depreciation Base		5,394,482	5,285,680	5,202,189	5,118,085	5,004,778	4,878,436	4,816,049	4,736,969	4,616,430	4,536,145	4,455,332	4,438,555	
4. Depreciation Expense		<u>90,341</u>	<u>89,001</u>	<u>87,399</u>	<u>86,002</u>	<u>84,357</u>	<u>82,360</u>	<u>80,787</u>	<u>79,608</u>	<u>77,945</u>	<u>76,271</u>	<u>74,929</u>	<u>74,116</u>	<u>983,116</u>
5. Cumulative Investment	5,446,396	5,394,482	5,285,680	5,202,189	5,118,085	5,004,778	4,878,436	4,816,049	4,736,969	4,616,430	4,536,145	4,455,332	4,438,555	4,438,555
6. Less: Accumulated Depreciation	3,410,766	<u>3,341,296</u>	<u>3,261,247</u>	<u>3,212,787</u>	<u>3,150,425</u>	<u>3,092,113</u>	<u>3,028,329</u>	<u>2,943,839</u>	<u>2,841,478</u>	<u>2,695,995</u>	<u>2,589,092</u>	<u>2,480,319</u>	<u>2,434,768</u>	<u>2,434,768</u>
7. Net Investment	<u>2,035,630</u>	<u>2,053,186</u>	<u>2,024,433</u>	<u>1,989,402</u>	<u>1,967,660</u>	<u>1,912,665</u>	<u>1,850,107</u>	<u>1,872,210</u>	<u>1,895,491</u>	<u>1,920,435</u>	<u>1,947,053</u>	<u>1,975,013</u>	<u>2,003,787</u>	<u>2,003,787</u>
8. Average Investment		2,044,408	2,038,810	2,006,918	1,978,531	1,940,163	1,881,386	1,861,159	1,883,851	1,907,963	1,933,744	1,961,033	1,989,400	
9. Return on Average Investment - Equity Component		9,889	9,862	9,708	9,570	9,385	9,101	9,351	9,465	9,586	9,716	9,853	9,996	115,482
10. Return on Average Investment - Debt Component		<u>2,921</u>	<u>2,913</u>	<u>2,867</u>	<u>2,827</u>	<u>2,772</u>	<u>2,688</u>	<u>2,694</u>	<u>2,727</u>	<u>2,762</u>	<u>2,799</u>	<u>2,838</u>	<u>2,879</u>	<u>33,687</u>
Total Depreciation and Return		<u>103,151</u>	<u>101,776</u>	<u>99,974</u>	<u>98,399</u>	<u>96,514</u>	<u>94,149</u>	<u>92,832</u>	<u>91,800</u>	<u>90,293</u>	<u>88,786</u>	<u>87,620</u>	<u>86,991</u>	<u>1,132,285</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Jun). Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
5. Cumulative Investment	(0)	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	(0)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	-	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	0	0	0	0	0	<u>0</u>
Total Depreciation and Return		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.
 Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
 Line 10 x 1.7144% x 1/12 (Jan-Jun). Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

ENERGY EDUCATION AWARENESS AND AGENCY OUTREACH

	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	61,000	0	0	0	61,000
2. Retirements		0	0	0	0	0	0	0	0	0	0	0	0	0
3. Depreciation Base		23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	
4. Depreciation Expense		<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>389</u>	<u>898</u>	<u>1,406</u>	<u>1,406</u>	<u>1,406</u>	<u>8,228</u>
5. Cumulative Investment	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	23,364	84,364	84,364	84,364	84,364	84,364
6. Less: Accumulated Depreciation	4,799	<u>5,188</u>	<u>5,577</u>	<u>5,966</u>	<u>6,355</u>	<u>6,744</u>	<u>7,135</u>	<u>7,524</u>	<u>7,913</u>	<u>8,811</u>	<u>10,217</u>	<u>11,623</u>	<u>13,029</u>	<u>13,029</u>
7. Net Investment	<u>18,564</u>	<u>18,176</u>	<u>17,787</u>	<u>17,398</u>	<u>17,009</u>	<u>16,620</u>	<u>16,229</u>	<u>15,840</u>	<u>15,451</u>	<u>75,553</u>	<u>74,147</u>	<u>72,741</u>	<u>71,335</u>	<u>71,335</u>
8. Average Investment		18,370	17,982	17,593	17,204	16,815	16,425	16,035	15,646	45,502	74,850	73,444	72,038	
9. Return on Average Investment - Equity Component		89	87	85	83	81	79	81	79	229	376	369	362	2,000
10. Return on Average Investment - Debt Component		<u>26</u>	<u>26</u>	<u>25</u>	<u>25</u>	<u>24</u>	<u>23</u>	<u>23</u>	<u>23</u>	<u>66</u>	<u>108</u>	<u>106</u>	<u>104</u>	<u>579</u>
Total Depreciation and Return		<u>504</u>	<u>502</u>	<u>499</u>	<u>497</u>	<u>494</u>	<u>491</u>	<u>493</u>	<u>491</u>	<u>1,193</u>	<u>1,890</u>	<u>1,881</u>	<u>1,872</u>	<u>10,807</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.

Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).

Line 10 x 1.7144% x 1/12 (Jan-Jun).Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
 Schedule of Capital Investment, Depreciation and Return
 Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

COMMERCIAL 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		0	0	0	0	0	0	0	0	0	0	0	0	
4. Depreciation Expense		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
5. Cumulative Investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Less: Accumulated Depreciation	0	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
7. Net Investment	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
8. Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	
9. Return on Average Investment - Equity Component		0	0	0	0	0	0	0	0	0	0	0	0	0
10. Return on Average Investment - Debt Component		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	0	0	0	0	0	0	<u>0</u>
Total Depreciation and Return		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NOTES:

Depreciation expense is calculated using a useful life of 60 months.
 Line 9 x 5.8046% x 1/12 (Jan-Jun). Line 9 x 6.0293% x 1/12 (Jul-Dec). Based on ROE of 10.25% and weighted income tax rate of 25.345% (expansion factor of 1.34295).
 Line 10 x 1.7144% x 1/12 (Jan-Jun). Line 10 x 1.7369% x 1/12 (Jul-Dec).

TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of True-up

Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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
12000359 Residential Walk-Through Energy Audit	64,876	107,209	92,224	88,238	109,329	104,509	187,674	172,120	170,924	169,981	160,442	201,032	1,628,558
12000353-12000355 Residential Customer Assisted Audit	555	453	213	610	20,140	1,412	398,583	583	583	683	583	583	424,981
12000357, 12000369 Residential Computer Assisted Audit	0	0	0	269	0	0	0	1,139	0	0	0	0	1,408
12000381 Residential Ceiling Insulation	21,364	13,181	15,219	14,200	13,349	14,652	19,753	19,753	17,200	14,645	14,645	12,092	190,053
12000391 Residential Duct Repair	12,540	16,166	28,671	41,613	6,348	20,394	12,973	12,973	12,973	13,073	12,973	9,585	200,281
12000419 Residential Electronically Commutated Motors	0	0	0	0	0	0	0	0	0	0	220	0	220
12000375 Energy Education, Awareness and Agency Outreach	4,626	4,418	3,178	1,569	2,841	11,322	13,023	13,023	14,117	14,420	14,408	14,399	111,344
12004152 Energy Star Multi-Family	0	0	0	0	0	1,010	81,928	0	0	0	0	0	82,938
12000431 Energy Star for New Homes	126,202	122,034	77,134	50,071	41,450	37,037	66,293	66,293	69,093	66,293	67,093	66,293	855,286
12000349 Residential Heating and Cooling	34,831	37,732	42,182	49,753	49,648	57,451	54,223	54,223	50,666	43,602	33,698	33,643	541,651
12000425 Neighborhood Weatherization	265,741	210,797	130,726	234,846	323,337	164,606	268,256	287,210	287,285	287,210	287,285	287,210	3,034,509
12000433 Energy Planner	157,409	359,462	207,187	221,303	241,951	211,528	267,296	262,804	260,557	259,110	263,434	257,005	2,969,047
12000365 Residential Wall Insulation	0	0	0	0	119	0	116	0	116	0	116	0	467
12000367 Residential Window Replacement	81,504	69,210	60,476	66,627	62,728	71,456	61,863	61,863	61,863	61,863	61,863	61,863	783,179
12000351 Prime Time	252	4,765	537	898	3,825	997	334	334	4,334	334	334	334	17,278
12000363 Commercial/Industrial Audit (Free)	32,003	23,554	18,317	28,200	22,137	28,410	38,397	39,774	40,261	39,261	39,761	39,161	389,238
12000361 Comprehensive Commercial/Industrial Audit (Paid)	0	0	0	750	0	0	0	0	0	0	991	0	1,741
12000397 Commercial Ceiling Insulation	0	0	0	1,230	364	0	0	2,271	0	1,161	0	0	5,026
12000411 Commercial Chiller	3,112	0	18,335	60	0	7,008	0	3,736	3,736	3,736	0	0	39,723
12000371 Cogeneration	5,231	4,248	2,893	3,710	2,198	1,984	3,785	3,785	3,785	3,785	3,785	3,785	42,974
12000389 Conservation Value	0	0	0	0	0	0	0	0	0	0	0	1,257	1,257
12000443 Cool Roof	18,390	2,002	2,605	4,543	1,954	32,148	14,339	14,339	14,339	24,339	24,339	14,339	167,676
12000429 Commercial Cooling	0	116	0	0	0	0	456	456	0	0	0	427	1,455
12000409 Demand Response	331,724	(91)	330,755	330,652	330,601	591,633	332,020	332,020	333,316	334,316	334,816	332,020	3,913,782
12000377 Commercial Duct Repair	0	0	0	0	0	0	0	0	0	0	243	487	730
12000441 Commercial ECM	0	0	0	0	0	0	0	0	1,610	579	0	1,232	3,421

TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of True-up

Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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
12000379 Industrial Load Management (GLSM 2&3)	1,165,492	1,517,377	1,506,055	1,595,250	1,666,947	1,664,648	1,601,372	1,601,372	1,601,372	1,601,372	1,601,372	1,602,085	18,724,714
12004386 LED Street and Outdoor Conversion Program	1,065,908	505,654	50,168	393,506	22,035	395,333	482,184	482,184	482,184	482,184	482,184	482,184	5,325,706
12000385 Lighting Conditioned Space	13,954	13,727	10,450	239,812	1,212,311	96,825	31,526	50,548	51,048	145,548	283,548	283,049	2,432,346
12003201 Lighting Non-Conditioned Space	6,252	5,173	8,983	15,880	7,731	13,539	10,859	10,859	9,760	6,861	7,361	272,829	376,088
12000413 Lighting Occupancy Sensors	0	0	0	6,490	0	0	863	1,635	863	863	91	863	11,668
12000383 CILM (GLSM 1)	0	0	0	1,074	1,157	945	47,093	1,227	1,227	1,227	282	282	54,514
12000415 Refrigeration Anti-condensate Control	0	0	0	0	0	0	1,736	0	0	0	0	0	1,736
12000387 Standby Generator	340,426	296,858	300,100	291,076	334,576	306,399	312,803	312,803	314,803	314,803	316,803	314,803	3,756,253
12003202 Thermal Energy Storage	0	0	0	0	0	0	130	130	130	871	251,906	130	253,297
12000399 Commercial Wall Insulation	0	0	0	0	0	0	0	0	0	0	0	0	0
12000417 Commercial Water Heating	0	0	0	0	0	0	0	0	0	0	0	0	0
12000427 Conservation Research and Development	0	0	0	0	106	576	38,683	31,634	101,634	1,634	1,634	1,634	177,535
12000393 Renewable Energy Program	307,984	(10,009)	(9,321)	(10,447)	(21,647)	(6,590)	(11,106)	(11,106)	23,869	(10,231)	(9,531)	89,769	321,630
12000347 Common Expenses	49,953	63,019	34,316	41,920	40,698	39,692	43,040	41,859	41,089	48,930	41,089	42,328	527,933
Total	4,110,329	3,367,054	2,931,402	3,713,705	4,496,231	3,868,924	4,380,494	3,871,843	3,974,736	3,932,452	4,297,767	4,426,702	47,371,643
Less: Included in Base Rates	0	0	0	0	0	0	0	0	0	0	0	0	0
Recoverable Conservation Expenses	<u>4,110,329</u>	<u>3,367,054</u>	<u>2,931,402</u>	<u>3,713,705</u>	<u>4,496,231</u>	<u>3,868,924</u>	<u>4,380,494</u>	<u>3,871,843</u>	<u>3,974,736</u>	<u>3,932,452</u>	<u>4,297,767</u>	<u>4,426,702</u>	<u>47,371,643</u>
Less Renewable Energy	307,984	(10,009)	(9,321)	(10,447)	(21,647)	(6,590)	(11,106)	(11,106)	23,869	(10,231)	(9,531)	89,769	321,630
Total Conservation Expenses	<u>3,802,345</u>	<u>3,377,063</u>	<u>2,940,723</u>	<u>3,724,152</u>	<u>4,517,878</u>	<u>3,875,514</u>	<u>4,391,600</u>	<u>3,882,949</u>	<u>3,950,867</u>	<u>3,942,683</u>	<u>4,307,298</u>	<u>4,336,933</u>	<u>47,050,013</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of True-up

Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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. 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>4,120,356</u>	<u>4,142,753</u>	<u>4,053,814</u>	<u>4,119,350</u>	<u>4,885,416</u>	<u>5,494,215</u>	<u>5,546,624</u>	<u>5,526,425</u>	<u>5,677,491</u>	<u>5,210,991</u>	<u>4,386,851</u>	<u>4,289,434</u>	<u>57,453,721</u>
3. Total Revenues	4,120,356	4,142,753	4,053,814	4,119,350	4,885,416	5,494,215	5,546,624	5,526,425	5,677,491	5,210,991	4,386,851	4,289,434	57,453,721
4. Prior Period True-up	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,937)</u>	<u>(466,940)</u>	<u>(5,603,247)</u>
5. Conservation Revenue Applicable to Period	3,653,419	3,675,816	3,586,877	3,652,413	4,418,479	5,027,278	5,079,687	5,059,488	5,210,554	4,744,054	3,919,914	3,822,494	51,850,474
6. Conservation Expenses (C-3, Page 4, Line 14)	<u>3,802,345</u>	<u>3,377,063</u>	<u>2,940,723</u>	<u>3,724,153</u>	<u>4,517,879</u>	<u>3,875,514</u>	<u>4,391,600</u>	<u>3,882,949</u>	<u>3,950,867</u>	<u>3,942,683</u>	<u>4,307,298</u>	<u>4,336,937</u>	<u>47,050,013</u>
7. True-up This Period (Line 5 - Line 6)	(148,926)	298,753	646,154	(71,740)	(99,400)	1,151,764	688,087	1,176,539	1,259,687	801,371	(387,384)	(514,443)	4,800,461
8. Interest Provision This Period (C-3, Page 6, Line 10)	(5,185)	(4,107)	(2,260)	(730)	50	1,995	4,789	7,774	11,227	13,884	14,784	14,843	57,065
9. True-up & Interest Provision Beginning of Period	(2,738,782)	(2,425,956)	(1,664,373)	(553,542)	(159,075)	208,512	1,829,208	2,989,021	4,640,271	6,378,122	7,660,314	7,754,651	(2,738,782)
10. Prior Period True-up Collected/(Refunded)	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,937</u>	<u>466,940</u>	<u>5,603,247</u>
11. End of Period Total - Over/(Under) Recovered	<u>(2,425,956)</u>	<u>(1,664,373)</u>	<u>(553,542)</u>	<u>(159,075)</u>	<u>208,512</u>	<u>1,829,208</u>	<u>2,989,021</u>	<u>4,640,271</u>	<u>6,378,122</u>	<u>7,660,314</u>	<u>7,754,651</u>	<u>7,721,991</u>	<u>7,721,991</u>

Previous EOP Change
 * Net of Revenue Taxes

(A) Included in Line 6

Summary of Allocation	Forecast	Ratio	True Up
Demand	27,074,648	0.52	4,015,435
Energy	<u>24,597,927</u>	<u>0.48</u>	<u>3,706,556</u>
Total	<u>51,672,575</u>	<u>1.00</u>	<u>7,721,991</u>

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TAMPA ELECTRIC COMPANY
 Energy Conservation Adjustment
 Calculation of Interest Provision

Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

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)	(\$2,738,782)	(\$2,425,956)	(\$1,664,373)	(\$553,542)	(\$159,075)	\$208,512	\$1,829,208	\$2,989,021	\$4,640,271	\$6,378,122	\$7,660,314	\$7,754,651	
2. Ending True-up Amount Before Interest (C-3, Page 5, Lines 7 + 9 + 10)	<u>(2,420,771)</u>	<u>(1,660,266)</u>	<u>(551,282)</u>	<u>(158,345)</u>	<u>208,462</u>	<u>1,827,213</u>	<u>2,984,232</u>	<u>4,632,497</u>	<u>6,366,895</u>	<u>7,646,430</u>	<u>7,739,867</u>	<u>7,707,148</u>	
3. Total Beginning & Ending True-up	<u>(\$5,159,553)</u>	<u>(\$4,086,222)</u>	<u>(\$2,215,655)</u>	<u>(\$711,887)</u>	<u>\$49,387</u>	<u>\$2,035,725</u>	<u>\$4,813,440</u>	<u>\$7,621,518</u>	<u>\$11,007,166</u>	<u>\$14,024,552</u>	<u>\$15,400,181</u>	<u>\$15,461,799</u>	
4. Average True-up Amount (50% of Line 3)	<u>(\$2,579,777)</u>	<u>(\$2,043,111)</u>	<u>(\$1,107,828)</u>	<u>(\$355,944)</u>	<u>\$24,694</u>	<u>\$1,017,863</u>	<u>\$2,406,720</u>	<u>\$3,810,759</u>	<u>\$5,503,583</u>	<u>\$7,012,276</u>	<u>\$7,700,091</u>	<u>\$7,730,900</u>	
5. Interest Rate - First Day of Month	<u>2.42000</u>	2.41000	2.41000	2.48000	2.43000	2.39000	2.32000	2.45000	2.45000	2.45000	2.30000	2.30000	
6. Interest Rate - First Day of Next Month	<u>2.41000</u>	<u>2.41000</u>	<u>2.48000</u>	<u>2.43000</u>	<u>2.39000</u>	<u>2.32000</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.30000</u>	<u>2.30000</u>	<u>2.30000</u>	
7. Total (Line 5 + Line 6)	<u>4.83000</u>	<u>4.82000</u>	<u>4.89000</u>	<u>4.91000</u>	<u>4.82000</u>	<u>4.71000</u>	<u>4.77000</u>	<u>4.90000</u>	<u>4.90000</u>	<u>4.75000</u>	<u>4.60000</u>	<u>4.60000</u>	
8. Average Interest Rate (50% of Line 7)	<u>2.41500</u>	<u>2.41000</u>	<u>2.44500</u>	<u>2.45500</u>	<u>2.41000</u>	<u>2.35500</u>	<u>2.38500</u>	<u>2.45000</u>	<u>2.45000</u>	<u>2.37500</u>	<u>2.30000</u>	<u>2.30000</u>	
9. Monthly Average Interest Rate (Line 8/12)	<u>0.00201</u>	<u>0.00201</u>	<u>0.00204</u>	<u>0.00205</u>	<u>0.00201</u>	<u>0.00196</u>	<u>0.00199</u>	<u>0.00204</u>	<u>0.00204</u>	<u>0.00198</u>	<u>0.00192</u>	<u>0.00192</u>	
10. Interest Provision (Line 4 x Line 9)	<u>(\$5,185)</u>	<u>(\$4,107)</u>	<u>(\$2,260)</u>	<u>(\$730)</u>	<u>\$50</u>	<u>\$1,995</u>	<u>\$4,789</u>	<u>\$7,774</u>	<u>\$11,227</u>	<u>\$13,884</u>	<u>\$14,784</u>	<u>\$14,843</u>	<u>\$57,065</u>

TAMPA ELECTRIC COMPANY
 Energy Conservation
 Calculation of Conservation Revenues

Actual for Months January 2019 through June 2019
 Projected for Months July 2019 through December 2019

(1) Months	(2) Firm MWH Sales	(3) Interruptible MWH Sales	(4) Clause Revenue Net of Revenue Taxes
January	1,409,524	-	4,120,356
February	1,410,848	-	4,142,753
March	1,397,135	-	4,053,814
April	1,381,922	-	4,119,350
May	1,647,400	-	4,885,416
June	1,893,508	-	5,494,215
July	1,895,777	-	5,546,624
August	1,889,610	-	5,526,425
September	1,980,493	-	5,677,491
October	1,789,875	-	5,210,991
November	1,495,445	-	4,386,851
December	1,426,702	-	4,289,430
Total	<u>19,618,238</u>	<u>0</u>	<u>57,453,717</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, 2019 to December 31, 2019

During this period, the following energy audit participation is projected:

Residential Walk-Through:	6,500
Residential Customer Assisted:	35,000
Residential Computer Assisted:	1
BERS:	0

January 1, 2020 to December 31, 2020

During this period, the following energy audit participation is projected:

Residential Walk-Through:	9,500
Residential Customer Assisted:	40,000
Residential Computer Assisted:	3
BERS:	0

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,054,947.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$2,317,899.

Program Progress Summary:

Through December 31, 2018 the following Residential Energy Audit totals are:

Residential Walk-Through:	327,797
Residential Customer Assisted ⁽¹⁾ :	150,698
Residential Computer Assisted:	3,910
<u>BERS:</u>	<u>80</u>
Total:	482,485

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, 2019 to December 31, 2019

During this period, there are 550 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 580 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$190,053.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$203,092.

Program Progress Summary:

Through December 31, 2018 the following Residential Ceiling Insulation totals are:

Residential Ceiling Insulation: 123,362

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, 2019 to December 31, 2019

During this period, there are 1,000 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$200,281.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$136,833.

Program Progress Summary:

Through December 31, 2018 the following Residential Duct Repair totals are:
Residential Duct Repair: 102,395

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, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

January 1, 2020 to December 31, 2020

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$220.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$220.

Program Progress Summary:

Through December 31, 2018 the following Residential 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, 2019 to December 31, 2019.

During this period, there are 700 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 700 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$111,344.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$169,393.

Program Progress Summary:

Through 2018, Tampa Electric has partnered with 125 local schools to present Energy Education to 40,524 students. In addition, the company gave 163 presentations to civic organizations that generated 1,190 customer assisted audits and distributed 6,835 energy saving kits to participating customers.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: ENERGY STAR FOR NEW MULTI-FAMILY RESIDENCES

Program Description: A rebate program that encourages the construction of new multi-family residences to meet the requirements to achieve the ENERGY STAR certified apartments and condominium label.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 250 multi-family residences projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 350 multi-family residences projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$82,938.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$114,486.

Program Progress Summary:

Through December 31, 2018 the following ENERGY STAR for New Multi-Family Residences totals are:
ENERGY STAR for New Multi-Family Residences: 0

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, 2019 to December 31, 2019

During this period, there are 1,000 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 1,800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$855,286.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$1,568,691.

Program Progress Summary:

On November 3, 2015 ENERGY STAR for New Homes replaced the prior Residential New Construction Program. Through December 31, 2018 the following ENERGY STAR for New Homes totals are:

ENERGY STAR for New Homes: 13,634

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, 2019 to December 31, 2019

During this period, there are 3,500 units projected to be installed and approved.

January 1, 2020 to December 31, 2020

During this period, there are 3,500 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$541,651.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$544,234.

Program Progress Summary:

Through December 31, 2018 the following Residential Heating and Cooling totals are:

Residential Heating and Cooling: 204,766

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, 2019 to December 31, 2019

During this period, there are 7,000 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 7,000 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,034,509.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$3,167,040.

Program Progress Summary:

Through December 31, 2018 the following Neighborhood Weatherization totals are:

Neighborhood Weatherization: 43,321

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 usages changes by pre-programming HVAC, water heating and pool pumps.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 5,250 projected customers for this program on a cumulative basis.

January 1, 2020 to December 31, 2020

During this period, there are 6,000 projected customers for this program on a cumulative basis.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,969,047.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$3,223,891.

Program Progress Summary:

Through December 31, 2018 the following Energy Planner totals are:
Energy Planner Participating Customers: 4,886

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, 2019 to December 31, 2019

During this period, there are three customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are five customers projected to participate.

Program Fiscal Expenditures:

January 1, 2018 to December 31, 2016

Expenditures are estimated to be \$467.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$613.

Program Progress Summary:

Through December 31, 2018 the following Residential Wall Insulation totals are:
Residential Wall Insulation: 197

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, 2019 to December 31, 2019

During this period, there are 1,800 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 1,800 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$783,179.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$750,767.

Program Progress Summary:

Through December 31, 2018 the following Residential Window Replacement totals are:

Residential Window Replacement: 15,023

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, 2019 to December 31, 2019

This program is retired.

January 1, 2020 to December 31, 2020

This program is retired.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$17,278.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$25,596.

Program Progress Summary:

Program was retired on May 11, 2016.

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, 2019 to December 31, 2019

During this period, the following energy audit participation is projected:

Commercial/Industrial (Free):	800
Comprehensive Commercial/Industrial (Paid):	2

January 1, 2020 to December 31, 2020

During this period, the following energy audit participation is projected:

Commercial/Industrial (Free):	850
Comprehensive Commercial/Industrial (Paid):	5

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$390,979.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$449,143.

Program Progress Summary:

Through December 31, 2018 the following Commercial Energy Audit totals are:

Commercial/Industrial (Free):	26,206
Comprehensive Commercial/Industrial (Paid):	238
<u>Commercial Mail-in</u>	<u>1,477</u>
Commercial/Industrial Total	27,921

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 and industrial customers to install additional ceiling insulation in existing commercial structures.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are five customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are six customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$5,026.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$6,144.

Program Progress Summary:

Through December 31, 2018 the following Commercial Ceiling Insulation totals are:

Commercial Ceiling Insulation: 319

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL CHILLER

Program Description: A rebate program that encourages commercial and industrial customers to install high efficiency chiller equipment.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are nine units projected to be installed and approved.

January 1, 2020 to December 31, 2020

During this period, there are eight units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$39,723.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$29,992.

Program Progress Summary:

Through December 31, 2018 the following Commercial Chiller totals are:
Commercial Chiller: 69

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, 2019 to December 31, 2019

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, 2020 to December 31, 2020

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, 2019 to December 31, 2019

Expenditures are estimated to be \$42,974.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$39,417.

Program Progress Summary:

At the end of 2018, there are eight cogeneration Qualifying Facilities (“QFs”) that are on-line in Tampa Electric’s service area. These facilities have a total combined nameplate generation capacity of 443.3 MW. 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.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: CONSERVATION VALUE

Program Description: A rebate program that encourages commercial and industrial customers to invest in energy efficiency and conservation measures that are not sanctioned by other commercial programs.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

January 1, 2020 to December 31, 2020

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$1,257.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$52,083.

Program Progress

Summary:

Through December 31, 2018 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 and industrial customers to install a cool roof system above conditioned spaces.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 15 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 20 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$167,676.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$252,068.

Program Progress Summary:

Through December 31, 2018 the following Commercial Cool Roof totals are:
Commercial Cool Roof: 253

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL COOLING

Program Description: A rebate program that encourages commercial and industrial customers to install high efficiency direct expansion commercial air conditioning cooling equipment.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are five units projected to be installed and approved.

January 1, 2020 to December 31, 2020

During this period, there are five units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$1,455.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$2,345.

Program Progress Summary:

Through December 31, 2018 the following Commercial Cooling totals are:
Commercial Cooling: 2,323

PROGRAM DESCRIPTION AND PROGRESS

Program Title: DEMAND RESPONSE

Program Description: A turn-key incentive program for commercial and industrial customers to reduce their demand for electricity in response to market signals.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 40 MW of demand response available for control.

January 1, 2020 to December 31, 2020

During this period, there are 40 MW of demand response projected to be available for control.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,913,782.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$3,989,740.

Program Progress Summary:

Through December 31, 2018, Tampa Electric was subscribed for 40 MW.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL DUCT REPAIR

Program Description: A rebate program that encourage existing commercial and industrial customers to repair leaky ductwork of central air-conditioning systems in existing commercial and industrial facilities.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are three repairs projected to be made.

January 1, 2020 to December 31, 2020

During this period, there are five repairs projected to be made.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$730.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$1,235.

Program Progress

Summary:

Through December 31, 2018 the following Commercial Duct Repair totals are:
Commercial Duct Repair: 11,039

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL ELECTRONICALLY COMMUTATED MOTORS (ECM)

Program Description: A rebate program that encourages commercial and industrial customers to replace their existing air handler motors or refrigeration fan motors with an ECM.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are five customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 10 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,421.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$5,652.

Program Progress Summary:

Through December 31, 2018 the following Commercial ECM totals are:
Commercial ECM: 1,512

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 electrical load.

Program Projections: January 1, 2019 to December 31, 2019

During this period, zero new customers are projected to participate.

January 1, 2020 to December 31, 2020

During this period, one new customer is projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$18,724,714.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$19,289,189.

Program Progress Summary:

Through December 31, 2018, there are 34 customers participating.

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LED STREET AND OUTDOOR LIGHTING CONVERSION

Program Description: A conservation program that converts the company's existing metal halide and high-pressure sodium street and outdoor luminaires to light emitting diode luminaires. The program allows for the recovery of the remaining unamortized costs in rate base associated with the luminaires converted.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 40,000 luminaires projected to be converted.

January 1, 2020 to December 31, 2020

During this period, there are 50,000 luminaires projected to be converted.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Undepreciated net book value expenditures are estimated to be \$5,466,854
Salvage value associated with converted luminaires are estimated to be \$141,149
Net expenditures are estimated to be \$5,325,706

January 1, 2020 to December 31, 2020

Undepreciated net book value expenditures are estimated to be \$6,925,968
Salvage value associated with converted luminaires are estimated to be \$201,600
Net expenditures are estimated to be \$6,724,368

Program Progress Summary:

Through December 31, 2018 the following street and outdoor metal halide and high-pressure sodium luminaires have been converted to light emitting diode luminaires:

Converted luminaires: 31,936

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING CONDITIONED SPACE

Program Description: A rebate program that encourages commercial and industrial customers to invest in more efficient lighting technologies in existing conditioned areas of commercial and industrial facilities.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 475 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 225 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$2,432,346.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$840,856.

Program Progress Summary:

Through December 31, 2018 the following Lighting Conditioned Space totals are:
Lighting Conditioned Space: 2,365

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING NON-CONDITIONED SPACE

Program Description: A rebate program that encourages commercial and industrial customers to invest in more efficient lighting technologies in existing non-conditioned areas of commercial and industrial facilities.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are 200 customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are 200 customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$376,088.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$366,047.

Program Progress Summary:

Through December 31, 2018 the following Lighting Non-Conditioned Space totals are:

Lighting Non-Conditioned Space: 797

PROGRAM DESCRIPTION AND PROGRESS

Program Title: LIGHTING OCCUPANCY SENSORS

Program Description: A rebate program that encourages commercial and industrial customers to install occupancy sensors to control commercial lighting systems.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are five units projected to be installed and approved.

January 1, 2020 to December 31, 2020

During this period, there are 10 units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$11,668.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$10,236.

Program Progress Summary:

Through December 31, 2018 the following Lighting Occupancy Sensors totals are:
Lighting Occupancy Sensors: 223

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL LOAD MANAGEMENT

Program Description: An incentive program that encourages commercial and 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, 2019 to December 31, 2019

During this period, there are zero new installations projected.

January 1, 2020 to December 31, 2020

During this period, there are zero new installations projected.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$54,514.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$9,999.

Program Progress

Summary:

Through December 31, 2018 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 and industrial customers to install anti-condensate equipment sensors and control within refrigerated door systems.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

January 1, 2020 to December 31, 2020

During this period, there are two customers projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$1,736.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$3,414.

Program Progress Summary:

Through December 31, 2018 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, 2019 to December 31, 2019

During this period, there are seven new installations projected.

January 1, 2020 to December 31, 2020

During this period, there are three new installations projected.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$3,756,253.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$3,873,512.

Program Progress Summary:

Through December 31, 2018 the following Standby Generator totals are:
Standby Generator Participating Customers: 94

PROGRAM DESCRIPTION AND PROGRESS

Program Title: THERMAL ENERGY STORAGE

Program Description: A rebate program that encourages commercial and industrial customers to install an off-peak air conditioning system.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there is one customer projected to participate.

January 1, 2020 to December 31, 2020

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$253,297.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$253,336.

Program Progress Summary:

Through December 31, 2018 the following Thermal Energy Storage totals are:
Thermal Energy Storage: 2

PROGRAM DESCRIPTION AND PROGRESS

Program Title: COMMERCIAL WALL INSULATION

Program Description: A rebate program that encourages commercial and industrial customers to install wall insulation in existing commercial and industrial structures.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there are zero customers projected to participate.

January 1, 2020 to December 31, 2020

During this period, there is one customer projected to participate.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$0.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$2,082.

Program Progress Summary:

Through December 31, 2018 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 and industrial customers to install high efficiency water heating systems.

Program Projections: January 1, 2019 to December 31, 2019

During this period, there is one unit projected to be installed and approved.

January 1, 2020 to December 31, 2020

During this period, there are three units projected to be installed and approved.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

Expenditures are estimated to be \$0.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$6,522.

Program Progress Summary:

Through December 31, 2018 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, 2019 to December 31, 2019

Expenditures are estimated to be \$177,535.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$186,728.

**Program Progress
Summary:**

Currently, Tampa Electric continues to monitor and review possible programs to research and develop and has the following four R&D evaluations in progress:

1. Electric vehicle benefits and impacts.
2. Battery storage for peak shifting.
3. Heat Pump Water Heater inclusion into the Energy Planner Program.
4. Large commercial electric vehicle battery storage.
5. Commercial small to mid-sized business online energy audit.
6. Home energy management system.

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, 2019 to December 31, 2019

During this period, there are 1,500 projected customers with 2,300 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 750 blocks estimated to be purchased on a one-time basis.

January 1, 2020 to December 31, 2020

During this period, there are 1,000 projected customers with 1,700 subscribed monthly blocks estimated on a cumulative basis.

During this period, there are 1,500 blocks estimated to be purchased on a one-time basis.

Program Fiscal Expenditures:

January 1, 2019 to December 31, 2019

During this period, the company anticipates revenues of approximately \$152,808 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be \$413,361.

January 1, 2020 to December 31, 2020

During this period, the company anticipates revenues of approximately \$99,325 to be used for new renewable generation. At the end of this period, the company projects the deferred balance (credits) to be \$236,231.

Program Progress Summary:

Through December 31, 2018, there were 1,530 customers with 2,343 blocks subscribed. In addition, there were 702 blocks of renewable energy purchased on a one-time basis. On a cumulative basis, there have been 498,389 monthly subscription blocks and 2,870 one-time blocks of renewable energy purchased.

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, 2019 to December 31, 2019

Expenditures are estimated to be \$527,933.

January 1, 2020 to December 31, 2020

Expenditures are estimated to be \$623,662.

Program Progress Summary: N/A

FINAL TAX SAVINGS CREDIT
PROJECTED

INDEX

<u>SCHEDULE</u>	<u>TITLE</u>	<u>PAGE</u>
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1	Final Tax Savings Credit	79
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3	Final Tax Savings Credit Communication	81

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 16
PARTY: TAMPA ELECTRIC COMPANY (TECO)
– (DIRECT)
DESCRIPTION: Mark R. Roche MRR-3

**TAMPA ELECTRIC COMPANY
FINAL TAX SAVINGS CREDIT
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2020 - DECEMBER 2020
PROJECTED**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	AVG 12 CP	PROJECTED	PROJECTED	DEMAND	ENERGY	PROJECTED	PROJECTED	PERCENTAGE	PERCENTAGE	12 CP & 1/13
	LOAD FACTOR	SALES AT	AVG 12 CP	LOSS	LOSS	SALES AT	AVG 12 CP	OF SALES AT	OF DEMAND AT	AVG DEMAND
	AT METER	METER	AT METER	EXPANSION	EXPANSION	GENERATION	AT GENERATION	GENERATION	GENERATION	FACTOR
RATE CLASS	(%)	(MWH)	(MW)	FACTOR	FACTOR	(MWH)	(MW)	(%)	(%)	(%)
RS,RSVP	54.99%	9,587,607	1,990	1.08045	1.05238	10,089,768	2,150	49.25%	56.99%	56.40%
GS, CS	62.24%	984,036	180	1.08045	1.05236	1,035,556	195	5.05%	5.17%	5.16%
GSD Optional	4.71%	508,686	77	1.07575	1.04878	533,502	83	2.60%	2.20%	2.23%
GSD, SBF	70.76%	7,637,641	1,155	1.07575	1.04878	8,010,233	1,243	39.09%	32.94%	33.41%
IS,SBI	79.71%	649,419	93	1.02851	1.01705	660,489	96	3.22%	2.54%	2.59%
LS1	333.63%	154,170	5	1.08045	1.05238	162,245	6	0.79%	0.16%	0.21%
TOTAL		19,521,559	3,501			20,491,793	3,773	100.00%	100.00%	100.00%

- (1) AVG 12 CP load factor based on 2019 projected calendar data.
- (2) Projected MWH sales for the period January 2020 thru December 2020.
- (3) Based on 12 months average CP at meter.
- (4) Based on 2019 projected demand losses.
- (5) Based on 2019 projected energy losses.
- (6) Col (2) * Col (5).
- (7) Col (3) * Col (4).
- (8) Based on 12 months average percentage of sales at generation.
- (9) Based on 12 months average percentage of demand at generation.
- (10) Col (8) * 0.0769 + Col (9) * 0.9231

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TAMPA ELECTRIC COMPANY

FINAL TAX SAVINGS CREDIT

JANUARY 2020

FINAL TAX SAVINGS CREDIT	(\$11,500,000)
REVENUE TAX FACTOR	<u>1.00072</u>
TOTAL RECOVERABLE INCLUDING REVENUE TAX FACTOR DOLLARS	<u><u>(\$11,508,280)</u></u>

**TAMPA ELECTRIC COMPANY
FINAL TAX SAVINGS CREDIT
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2020
PROJECTED**

RATE CLASS	(1) PERCENTAGE OF SALES AT GENERATION (%)	(2) PERCENTAGE OF DEMAND AT GENERATION (%)	(3) ENERGY RELATED COSTS (\$)	(4) DEMAND RELATED COSTS (\$)	(5) TOTAL COSTS (\$)	(6) PROJECTED SALES AT METER (MWH)	(7) EFFECTIVE AT SECONDARY LEVEL (MWH)	(8) BILLING KW LOAD FACTOR (%)	(9) PROJECTED BILLED KW AT METER (kw)	(10) TAX CREDIT RECOVERY FACTOR (\$/kw)	(11) TAX CREDIT RECOVERY FACTOR (\$/kwh)
RS	49.25%	56.99%	(435,856)	(6,054,215)	(6,490,071)	716,189	716,189				(0.00906)
GS, CS	5.05%	5.17%	(44,692)	(549,224)	(593,916)	77,176	77,176				(0.00770)
GSD, SBF											
Secondary						489,588	489,588			(2.71)	
Primary						109,011	107,921			(2.68)	
Transmission						733	718			(2.66)	
GSD, SBF - Standard	39.09%	32.94%	(345,941)	(3,499,313)	(3,845,254)	599,332	598,227	57.82%	1,417,305		
GSD - Optional	2.60%	2.20%	(23,010)	(233,712)	(256,722)						
Secondary						39,024	39,024				(0.00645)
Primary						759	751				(0.00639)
Transmission						0	0				(0.00632)
IS, SBI											
Primary						9,878	9,779			(2.18)	
Transmission						45,127	44,224			(2.16)	
Total IS, SBI	3.22%	2.54%	(28,497)	(269,832)	(298,329)	55,005	54,003	54.03%	136,911	(2.14)	
LS1	0.79%	0.16%	(6,991)	(16,997)	(23,988)	13,987	13,987				(0.00172)
TOTAL	100.00%	100.00%	(884,987)	(10,623,293)	(11,508,280)	1,501,472	1,499,357				(0.00768)

- (1) Obtained from page 1.
- (2) Obtained from page 1.
- (3) Total costs * 0.0769 * Col (1).
- (4) Total costs * 0.9231 * Col (2).
- (5) Col (3) + Col (4).
- (6) Projected kWh sales for the period January 2020.
- (7) Projected kWh sales at secondary for the period January 2020.
- (8) Col 7 / (Col 9 * 730) * 1000
- (9) Projected kw demand for the period January 2020.
- (10) Total Col (5) / Total Col (9).
- (11) {Col (5) / Total Col (7)} / 1000.

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Final Tax Savings Credit Communication

“Important Message”

To appear on December 2019 Billing Statement

Good news! Look for a credit on your next bill.

The credit will be based upon your usage, but figure about \$9 if you average 1,000 kilowatt-hours a month. After recovering costs of restoring power for Hurricane Irma and other storms, Tampa Electric still had savings from a recent federal tax law change – this credit is returning these savings back to customers.

The credit was proposed by Tampa Electric, approved by the Florida Public Service Commission and supported by Florida’s Office of Public Counsel, the Florida Industrial Power Users Group and the Florida Retail Federation.

“Important Message”

To appear on January 2020 Billing Statement

You have a credit on this month’s bill.

Look for the “Final Tax Saving Credit” line item on this bill. A recent federal tax law change enabled Tampa Electric to use savings to cover the costs of restoring power after Hurricane Irma and several other storms. The credit is from savings that remained after storm costs were paid. We are pleased to pass these savings onto our customers.

Other channels, Tampa Electric will leverage to communicate this message:

- Bill message (above)
- e-News Update (opt-in newsletter) in December
- Tampa Electric Facebook and Twitter pages in December/January
- TTVN – internal television network in December/January

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**DEF's Response to Staff's First
Set of Interrogatories Nos. 1-15.**

**Additional files contained on
Staff Hearing Exhibits CD for
Nos. 1-13.**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 17
PARTY: STAFF – (DIRECT)
DESCRIPTION: Lori Cross(1-15)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Docket No. 20190002-EG

Filed: July 26, 2019

**DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
STAFF'S FIRST SET OF INTERROGATORIES (NOS. 1-15)**

Duke Energy Florida, LLC ("DEF") responds to Staff's First Set of Interrogatories (Nos. 1-15) to DEF as follows:

INTERROGATORIES

1. For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.

Response:

Please see Attachment 1, bearing bates number 20190002-DEF-000001.

2. How does the Company develop its DSM advertising and determine which programs to promote through advertising?

Response:

DEF develops a marketing plan annually for each program for the upcoming year. The marketing team works closely with program managers to understand the program participation and savings goals for the upcoming year and develops marketing plans to achieve those goals. These plans utilize a variety of channels which include bill messages, bill inserts, the Duke Energy website, and Residential Newsletter monthly emails, direct mail, direct email, social media, television, radio, outbound calling and neighborhood canvassing. Marketing plans for each program are often adjusted throughout the year based on customer response rates, program participation, and achievements relative to goals.

3. For each DSM program that contracts third-party vendors, please provide any updates or changes to the Company's third-party vendors that have occurred since the Company answered this question in 2018.
 - a. The Company's list of vendors.
 - b. The Company's process for bidding and selecting vendors.
 - c. The Company's process for sole-sourcing DSM vendors.
 - d. The Company's list of current sole-sourced third-party vendors and justification for each.

Response:

No changes since 2018.

Please refer to Schedule CT-2, Pages 2 and 3, of DEF's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

4. Please provide an overview, by program, of the types of expenditures found in the Other cost category.

Response:

Please see Attachment 2, bearing bates numbers 20190002-DEF-000002 through 20190002-DEF-000003.

5. Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.

Response:

Yes. The 2018 expenses include \$42,698 associated with the 2020 FEECA Goalsetting Docket. These expenses were for services provided by Nexant, Inc. for the Technical Potential Study. This work included developing the project work plan, developing the measure list and measure impacts, disaggregation of the load forecast by sector, segment, and end use, and TEAPOT model set-up and draft results.

6. Please explain why actual Payroll and Benefits costs exceeded estimated costs for all programs in 2018, except the Florida Custom Incentive program, resulting in a total variance of \$912,452.

Response:

DEF notes that despite the wording of this question, actual Payroll and Benefit costs were lower than the 2018 reprojected with the exception of Florida Custom Incentive program. The variance was due to an adjustment that was made in December 2018 to true-up the year-end burden rate related to benefits and payroll tax adjustment. This adjustment resulted in a 40% decrease in benefits and taxes that was not anticipated during the re-projection.

The payroll for the Florida Custom Incentive was higher than the re-projected payroll due to the increase in volume of projects in the second half of the year.

7. The following table shows the differences in Outside Services for four programs between 2017 and 2018.

Program	2017 Costs	2018 Costs	% Increase
Home Energy Check	\$625,811	\$975,467	56%
Residential Incentive	\$146,531	\$259,213	77%
Business Energy Check	\$30,034	\$63,920	113%
Better Business	\$82,547	\$113,376	37%

Please explain the increase in Outside Services costs for these programs.

Response:

Home Energy Check - The increase in outside services was largely driven by: (a) workforce realignment (using additional contract workers to better serve the needs of customers and the Program throughout the year); (b) implementation of a Salesforce tool for auditors; and (c) implementation of the ConvergeOne phone system and training.

Residential Incentive - Outside services were higher in 2018 due to additional staff needed in the summer peak to process a backlog of rebates.

Business Energy Check - Outside services were higher in 2018 due to software enhancements to the existing tool (Encomp) and testing a new software backup tool (Weidt Group).

Better Business - Outside services were higher in 2018 due to expenses for Encomp Licenses to process applications and charges from AESC for the development of an online energy application.

8. The following table shows the differences in Advertising for four programs between 2017 and 2018.

Program	2017 Costs	2018 Costs	% Decrease
Home Energy Check	\$969,697	\$480,362	50%
Residential Incentive	\$684,982	\$58,504	91%
Business Energy Check	\$37,457	\$14,213	62%
Better Business	\$65,288	\$33,913	48%

Please explain the decrease in Advertising costs for these programs.

Response:

Home Energy Check and Residential Incentive - The reduction in advertising spending is primarily due to changes in the mix of marketing channels and approach. In 2017, DEF's marketing efforts utilized more mass media channels such as billboards, TV, radio, newspapers, and online search engines to promote conservation programs and create more widespread awareness of the programs and inform customers about the products and services available. The 2018 marketing campaigns relied more heavily on channels such as Bill Inserts, Direct Mail, Email, and Outbound Calling. These campaigns are designed to target specific customers, drive participation in specific programs, and overcome perceived market saturation issues. These channels are generally lower in cost than mass media channels and are the primary reason for the projected decrease in 2018.

Business Energy Check and Better Business – The reduction in advertising spending is primarily due to changes in the mix of marketing channels and approach. In 2017 we focused on updating collateral used to drive customer participation. DEF created new brochures specific to market segments, such as a Commercial Building and a Convenience Store. DEF also developed an Energy Efficiency booklet that provided educational and behavioral suggestions to customers that included a wide variety of energy efficiency opportunities. DEF also performed a focus group study in 2017 that included Small, Medium and Large Account segments. In 2018 we updated our existing collateral with any changes due to code upgrades. The use of the collateral created in 2017 help in the marketing opportunities in 2018.

9. Please explain the following variances in the Technology Development program.
- a. The variance of \$200,247 less than projected for Outside Services.
 - b. The variance of \$165,983 more than projected for Materials & Supplies.

Response:

The primary cause of these variances is due to three invoices that were inadvertently coded to Materials and Supplies that should have been coded to Outside Services. These three invoices totaled \$171,500. If these were coded properly, the variance for Outside Services would be \$28,747 less than projected, and the variance for Materials & Supplies would be \$5,517 less than projected.

10. Please explain the variance of \$771,775 more than projected for Outside Services in the Load Management program.

Response:

The majority of the variance \$642,000 was due to an increase in cellular switch charges, and the purchase of iPads and iPad hosting services for contractors supporting the program. \$81,000 was due to a third-party vendor IPKEYS who was hired to review the feasibility and functionality of Itron's Open ADR software for the program's potential use.

11. Please explain the variance of \$165,055 less than projected for Outside Services in Conservation Program Administration.

Response:

\$85,445 of this variance is due to the reclassification of expenses from Energy Conservation Administration to the appropriate programs in December. The remainder, approximately \$40,900 is due to an over correction of an invoice for services.

12. Please explain the variance of \$106,411 less than projected in Materials & Supplies for the Standby Generation program.

Response:

Of the \$124,956 that was re-projected for Materials & Supplies in Standby Generation, \$112,500 was budgeted for the replacement of 150 modems that were not installed in 2018 as anticipated.

13. Please explain the variance of \$854,089 less than projected in Incentives for the Neighborhood Energy Saver program.

Response:

The variance is primarily due to fewer measures installed in the second six months of the year than projected. The number of measures achieved were less than the goal primarily for attic insulation and duct sealing. The main variance was in attic insulation because the projected costs were based on 1200 square feet per home but the actual average home was only 900 square feet resulting in a \$609,337 variance.

Please see Attachment 3, bearing bates number 20190002-DEF-000004, for the reconciliation.

14. Please explain why the Incentives expense in the Home Energy Check program is \$192,196 (30%) less than 2017.

Response:

The decrease in incentive costs is driven by less kits distributed in 2018 (32,520) than 2017 (35,787) and the timing of the purchase of kits. Kits are purchased to ensure DEF has adequate inventory during the year and these purchases may not line up with kits distributed to customers.

Please refer to Schedule CT-3, Page 1, of DEF's May 1, 2019 filing to answer the following question.

15. Please explain the credit of \$474,305 in Conservation Program Administration for December 2018.

Response:

A journal entry to correct charges to the Energy Conservation Administration program from June through November was made in the month of December. This journal entry credit created a net credit in Conservation Administration for the month of December. This entry was made to reclassify expenses for advertising from Conservation Administration to the specific programs to which these expenses related.

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF PINELLAS

I hereby certify that on this 26th day of July, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared LORI CROSS, who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory numbers 1-15, from STAFF'S FIRST SET OF INTERROGATORIES TO DUKE ENERGY FLORIDA, LLC (NOS. 1-15) in Docket No. 20190002-EG, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 26th day of July, 2019.



CHRISTINA WOLF
Commission # GG 146409
Expires September 27, 2021
Docket Thru Budget Notary Services

Lori Cross
Lori Cross

Christina Wolf
Notary Public
State of Florida, at Large

My Commission Expires:
9/27/21

DEF
DOCKET 20190002
STAFF ROG 1-Q1

ATTACHMENT 1

Program	Cost-Effectiveness Scores		
	RIM	TRC	Participant
<i>Residential Segment</i>			
Residential Incentive	1.30	1.93	1.64
Neighborhood Energy Saver	1.15	3.99	4.55
Low Income Weatherization Assistance	1.28	2.50	2.24
Residential Energy Management	3.05	7.42	NA
<i>Non-Residential Segment</i>			
Better Business	1.43	4.98	3.77
Standby Generation	4.20	78.88	NA
Curtable Service	3.55	66.46	NA
Interruptible Service	2.33	170.67	NA

Note: The assumptions for avoided costs are the same as were used to support the 2019 Goals Filing

20190002-DEF-000001

DEF's Response to STAFF'S First Set
Interrogatories Q-4
Docket No. 20190002-EG

BETTER BUSINESS

Employee Development, Training, Business Meetings	14,468
Industry Association Dues & Professional Licenses	5,094
Mobile Device	2,261
*Overhead Expenses	2,912
	<u>24,734</u>

INTERRUPTIBLE SERVICE

Employee Development, Training, Business Meetings	3,597
Industry Association Dues & Professional Licenses	25
Mobile Device	285
*Overhead Expenses	415
	<u>4,322</u>

BUSINESS ENERGY CHECK

Employee Development, Training, Business Meetings	13,185
Industry Association Dues & Professional Licenses	3,787
Mobile Device	869
*Overhead Expenses	1,394
	<u>19,235</u>

LOW INCOME

Employee Development, Training, Business Meetings	4,386
Industry Association Dues & Professional Licenses	20
*Overhead Expenses	4,264
	<u>8,670</u>

CONSERVATION PROGRAM ADMIN

Employee Development, Training, Professional Licenses	61,136
Mobile Device	15,315
	2,793
*Overhead Expenses	275,324
	<u>354,568</u>

NEIGHBORHOOD ENERGY SAVER

Employee Development, Training, Professional Licenses	16,944
Mobile Device	542
	105
*Overhead Expenses	8,985
	<u>26,576</u>

HOME ENERGY CHECK

Employee Development, Training, Business Meetings	70,403
Industry Association Dues & Professional Licenses	7,787
Mobile Device	4,792
*Overhead Expenses	27,519
	<u>110,500</u>

QUALIFYING FACILITY

Employee Development, Training, Business Meetings	8,531
Industry Association Dues & Professional Licenses	1,227
Mobile Device	2,775
*Overhead Expenses	14,454
	<u>26,987</u>

RESIDENTIAL INCENTIVE PROGRAM

Employee Development, Training, Business Meetings	16,754
Industry Association Dues & Professional Licenses	6,793
Mobile Device	4,498
*Overhead Expenses	6,743
	<u>34,788</u>

RESIDENTIAL ENERGY MANAGEMENT

Employee Development, Training, Business Meetings	52,179
Industry Association Dues & Professional Licenses	1,306
Mobile Device	6,404
*Overhead Expenses	11,306
	<u>71,196</u>

FLORIDA CUSTOM INCENTIVE

Employee Development, Training, Business Meetings	3,115
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STANDBY GENERATION

Employee Development, Training, Business Meetings	2,362
--	-------

20190002-DEF-000002

Mobile Device	69	Industry Association Dues & Professional Licenses	25
*Overhead Expenses	<u>10,270</u>	Mobile Device	277
	<u>13,454</u>	*Overhead Expenses	<u>415</u>
			<u>3,079</u>
CURTAINABLE SERVICE		TECHNOLOGY DEVELOPMENT	
*Overhead Expenses	<u>187</u>	Employee Development, Training, Business Meetings	11,145
	<u>187</u>	*Overhead Expenses	<u>179</u>
			<u>11,324</u>
*Overhead Expenses - includes administrative expenses, facilities expenses, and shared services expenses		Total "Other Expenses"	<u><u>709,621</u></u>

20190002-DEF-000003

Measure	Actual Jan -		Total Actual Jan - June	Goal Less Actual Jan -			Total Goal Less Actual	Total Projected	Actual		Total Actual	Variance between Goal (reprojection)Jan d Actual
	June	Avg Cost		Goal	June	Avg Cost			Avg Cost	Total Actual		
homes	2,444	190	464,360	4,539	2,095	190	398,050	862,410	4,486	183	820,938	41,472
insulation	805	519	417,795	2,010	1,205	520	626,600	1,044,395	1,154	377	435,058	609,337
tune up	570	128	72,960	1,860	1,290	130	167,700	240,660	1,510	129	194,790	45,870
duct sealing	333	341	113,553	871	538	344	184,803	298,356	458	341	156,361	141,995
MyHer Reports								122,700			133,800	(11,100)
Total								<u>2,568,521</u>			<u>1,740,947</u>	<u>827,574</u>
Per Filing								2,568,542			1,714,454	854,089
Under Accrued December 2018											24,658	(24,658)
Over Accrued December 2017											1,799	(1,799)
Total After Adjustments								<u>2,568,542</u>			<u>1,740,911</u>	<u>827,632</u>
Variance due to Rounding								(21)			36	(58)

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DEF's Response to Staff's
Second Set of Interrogatories
Nos. 16-19.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 18
PARTY: STAFF – (DIRECT)
DESCRIPTION: Lori Cross(16-19)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Docket No. 20190002-EG

Filed: September 16, 2019

**DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
STAFF'S SECOND SET OF INTERROGATORIES (NOS. 16-19)**

Duke Energy Florida, LLC ("DEF") responds to Staff's Second Set of Interrogatories (Nos. 16-19) to DEF as follows:

INTERROGATORIES

16. What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.

Response:

The 2020 ECCR Projections assume the continuation of all existing programs. DEF will not finalize the Program Plans to meet the proposed goals until after goals are approved and the Plans will not be implemented until after they are approved by the Commission which may be well into 2020. For the demand response programs, the projected costs assume no changes in programs or incentive levels but include increases in incentives associated with the level of new participants reflected in the proposed RIM goals. For the residential and commercial energy efficiency programs and the low-income programs, the projected costs are estimated based on the cost of the existing programs and the current measures and incentive levels.

Please refer to DEF's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

17. Please explain the 2020 increase in costs for the Home Energy Check program. The 2019 Actual/Estimated total expenses for the program are shown to be \$4,753,378 (Schedule C-3, Page 1). The 2020 Projected expenses are \$6,160,119 (Schedule C-2, Page 3)?

Response:

Approximately \$800,000 of the increase is for the implementation of a new audit tool and software, voice message systems, and software data base enhancements and licensing. The projections also include an increase of \$360,000 in marketing expenses for the new audit tool. Incentives are higher by \$125,000 due to timing of the purchase of kits. The projected expenses for Materials and Supplies include \$100,000 for digital promotional equipment for trade shows \$100,000.

18. Please explain the variation in the following expenses for the Technology Development program between the 2019 Actual/Estimated totals (Schedule C-3, Page 1) and 2020 Projections (Schedule C-2, Page 3).
- a. Outside Services increase from \$235,817 in 2019 to \$414,915 in 2020.
 - b. Materials and Supplies increase from \$3,643 in 2019 to \$200,000 in 2020.

Response:

The Program Plan approved by the Commission in Docket No. 20150083 allows for recovery of up to \$800,000 in expenses for the Technology Development program each year. Consistent with the provisions of the Plan, the 2020 projected costs include a total of \$800,000 for the projects described in Exhibit LJC 1-P, Schedule C-5, Page 12 of 15. Much of the work to be performed is yet to be defined, therefore, the breakdown by cost category is a high-level estimate based on historical costs. The 2019 projections are based on the actual costs that have been incurred through June 2019 and projected costs for the remainder of the year for the current ongoing projects described on Schedule C-5, Page 12 of 15.

19. Please refer to Schedule C-3, Pages 1 and 2, to answer the following questions about variances in the actual and estimated values for 2019.
- a. Please explain the variation in Outside Services in the Home Energy Check program. Actual expenses for the first half of 2019 are shown to be \$259,773, while the second half estimate is \$526,000.
 - b. Please explain the variation in Outside Services for the Business Energy Check program. Actual expenses for the first half of 2019 are shown to be \$53,588, while the second half estimate is \$243,100.
 - c. Please explain the credit of \$22,386 under Materials and Supplies for the Business Energy Check program.
 - d. Please explain the credit of \$22,683 under Materials and Supplies for the Better Business program.
 - e. Please explain the variation in Incentives for the Florida Custom Incentive program. Actual expenses for the first half of 2019 are shown to be \$59,770, while the second half estimate is \$245,000.
 - f. Please explain the variation under Materials and Supplies for the Standby Generation program. Actual expenses for the first half of 2019 are shown to be \$8,856, while the second half estimate is \$105,000.
 - g. Please explain the variation under Outside Services for the Qualifying Facility program. Actual expenses for the first half of 2019 are shown to be \$391, while the second half estimate is \$493,000.

Response:

- a. The increase in Outside Services in the Home Energy Check program in the second half of the year is due to the purchase of software for a new audit tool for about \$240,000.
- b. The increase in Outside Services for the second half of 2019 is expected to occur in November or December and is for a new online audit tool.
- c. The credit for \$22,386 under Material and Supplies for Business Energy Check was due to an invoice in the amount of \$24,000. The invoice was accrued to be paid out of Business Energy Check in December of 2018 and was reversed in January of 2019. All accruals at Duke are made to a Materials and Supplies category code.

The actual invoice was paid to the correct program in January which was Better Business. A journal entry was done to correct but the wrong category code was used. In June \$24,000 was charged to Business Energy Check in Outside Services and a credit to Better Business was made to Materials and Supplies. This error was corrected in July 2019 and will be reflected in the 2019 True Up Filing.

- d. See above answer in “c”.
- e. Incentives for this program increase in the second half of the year as Some major projects are expected to close out in the remainder of the year.
- f. The increase in Materials and Supplies is for the upgrade of 2 gigabyte modems to 4 gigabytes.
- g. Actual expenses for the second half of 2019 are projected to increase due to the administrative costs and legal fees associated with a formal litigated dispute regarding a Qualifying Facility Power Purchase Agreement that was approved by the Florida Public Service Commission.

AFFIDAVIT

STATE OF ~~FLORIDA~~ *North Carolina*

COUNTY OF ~~PINELLAS~~ *Watauga*

I hereby certify that on this 12th day of September, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared LORI CROSS, who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory numbers 16 through 19, from STAFF'S SECOND SET OF INTERROGATORIES TO DUKE ENERGY FLORIDA, LLC (NOS. 16-19) in Docket No. 20190002-EG, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 12th day of September, 2019.

Lori G. Cross

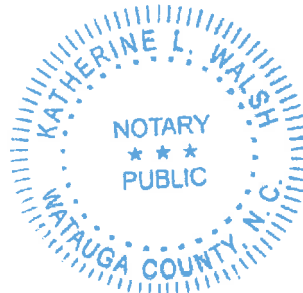
Lori Cross

Katherine L. Walsh
KATHERINE L. WALSH

Notary Public
State of ~~Florida~~, at Large
North Carolina

My Commission Expires:

August 19, 2022



19

DEF's Response to Staff's Third Set of Interrogatories No. 20.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 19
PARTY: STAFF – (DIRECT)
DESCRIPTION: Marcia Olivier(20)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy Conservation Cost Recovery

Docket No. 20190002-EG

Filed: September 27, 2019

**DUKE ENERGY FLORIDA, LLC'S RESPONSE TO
STAFF'S THIRD SET OF INTERROGATORIES (NO. 20)**

Duke Energy Florida, LLC ("DEF") responds to Staff's Third Set of Interrogatories (No. 20) to DEF as follows:

INTERROGATORIES

20. On August 9, 2019, DEF filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida's investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following:
- a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors.
 - b. Please explain those impacts.

Response:

DEF's most current five-year plan is for 2019-2023. DEF does not expect the proposed modifications to impact the ECCR factors for any year in that plan. DEF cannot predict if or when the impact could be triggered beyond 2023.

AFFIDAVIT

STATE OF FLORIDA

COUNTY OF PINELLAS

I hereby certify that on this 27th day of September, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared MARCIA OLIVIER, who is personally known to me, and she acknowledged before me that she provided the answers to interrogatory number 20, from STAFF'S THIRD SET OF INTERROGATORIES TO DUKE ENERGY FLORIDA, LLC (NO. 20) in Docket No. 20190002-EG, and that the responses are true and correct based on her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 27th day of September, 2019.



Marcia Olivier
Marcia Olivier
Monique West
Notary Public
State of Florida, at Large

My Commission Expires:
June 28, 2023

20

**FPL's Response to Staff's First
Set of Interrogatories Nos. 1-13.**

**Additional files contained on
Staff Hearing Exhibits CD for
No. 1.**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 20
PARTY: STAFF – (DIRECT)
DESCRIPTION: Thomas Koch(1-13)

Florida Power & Light Company
Docket No. 20190002-EG
Staff's 1st Set of Interrogatories
Interrogatory No. 1
Page 1 of 1

QUESTION:

For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.

RESPONSE:

Please see Attachment I and in the table below. The projected values from the three cost-effectiveness preliminary screening tests are based on FPL system assumptions (generation, fuel, etc.) from FPL's 2019 DSM Goals filing.

Program	RIM	TRC	Participant
Residential Sector Programs			
Residential Load Management (On Call®)	1.34	2.71	Infinite
Residential Air Conditioning	0.64	0.46	0.90
Residential New Construction (BuildSmart®)	0.59	0.56	1.24
Residential Ceiling Insulation	0.59	1.67	3.87
Residential Low Income	0.53	2.52	Infinite
Business Sector Programs			
Business On Call	1.14	2.92	Infinite
Commercial/Industrial Demand Reduction	1.04	64.75	Infinite
Business Heating, Ventilating, & Air Conditioning (HVAC)	0.58	1.69	3.28
Business Lighting	0.61	2.21	4.15

QUESTION:

How does the Company develop its DSM advertising and determine which programs to promote through advertising?

RESPONSE:

FPL's advertising campaign is designed to create customer awareness of the broad array of FPL's energy efficiency opportunities, tools and services that customers can take advantage of to help lower their energy usage and bills. It achieves this by promoting participation in the Residential Online Home Energy Survey and the Business Energy Evaluation programs. FPL focuses its advertising on these programs because they act as a gateway to FPL's other DSM programs and they provide information on low or no-cost energy-saving options.

QUESTION:

For each DSM program that contracts third-party vendors, please provide any updates or changes to the following that have occurred since the Company's May 1, 2018 filing in Docket No. 20180002-EG:

- a. The Company's list of vendors.
- b. The Company's process for bidding and selecting vendors.
- c. The Company's process for sole-sourcing DSM vendors.
- d. The Company's list of current sole-sourced third-party vendors and justification for each.

RESPONSE:

- a. FPL interprets this interrogatory to be asking for vendors directly related to providing services to customers in FPL's DSM programs. Therefore, it does not include any vendors who may be indirectly related and provide services such as computer or telecom maintenance, computer programming, customer communications, etc. Below are FPL's two new vendors for energy surveys who replaced the previous vendors in 2019.
 - Agentis – Provides a new software tool for the Business Energy Evaluation program's online, phone and on-site channels
 - Bidgley – Provides a new software tool for the Residential Home Energy Survey program's online, phone and in-home channels
- b. There has been no change in the process for bidding and selecting vendors.
- c. There has been no change in the process for sole-sourcing DSM vendors.
- d. There has been no change to FPL's list of sole-sourced third-party vendors.

QUESTION:

Docket No. 20170216-EI implemented a 30-day transfer for participants moving from the Curtailable Service tariff to the Commercial/Industrial Demand Reduction program.

- a. How many participants have migrated from the Curtailable Service Tariff to the Commercial/Industrial Demand Reduction program using the 30-day transfer approved in that docket?
- b. What was the incremental amount of the credits associated with the transfer of those participants in 2018?

RESPONSE:

- a. One.
- b. \$172,002.

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Please provide an overview, by program, of the types of expenditures found in the Other cost category.

RESPONSE:

Please see the tables below. Table 5A shows the types of expenses included in the "Other" category. Table 5B identifies the programs in which each of these expense types were incurred in 2018.

Table 5A	
Expense Type	Description
Employee-Related	Travel, Training, Subscriptions
Office Facilities	Supplies, Printer Leases, Postage, Office Furniture
Telecommunications	Office Communications Equipment, Cell Phones
Software & Hardware	Computer-Related Purchase, Maintenance & Licensing Fees

Table 5B				
Program	Employee-Related	Office Facilities	Telecom	Software & Hardware
Residential Home Energy Survey	X	X	X	X
Residential Load Management	X	X	X	X
Residential Air Conditioning	X	X	X	X
Residential Ceiling Insulation	X	X	X	X
Residential New Construction (BuildSmart®)	X	X	X	X
Residential Low Income	X	X	X	X
Business Energy Evaluation	X	X	X	X
Commercial/Industrial Demand Reduction	X	X	X	X
Commercial/Industrial Load Control	X	X	X	X
Business On Call	X	X	X	
Business Heating, Ventilating & A/C	X	X	X	
Business Custom Incentive	X	X	X	
Business Lighting	X	X	X	
Cogeneration & Small Power Production	X	X	X	
Conservation Research & Development	X	X		
Common Expenses	X	X	X	X

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.

RESPONSE:

Yes. 2018 expenses included costs associated with FPL's portion of the FEECA Utilities' costs for the consultant Nexant who performed analyses for the DSM Goals. In addition, FPL payroll related to the DSM Goals analysis work was included.

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Please refer to FPL's Residential Home Energy Survey program.

a. Please explain the reason for the following expenses increasing in 2018 from 2017, despite the program drawing approximately 45,000 fewer participants.

- Payroll & Benefits
- Outside Services
- Advertising Vehicles

b. Please explain the expense of \$333,014 over the projection for Payroll and Benefits in the program.

c. Please explain the expenses of \$2,603,122 over the projection for Outside Services in the program. This amount also represents an increase of \$2 million over the amount spent in this category in 2017.

d. Please explain the Company's rationale for spending \$1,614,191 less than projected in Advertising on the program.

RESPONSE:

- It is important to note that the number of Residential Home Energy Surveys (Surveys) is driven by customer demand which is expected to fluctuate from year-to-year. The primary driver of the increased cost in 2018 is that FPL was integrating a new enhanced Survey software tool as discussed in FPL's response to Staff 1st Set of Interrogatories No. 3.a, which was launched in 2019. The costs for this new tool are unrelated to the customer demand for Surveys. FPL also notes that the reduced customer participation in 2018 occurred primarily in the online channel which by its nature has very little related costs.
 - Payroll & Benefits – Increased cost for additional resources required to integrate the new Survey tool.
 - Outside Services – Increased marketing costs in preparation for the promotional activities related to the new Survey tool launch.
 - Advertising – Costs were lower in 2018.
 - Vehicles – Increased cost related to a shift in classification to the Vehicle category instead of the Other category. FPL is now providing its field employees who perform in-home Surveys with FPL-leased vehicles in lieu of reimbursing the employee for use of their personal vehicle.
- Please see FPL's response to subpart (a) of this interrogatory.
- Please see FPL's response to subpart (a) of this interrogatory.
- This represents the portion of FPL's media advertising spend tied to the launch of the new Survey tool. Because the launch occurred in 2019, the media spending was deferred to this year.

**Florida Power & Light Company
Docket No. 20190002-EG
Staff's 1st Set of Interrogatories
Interrogatory No. 8
Page 1 of 1**

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Please explain the increase in the Payroll and Benefits cost category in the Residential Load Management program between 2017 and 2018. In 2017, FPL spent \$296,123 in the category. In 2018, the amount increased to \$2,062,596.

RESPONSE:

This amount is related to the cost categorization of pre-capitalized labor. It is not actually an incremental cost above the 2017 actual but a result of the way FPL's SAP budget system reflects the pre-capitalized labor cost for FPL's Residential Load Management program. At the time of purchase of the load control transponders (LCTs) installed in customers' homes, FPL pre-capitalizes the contractor labor cost associated with the installation and books a credit for the associated labor costs in the Material & Supplies category. Once an LCT is removed from inventory and installed in a customer's home, this entry is reversed and recorded to Payroll & Benefits category. The 2017 spend reflects a pre-capitalized credit of \$1,776,315. However, in 2018 there were no purchases and therefore no precap credit recorded in the Payroll & Benefits category which created the apparent increase. The 2017 and 2018 values in the Payroll & Benefits category are essentially the same without this credit (see table below).

	2017	2018
Payroll & Benefits	\$296,123	\$2,062,596
Pre-Capitalized Labor Credit	\$1,776,315	\$0
Payroll & Benefits (w/o Credit)	\$2,072,438	\$2,062,596

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Please explain the credit to the Other cost category of \$237,708 in the Cogeneration and Small Power Production program.

RESPONSE:

The credit is associated with the administrative activities performed by FPL for Cogenerators and Small Power Producers. The Cogenerators and Small Power producers reimburse FPL for providing administrative services on their behalf by a reduction in the amount FPL pays them for their output. This is then reflected as a reduction in the form of a credit to the Energy Conservation Cost Recovery (ECCR) costs paid by FPL's general body of customers.

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

The Company spent \$34,494 on the Conservation Research and Development program in 2018, compared to \$121,304 in 2016 and \$116,551 in 2017. Please explain the reasons for the reduced spending in this program in 2018.

RESPONSE:

Conservation Research and Development (CRD) is an umbrella program under which FPL has researched a wide variety of new technologies to evaluate their potential for reductions in peak load and energy as well as customer bill savings. Florida's climatic conditions are unique so the studies must reflect the effects of the hot and humid environment. Favorable evaluation results can lead to incorporation in FPL's DSM programs. Given the nature of this program, it is expected that the costs in this program will fluctuate from year to year depending on how many new technologies FPL is investigating at that time and the level of costs each investigation entails. Some studies are necessarily more extensive and costly than others. In 2018, there were no new meaningful technologies to consider and therefore fewer investigations were conducted compared to 2017 and 2016.

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

FPL has managed to reduce its Common Expenses from \$9,423,486 in 2016, to \$8,501,473 in 2017, to \$7,270,472 in 2018. Please describe any steps the Company has taken to reduce administrative costs for its DSM programs.

RESPONSE:

There are three primary factors that have resulted in the decrease in the non-program-specific costs that are recorded in Common Expenses. First, FPL's ongoing cost reduction and work management improvement efforts have reduced the number of employees required. Second, there has been no significant capital spending required in recent years resulting in reduced capital costs. Finally, FPL has adjusted its allocation to better reflect costs to specific programs, thereby reducing the amount previously allocated to Common Expenses.

QUESTION:

Please refer to Schedule CT-2, Pages 4 and 5, of FPL's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

Please refer to Schedule CT-6, Page 22, of FPL's May 1, 2019 filing. Using data from the Company's filings in Docket Nos. 20170002-EG, 20180002-EG, and 20190002-EG, the following table shows the per-installation cost of the Business Energy Evaluation over the past 3 years.

Year	Cost per Installation
2016	\$655.45
2017	\$690.82
2018	\$835.40

Please explain the increase for 2018.

RESPONSE:

The overall cost for the Business Energy Evaluation program was lower by \$844,837 in 2018 v. 2017. Program participation in 2018 was also lower at 8,510 v. 11,514 for 2017. Therefore, the increase in cost per participant was due to the number of participants decreasing more than the decrease in the overall cost of the program. The number of participants is driven by customer demand, which is expected to fluctuate from year-to-year. The costs for all DSM programs are comprised of both fixed and variable costs. Because the fixed costs do not move in tandem with participation, the cost per participant will also fluctuate from year-to-year.

QUESTION:

Please refer to Appendix A of FPL's May 1, 2019 filing to answer the following questions.
Regarding the \$10,000 Smart Home Energy Makeover:

- a. Would the expense of the \$10,000 award be recovered through the ECCR? If yes, which program and cost category would be charged?
- b. Would the Company be eligible for energy savings produced by the offer?

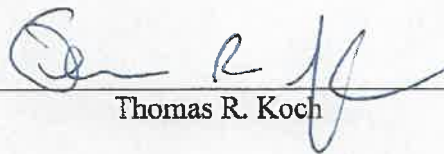
RESPONSE:

- a. Yes. The expense was recovered through the ECCR under the Residential Home Energy Survey program. It was reflected in the Outside Services category.
- b. No. FPL does not attribute energy or demand savings to the Residential Home Energy Survey (which includes the Smart Home Energy Makeover).

DECLARATION

I sponsored the answer to Interrogatory Nos. 1-13 from **STAFF'S FIRST SET OF INTERROGATORIES (NOS. 1-13)** to Florida Power & Light Company in Docket No. 20190002-EG. 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.



Thomas R. Koch

Date: 7/29/2019

21

**FPL's Response to Staff's
Second Set of Interrogatories
Nos. 14-21.**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 21
PARTY: STAFF – (DIRECT)
DESCRIPTION: David Du Bois(16-19)Thomas
Koch(14-15, 20-21)

QUESTION:

What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.

RESPONSE:

FPL's 2020 ECCR projections reflect its proposed Goals filed in Docket No. 20190015-EG. The projections assume the Commission will approve FPL's DSM Plan designed to achieve its Goals in Q3 2020. Therefore, FPL's 2020 projections assume termination in Q4 2020 of FPL's current Energy Efficiency (EE) programs, which are no longer cost-effective. These programs were not included in the development of FPL's proposed Goals. The assumed discontinued EE programs are: Residential Air Conditioning; Residential Ceiling Insulation; Residential BuildSmart; Business Heating, Ventilating and Air Conditioning; and Business Lighting. FPL's 2020 ECCR projections assume the continuation of all of its other current programs.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-2, Page 6, to answer the following questions about estimated values for 2020.

- a. Please explain the credit under Other for Residential Load Management (On Call).
- b. Please explain the credit under Other for Business On Call.
- c. Please explain the credit under Other for Cogeneration & Small Power Production.

RESPONSE:

- a. The credit under "Other" for the Residential Load Management program includes the treatment of labor costs associated with the installation of the load control transponders (LCT) as well as other costs such as employee related costs. At the time of purchase of the LCTs installed in customers' homes, FPL pre-capitalizes contractor labor costs associated with the installation and books a credit for the associated labor costs in the Other category. Once an LCT is removed from inventory and installed in a customer's home, this entry is reversed and recorded to the Payroll & Benefits category.
- b. Please see FPL's response to subpart a of this Interrogatory.
- c. The credit under "Other" for Cogeneration & Small Power Production is for administrative services performed by FPL on behalf of cogenerators and small power producers. These entities reimburse FPL for such services via a reduction in the amount FPL pays them for their output. This reduction is reflected in the form of a credit to Energy Conservation Cost Recovery (ECCR) costs.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-2, Page 8. Please explain the credit under April Estimated for Investment (Net of Retirements).

RESPONSE:

The credit of (\$5.44M) in Investment (Net of Retirements) is primarily due to a (\$6.72M) credit for the retirement of certain load control transponders.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-2, Page 9. Please explain the credit under April Estimated for Investment (Net of Retirements).

RESPONSE:

The credit of (\$268K) in Investment (Net of Retirements) is due to a (\$331K) credit for retirements for certain load control transponders.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-2, Page 11. Please explain the credit under December Estimated for Investment (Net of Retirements).

RESPONSE:

The credit of (\$2.01M) in Investment (Net of Retirements) is due to the expected retirement of the Solar PV for schools project in December 2020.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-2, Page 12. Please explain the credit under March Estimated for Investment (Net of Retirements).

RESPONSE:

The credit of (\$582K) in Investment (Net of Retirements) for Common Expenses in March 2020 is due to the scheduled retirement of certain capitalized software.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-3, Pages 13 & 14, to answer the following questions about 2019 Actual/Estimated total expenses.

- a. Please explain the variation in cost of Advertising for the Residential Home Energy Survey. Actual expenses for the first half of 2019 are shown to be (\$37,793) while second half projections are \$6,826,970.
- b. Please explain the variation in cost of Advertising for the Business Energy Evaluation. Actual expenses for the first half of 2019 are shown to be (\$9,062) while second half projections are \$1,232,761.
- c. Please explain the variation in cost of Advertising for Recoverable Expenses. Actual expenses for the first half of 2019 are shown to be (\$46,855) while second half projections are \$8,059,731.
- d. Please explain the variation in cost of Other for Residential Load Management (On Call). Actual expenses for the first half of 2019 are shown to be \$256,499 while second half projections are (\$410,554).

RESPONSE:

- a. FPL schedules the promotion of its Residential and Business energy surveys to coincide with customers' increased interest in managing their energy costs, which occurs during the summer months and is driven by the typical electric bill increases from higher air conditioning usage. Therefore, spending is higher in the second half of the year. FPL pre-buys media space and a periodic reconciliation is performed to adjust the amounts of pre-billed versus actual invoiced amounts. The credit of \$37,793 in the first half of 2019 represents the difference between pre-billed and invoiced advertising costs.
- b. Please see FPL's response to subpart a of this Interrogatory.
- c. Please see FPL's response to subpart a of this Interrogatory.
- d. Program cost projections for the second half of 2019 include the pre-capitalized labor credit of \$650,126, resulting in the net (\$410,554) in the Other category. The Other category costs for the second half of 2019 excluding this credit are \$239,572, which is approximately the same amount as for the first half of 2019. Please also see FPL's response to Staff's 2nd Set of Interrogatories No. 15, subpart a.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for the following questions.

Please refer to Schedule C-3, Page 14, Conservation Research and Development program. Please explain the estimated expense of \$50,000 for Outside Services for the July through December 2019 period.

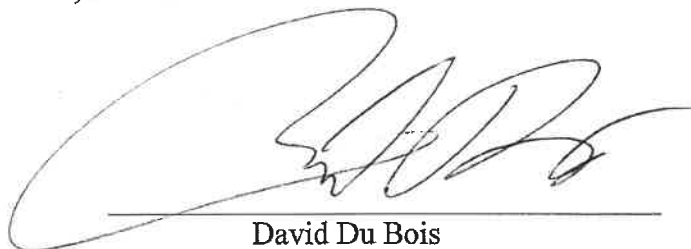
RESPONSE:

Conservation Research and Development (CRD) is an umbrella program where FPL has researched a wide variety of emerging technologies under Florida's hot and humid climactic conditions to evaluate their potential for reductions in peak load and energy, as well as customer bill savings. Given the nature of this program, costs fluctuate from year-to-year depending on how many new technologies FPL is investigating at that time and the level of costs each investigation entails. Projected program costs for 2019 reflect FPL's continuing participation in Electric Power Research Institute's ongoing co-funded research projects, such as the Technology Innovation program and the End-Use Energy Efficiency and Demand Response research program, as well as possible costs for other research reports.

DECLARATION

I sponsored the answer to Interrogatory Nos. 16 through 19 from **STAFF'S SECOND SET OF INTERROGATORIES (NOS. 14-21)** to Florida Power & Light Company in Docket No. 20190002-EG. 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.



David Du Bois

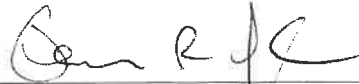
Date: _____

9/11/19

DECLARATION

I sponsored the answer to Interrogatory Nos. 14-15 and 20-21 from **STAFF'S SECOND SET OF INTERROGATORIES (NOS. 14-21)** to Florida Power & Light Company in Docket No. 20190002-EG. 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.



Thomas R. Koch

Date: 9/12/2019

22

FPL's Response to Staff's Third
Set of Interrogatories Nos. 22-
27.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 22
PARTY: STAFF – (DIRECT)
DESCRIPTION: Liz Fuentes(22)Thomas
Koch(23-27)

QUESTION:

On August 9, 2019, FPL filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida's investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following:

- a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors?**
- b. Please explain those impacts.**

RESPONSE:

- a. The earliest possible impact to FPL's Energy Conservation Cost Recovery (ECCR) factors would be for the 2021 projected ECCR costs included in the ECCR 2021 factors, if the Limitation Provision is not met. FPL does not know at this time whether the Limitation Provision will be met for the 2021 Projection. For its 2020 ECCR projections, FPL has determined that it has exceeded the Limitation Provision, as described in the Joint Motion, and no adjustments were necessary to the WACC utilized in the testimony and exhibits filed by FPL on August 9, 2019.
- b. If FPL's projected accumulated deferred federal income taxes for the 2021 projection period do not meet or exceed the level included in its actual 2020 May Earnings Surveillance Report ("ESR"), then FPL would be required to adjust the WACC applied to 2021 ECCR net capital costs as described in the Joint Petition. Since the actual 2020 May ESR and 2021 projected accumulated deferred federal income taxes data is unavailable at this time, FPL is unable to calculate or describe what the impact would be to the 2021 ECCR factors.

QUESTION:

Please refer to FPL's August 9, 2019 Filing in Docket No. 20190002-EG for questions 23-27. Please refer to Schedule C-2, Page 6, and Schedule C-3, Pages 13 and 14. Please explain the variation between the total Actual/Estimated expense for the Conservation Research & Development program in 2019, \$50,000, and the projected expense for 2020, \$257,592.

RESPONSE:

Please see FPL's response to Staff's 2nd Set of Interrogatories No. 21. FPL has not yet finalized the identification of projects for 2020, so the estimate is based on the annual average cost approved by the Commission in FPL's 2015 DSM Plan.

QUESTION:

Refer to Schedule C-3, Pages 13 & 14, to answer the following questions about 2019 Actual/Estimated total expenses.

- a. Please explain the variation under Outside Services for the Residential Home Energy Survey program. Actual expenses for the first half of 2019 are shown to be \$230,199, while the second half estimate is \$914,015.
- b. Please explain the variation under Payroll & Benefits for the Residential Low-Income program. Actual expenses for the first half of 2019 are shown to be \$177,249, while the second half estimate is \$32,037.

RESPONSE:

- a. Please see FPL's response to Staff's 2nd Set of Interrogatories No. 20, subpart a. The Outside Services expenses are related to the production and creation of content for advertisements.
- b. The FPL employees who perform the Low Income program activities are the same ones who perform the in-home work for the Residential Home Energy Survey. The peak work load time for the Home Energy Survey is during the summer months, primarily driven by customers' increased interest in managing their energy costs due to electric bill increases from higher air conditioning usage. Therefore, FPL targets most of its Low Income promotions and in-home work in the earlier part of the year in order to most efficiently utilize these employees time.

QUESTION:

Please refer to Schedule C-3, Page 23, and explain the increase for the Residential Home Energy Survey program. Actual expenses for the first half of 2019 are shown to be \$2,562,431, while the second half estimate is \$10,728,225.

RESPONSE:

Please see FPL's responses to Staff's 2nd Set of Interrogatories No. 20, subpart a., and Staff's 3rd Set of Interrogatories No. 24, subpart b.

QUESTION:

Please refer to Schedule C-3, Page 23, and explain the decrease for the Residential Low-Income program. Actual expenses for the first half of 2019 are shown to be \$313,986, while the second half estimate is \$78,953.

RESPONSE:

Please see FPL's response to Staff's 3rd Set of Interrogatories No. 24, subpart b.

QUESTION:

Please refer to Schedule C-3, Page 23, and explain the variation for the Business Heating, Ventilating, & A/C program. Actual expenses for the first half of 2019 are shown to be \$3,235,522, while the second half estimate is \$6,662,443.

RESPONSE:

The Business Heating, Ventilating & Air Conditioning (HVAC) program consists of several measures such as: Thermal Energy Storage, Direct Expansion systems, Chillers, Energy Recovery Ventilator, and Demand Control Ventilation. These are generally large and expensive projects for customers, and the timing of FPL's expenses is driven by each customer's individual project construction schedule. In 2019, customers have slated more of these projects for completion in the second half of the year than the first half. Therefore, this has resulted in higher FPL incentive costs during the latter half of 2019.

DECLARATION

I sponsored the answer to Interrogatory Nos. 23 through 27 from **STAFF'S THIRD SET OF INTERROGATORIES (NOS. 22-27)** to Florida Power & Light Company in Docket No. 20190002-EG. 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.



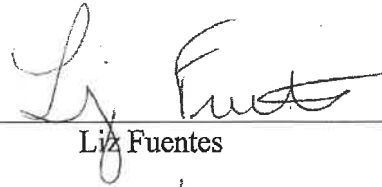
Thomas R. Koch

Date: 9/21/2019

DECLARATION

I sponsored the answer to Interrogatory No. 22 from **STAFF'S THIRD SET OF INTERROGATORIES (NOS. 22-27)** to Florida Power & Light Company in Docket No. 20190002-EG. 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 answers identified above, and that the facts stated therein are true.



Liz Fuentes

Date: 9/26/19

**FPUC's Response to Staff's
First Set of Interrogatories Nos.
1-14. (No. 4 is confidential)
(Confidential Document No.
06007-2019)**

**Additional files contained on
Staff Hearing Exhibits CD for
Nos. 1-14.**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 23
PARTY: STAFF – (DIRECT)
DESCRIPTION: Scott Ranck(1-14)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Energy Conservation Cost)
Recovery Clause.)
_____)

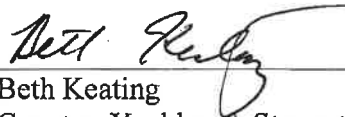
Docket No. 20190002-EG

Filed: July 25, 2019

**FLORIDA PUBLIC UTILITIES COMPANY'S RESPONSES TO THE COMMISSION
STAFF'S FIRST SET OF INTERROGATORIES (NOS. 1 - 14)
TO FLORIDA PUBLIC UTILITIES COMPANY**

Florida Public Utilities Company ("FPUC" or "Company") hereby submits its Responses to the First Set of Interrogatories (Nos. 1- 14)(redacted) served on the Company on June 28, 2019, by the PSC Staff. The individual responses follow this cover sheet. Confidential versions will be filed under separate cover.

Respectfully submitted,



Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
Tallahassee, FL 32301
(850) 521-1706
*Attorneys for Florida Public Utilities
Company*

RESPONSES TO PSC STAFF'S FIRST SET OF INTERROGATORIES

1. For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.

Company Response: The individual cost effectiveness results for each of the programs in FPUC's current DSM Plan are provided in the zip file identified as 20190002 – Staff Rog 1.

Respondent: Scott Ranck

Interrogatory No. 2

2. How does the Company develop its DSM advertising and determine which programs to promote through advertising?

Company Response: Advertising efforts are based on compliance requirements and the ease or difficulty in reaching the target audience. To maintain compliance with Rule 25-17.003, FPUC directs advertising materials to all residential customers twice a year to communicate the benefits and availability of the Company's residential energy audit program. Considerations are made to identify the most economical way to reach the entire affected area without overreaching to a wider than necessary audience. Advertising may change yearly as dollars are reallocated to assist with meeting program goals. For instance, the Company may reduce the amount of advertising for a specific program if participation in the program is high or increase advertising for programs who have lower participation. The reallocation of advertising dollars will occur yearly to assist with meeting program goals.

Respondent: Scott Ranck

Interrogatory No. 3(a)

3. For each DSM program that contracts third-party vendors, please provide any updates or changes to the Company's third-party vendors that have occurred since the Company answered this question in 2018.
- a. The Company's list of vendors.

Company Response:

- a. The Company's list of vendors.
- NEXANT – Technical consultant for TEA-POT studies and analysis for 2020-2029 goal proceeding efforts.
 - COASTAL CLOUD –Technical consultant used for the development of self-serve customer rebate portal.
 - BETY MAITRE – Regulatory consultant for FPSC audit /ECCR
 - SONNEN INC. –2 kw battery module, eco 10 8kw for Conservation Demonstration and Development project.
 - A1A SOLAR CONTRACTING – Install Sonnen batteries eco 12 k for Conservation Demonstration and Development project.

Respondent Scott Ranck

b. The Company's process for bidding and selecting vendors.

Company Response: Florida Public Utilities Company may seek proposals to complete certain projects where various candidates, organizations, or consulting firms are available for hire and able to compete in a request for proposal (RFP) process. When an RFP is issued, a fair and extensive evaluation follows and candidates are chosen based on various criteria including industry expertise and capability to realize project goals and ability to meet strict security requirements. The Company considers several factors when bidding and selecting vendors and follows the process below.

Step 1. Establish the Project Scope, Budget & Schedule.

Step 2. Analyze the Supplier Market to determine the number of qualified suppliers.

Step 3. Determine the vendor selection method.

- If a sufficient number qualified vendors exist, the service and/or products are not specialized, and there is sufficient time then the project will be competitively bid as a Request for Quotations (RFQ) or a Request for Proposals (RFP) with at least three or more vendors.
- RFQ's are used when a sufficiently detailed scope of work exists. Vendor selection for an RFQ is based upon the lowest price that meets quality and schedule requirements. If a project budget is minimal, the vendor selection may be based upon informal price quotes or price comparison.
- RFP's are used when a sufficiently detailed scope of work does not exist. Vendor selection for an RFP is based upon best value and includes a technical proposal and a price proposal. RFP evaluations are done by an evaluation team and typical criteria include Company

- Experience, Key Personnel, Methodology/Technical Approach, Capacity, Subcontracting, and Price. Negotiation includes final scope, delivery schedule, terms & conditions, and price.
- If a limited number of qualified vendors exists, the service and/or products are specialized, or there is not sufficient time, then the project will be informally priced or negotiated with one or more qualified vendors.
- If only one qualified vendor exists, the project will be negotiated as a single source or sole source.

Step 4. The project is approved in accordance with FPUC approval authority limits and awarded to the sole-source vendor.

Respondent Scott Ranck

c. The Company's process for sole-sourcing DSM vendors.

Company Response: When a project has been identified as a Sole-Source as per the assessment described above, FPUC follows the process below:

Step 1. A preliminary scope of work, budget and schedule is developed.

Step 2. The project team/manager engages the sole-source vendor to clarify and finalize the scope of work.

Step 3. The project team/manager requests a price proposal from the sole-source vendor.

Step 4. The project team/manager evaluates the price proposal based on similar work performed in the past.

Step 5. If the price is not within budget or not in line with previous project pricing, the project team/manager will enter into negotiations. Negotiations may include a change in project scope, delivery times, unit prices, labor rates, and terms & conditions.

Step 6. If the price is within budget and deemed fair and reasonable, the project is approved in accordance with FPUC approval authority limits and awarded to the sole-source vendor.

Respondent Scott Ranck

d. The Company's list of current sole-sourced third-party vendors and justification for each.

Company Response:

- FAIRWAY OUTDOOR FUNDING LLC - Only service provider for desired billboard location.
- FEDEX – Contract negotiated by FPUC's Procurement Department
- FPL ENERGY SERVICES INC – Specific industry expertise needed to meet project requirements.
- GUNSTER YOAKLEY & STEWART PA – Attorney since 2010.
- MTN INC – Advertising agency of record since 2009. Several firms were considered and participated in vetting process.
- TACTICAL ENERGY SOLUTIONS LLC – Service provider is a former employee and creator of FPU's current DSM plan and Fire Model. Considered only qualified contractor.
- SALESFORCE - Too large to engage in bidding process. Several CRM providers were considered. Company meet cyber security requirements.
- HUBSPOT - Too large to engage in bidding process. Several platforms were considered. Company meet cyber security requirements.
- MARCHEX - Too large to engage in a bidding process. Referred by industry resources.
- BETY MAITRE – Limited number of qualified contractors who specialize in ECCR filings are accessible.
- SONNEN INC. – Limited number of qualified manufactures of this type of specialized battery equipment.
- AIA SOLAR CONTRACTING – Only certified contractor to install Sonnen equipment in North Florida.

Respondent Scott Ranck

Please refer to Schedule CT-2, Pages 2 and 3, of FPUC's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

4. Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.

Company Response: Yes, those expenses included in the Company's filing associated with the 2020 FEECA Goalsetting Docket are as follows:

Florida Power & Light Technical, Potential, Achievable Study [REDACTED]
(FPUC's payment portion for utility collaborative retention of Nexant)

Tactical Energy Solutions Consulting Services [REDACTED]

Respondent Scott Ranck

5. Please provide an overview, by program, of the types of expenditures found in the Other cost category.

Company Response: Following are the types of expenditures found in the Other cost allocation category by program:

Common

Membership & Subscriptions and Uniforms \$ 4,901

- Northeast Florida Builders Association
- Annual Membership Dues
- Chamber Dues
- Meltwater News
- Payroll related expenses

Residential Energy Survey

Payroll related expenses allocated to Membership & Subscriptions \$ 172

Commercial Heating and Cooling

Payroll related expenses allocated to Membership & Subscriptions \$1.00

Commercial Reflective Roof

Payroll related expenses allocated to Membership & Subscriptions \$ 0.33

Commercial Energy Consultations

Payroll related expenses allocated to Membership & Subscriptions \$ 3.00.

Respondent: Scott Ranck

6. Please explain the expense of \$6,089 over the projection under the Legal cost category in Common Costs.

Company Response: The legal expense over projections was incurred for consultation and drafting of the company's responses to the PSC electric conservation audit and the DSM Management Audit.

Respondent Scott Ranck

7. Please provide a breakdown, by program, of the Company's Travel expenses, totaling \$35,372 in 2018.

Company Response: Travel expenses include expenditures related to lodging, meals, seminars and training and cell phone expenses incurred while performing conservation activities.

Provided below is a breakdown of travel expenses by program:

Common	\$30,138
Residential Energy Survey	\$4,483
Low Income	\$62
Commercial Heating and Cooling	\$12
Residential HVAC	\$129
Commercial Reflective Roof	\$41
Commercial Energy Consultation	\$507

Respondent: Scott Ranck

8. Please explain the allocation of the majority of the Company's Advertising charges to Common Costs. What is the Company's rationale for attributing the charges to Common Costs, rather than a specific DSM program?

Company Response

Whenever possible, the Company has been charging expenses to a specific program and sees the Common Costs category as a compilation of multiple programs. The Company does not allocate Common Costs to a specific DSM program when expenses benefit several programs at once. For instance, advertising that reference multiple programs or are broadly focused across several conservation programs are attributed to Common costs.

Respondent Scott Ranck

9. Please explain the variation of \$51,381 over the projection for Outside Services in Common Costs.

Company Response:

The Outside Services variance in Common Costs is attributed to the costs incurred pursuant to the Commission's Review of Numeric Conservation Goals (Docket # 20190017). These costs include the development of FPUC's avoided cost scenarios and the higher-than-budgeted costs to create and compile the input data needed to conduct the technical, economic, and potential analysis for demand side management measures for FPUC.

Respondent Scott Ranck

Please refer to Schedule CT-3, Page 1, of FPUC's May 1, 2019 filing for the following questions.

10. Please explain the credit to the Residential Energy Survey program of \$1,608 in December 2018.

Company Response:

The credit to the Residential Energy Survey program of \$1,608 is the result of a reverse amortization of payment to the third-party company, Opsolve, who provides FPUC's energy audit software. The Company amortized a \$15,120 payment in September of 2017 which was supposed to be fully amortized by August in 2018. However, the amortization of the \$15,120 payment continued through November. The reversed amortization of payments in September, October, and November resulted in the \$1,608 credit in December.

Respondent Scott Ranck

11. Please explain the charges of \$1,238 and \$2,963 in November and December, respectively, in the Low Income Education program. Please explain why the program is only attributed expenses in these two months.

Company Response:

In November and December of 2018, the Company held events in both the northeast and northwest markets at low income housing projects for senior centers. We had 112 participants, served lunch, gave an energy education presentation and distributed blankets to each participant. Low-income events are typically held towards the end of each year which is why the program is only attributed expenses in these two months.

Respondent Scott Ranck

12. Please refer to Line 13 and the Company's Electric Conservation Demonstration and Development program.
- a. Please explain the expense of \$29,032 in September 2018.
 - b. Please explain the expense of \$5,750 in December 2018.

Company Response:

- a. The expense of \$29,032 in September is for the purchase of two ECO 12 KW storage batteries for two solar arrays. We want to study the effectiveness of battery storage on solar photo voltaic systems as a peak shaving opportunity.
- b. The expense of \$5,750 in December is for the installation of one of the battery systems on a photo voltaic array. The second purchased battery was installed in 2019.

Respondent Scott Ranck

13. Please explain the increase/decrease in Common Expenses in the following months.
- a. \$17,464 in June 2017 to \$46,073 in June 2018.
 - b. \$20,352 in August 2017 to \$45,397 in August 2018.
 - c. \$123,120 in December 2017 to \$46,073 in December 2018.

Company Response:

- a. The increase in June 2017 to June of 2018 can be attributed to an increase in payroll expenses, legal expenses incurred for crafting the Company's responses to PSC natural gas conservation audit and FERC filings and consulting support for DSM Goal setting proceedings.
- b. The increase in August 2017 to August 2018 can be attributed can be attributed to legal expenses incurred for crafting the Company's responses to PSC natural gas conservation audit and FERC filings and consulting support for DSM Goal setting proceedings.
- c. The decrease in December 2017 to December 2018 can be attributed to a \$97,127 invoice accrued in December 2017 for the Technical, Potential, and Achievable Study are associated with the 2020 FEECA Goalsetting Docket.

Respondent Scott Ranck

Please refer to Schedule CT-6 of FPUC's May 1, 2019 filing for the following question.

14. On Page 18, FPUC indicated expenditures of \$7,452 on the Commercial Energy Consultant Program, serving 33 participants in 2018. In 2016, the Company spent \$42,277 for 67 participants. In 2017, the Company spent \$45,580 for 13 participants. Please explain how FPUC was able to reduce costs per participant in the program in 2018.

Company Response:

In 2016, our senior conservation specialist received a Certified Energy Manager credential, he assisted and performed some training with the other conservation representatives. This required travel costs to be incurred which raised the cost per consult. In 2017, an outside vendor was hired to do a full grade audit at the customer's request for Jackson Hospital in the Northwest Division. FPL Energy Services was paid \$10,900.00 for their services and made a large impact on the cost per consultation. The reduction in FPUC costs in 2018 could be attributed to employee proficiency on commercial energy consulting and not incurring any outside expense.

Respondent Scott Ranck

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy conservation cost recovery clause. DOCKET NO. 20190002-EG

AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF HILLSBOROUGH)

I hereby certify that on this 23rd day of July, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Scott Ranck, who is personally known to me or has produced his driver's license as identification, and he acknowledged before me that he provided the answers to interrogatory number(s): 1-14 from STAFF'S FIRST SET OF INTERROGATORIES TO FLORIDA PUBLIC UTILITIES COMPANY in Docket No(s). 20190002-EG, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 23rd day of July, 2019.

Makenzie M.S.

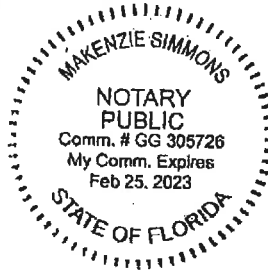
Notary Public

State of FL, at Large

*Scott Ranck 7/23/19
DU#RS20-297-53-471-0*

My Commission Expires:

Feb 25 2023



24

FPUC's Response to Staff's
Second Set of Interrogatories
Nos. 15-19.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 24
PARTY: STAFF – (DIRECT)
DESCRIPTION: Scott Ranck(15-19)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Energy Conservation Cost)
Recovery Clause.)
_____)

Docket No. 20190002-EG

Filed: September 6, 2019

**FLORIDA PUBLIC UTILITIES COMPANY'S RESPONSES TO
THE COMMISSION STAFF'S SECOND AND THIRD SETS OF
INTERROGATORIES (NOS. 15-19) AND (NO. 20)
TO FLORIDA PUBLIC UTILITIES COMPANY**

Florida Public Utilities Company ("FPUC" or "Company") hereby submits its Responses to the Second and Third Sets of Interrogatories (Nos. 15- 19) and (No. 20), served on the Company on August 16 and 28, 2019, respectively, by the PSC Staff. The individual responses follow this cover sheet.

Respectfully submitted,



Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
Tallahassee, FL 32301
(850) 521-1706
*Attorneys for Florida Public Utilities
Company*

RESPONSES TO PSC STAFF'S SECOND AND THIRD SET OF INTERROGATORIES

15. What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.

FPUC Response:

None. The Company proposed in the FEECA Goalsetting docket that it would like to continue its existing programs, with updates, even though it proposed that no goals be established for the Company. Therefore, the Company's ECCR Projections are based upon an assumption of the continuation of the Company's existing DSM programs, rather than upon the Company's proposal for zero goals.

Respondent: Scott Ranck

Please refer to FPUC's August 9, 2019 Filing in Docket No. 20190002-EG to answer the following questions.

16. Please clarify the Program Projections on Schedule C-5, Page 2.

FPUC Response:

The Company originally estimated that 180 energy surveys would be conducted in calendar year 2019 with projected fiscal expenditures of \$98,500. By contrast the company is projecting to conduct 150 energy surveys in the calendar year 2020 with \$85,500 in projected fiscal expenditures.

Respondent: Scott Ranck

17. Please explain the following variations in Actual/Estimated expenses for 2019 (Schedule C-3, Pages 1 and 1A) and Projected expenses for 2020 (Schedule C-2, Page 2).

- a. The increase in Advertising expenses under Common Expenses from \$29,332 in 2019 to \$55,000 in 2020.
- b. The increase in Advertising expenses for the Low Income Program from \$50 in 2019 to \$4,500 in 2020.
- c. The increase in Advertising expenses for the Commercial Heating & Cooling Upgrade program from \$5,954 in 2019 to \$25,000 in 2020.
- d. The increase in Advertising expenses for the Residential Heating & Cooling Upgrade program from \$9,205 in 2019 to \$25,000 in 2020.

FPUC Response:

17 a-d. The company will be taking steps to upgrade the advertising content in its website for all of its conservation programs. The expense for this upgrade is being allocated appropriately through the above programs.

Respondent: Scott Ranck

18. Please refer to Schedule C-3, Pages 1 and 2, to answer the following questions about variances between Actual and Estimated expenses for 2019.

a. Please explain the variance in Labor & Payroll expenses for the Residential Energy Survey program. Actual expenses for the first half of 2019 are shown to be \$14,573, while Estimated expenses for the second half of 2019 are \$35,000.

b. Please explain why FPUC's Actual expenses in the Low Income program for the first half of 2019 are shown to be \$46, or about 2 percent, of its total Actual/Estimated expenses for 2019.

c. Please explain the variation in Advertising expenses under the Commercial Heating & Cooling Upgrade program. Actual expenses for the first half of 2019 are shown to be \$954, while estimated expenses for the second half of 2019 are \$5,000.

d. Please explain the variation in Advertising expenses under the Commercial Chiller Upgrade program. Actual expenses for the first half of 2019 are shown to be \$954, while estimated expenses for the second half of 2019 are \$5,000.

e. Please explain the variation in Advertising expenses under the Commercial Energy Consultation program. Actual expenses for the first half of 2019 are shown to be \$51, while estimated expenses for the second half of 2019 are \$2,500.

FPUC Response:

a. The aftermath of Hurricane Michael adversely impacted customer requests for energy surveys from our Northwest Florida service area during the first half of 2019. The Company anticipates an increased participation for the second half of the year as restoration efforts are completed.

b. Events for the Low Income Program are held in the last quarter of the year. Those expenses will be incurred accordingly.

c-e. The Company strategically restricted spending on these conservation programs during the first half of 2019, in response to the increased spending in the testing involved in the development of the new DSM Program.

Respondent: Scott Ranck

Interrogatory No. 19

19. Please refer to Schedule C-3, Page 3 of 5, Row 6, for the Residential Heating and Cooling Upgrade program. Please explain the credit of \$12,066 recorded for March 2019.

FPUC Response:

These costs were for multiple program outside services involved in the DSM program work. The expenses were erroneously accrued in February in the residential heating and cooling program. In March the accrual was reversed and the invoices were charged and paid out of "Common."

Respondent: Scott Ranck

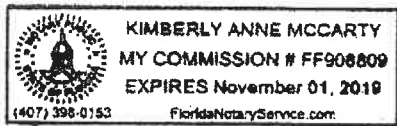
AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF POIK

I hereby certify that on this 20 day of August, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Scott Ranck, who is personally known to me, and he/she acknowledged before me that he/she provided the answers to interrogatory number(s) 15-19 from STAFF'S SECOND SET OF INTERROGATORIES TO FLORIDA PUBLIC UTILITIES COMPANY (NOS. 15-19) in Docket No. 20190002-EG, and that the responses are true and correct based on his/her personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 20 day of August, 2019.



Kimberly Anne McCarty
Notary Public
State of Florida, at Large

My Commission Expires: 11-1-2019

Scott Ranck
8/20/19

25

FPUC's Response to Staff's
Third Set of Interrogatories No.
20.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 25
PARTY: STAFF – (DIRECT)
DESCRIPTION: Scott Ranck(20)

Interrogatory No. 20

20. On August 9, 2019, FPUC filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida's investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following:

- a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors?
- b. Please explain those impacts.

FPUC Response:

- a. The proposed modification to the method for calculating the WACC does not and will not impact the company's energy conservation cost recovery factors.
- b. N/A

Respondent: Scott Ranck

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Energy conservation cost recovery clause. | DOCKET NO. 20190002-EG

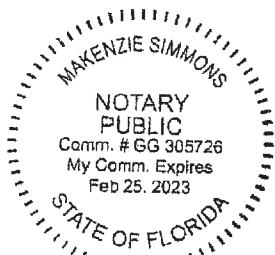
AFFIDAVIT

STATE OF FLORIDA)

COUNTY OF HILLSBOROUGH)

I hereby certify that on this 6TH day of September, 2019, before me, an officer duly authorized in the State and County aforesaid to take acknowledgments, personally appeared Scott Ranck, who is personally known to me or has produced his driver's license as DL# RS20-297-53-471-0 identification, and he acknowledged before me that he provided the answers to interrogatory number(s): 20 from STAFF'S THIRD SET OF INTERROGATORIES TO FLORIDA PUBLIC UTILITIES COMPANY in Docket No(s). 20190002-EG, and that the responses are true and correct based on his personal knowledge.

In Witness Whereof, I have hereunto set my hand and seal in the State and County aforesaid as of this 6TH day of September, 2019.



Makenzie Simmons
Notary Public
State of Florida, at Large

My Commission Expires:
Feb 25, 2023

Scott Ranck 9/6/19

**GULF's Response to Staff's
First Set of Interrogatories Nos.
1-11. (No. 5 is confidential)
(Confidential Document No.
06107-2019)**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 26
PARTY: STAFF – (DIRECT)
DESCRIPTION: John N. Floyd(1-11)

- For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.

ANSWER:

Residential Programs	RIM	Participants	TRC
HVAC Maintenance	0.561	5.208	1.919
HVAC Quality Installation	0.586	7.747	2.157
HVAC Duct Repair	0.727	1.377	0.944
High Performance Window	0.593	1.315	0.687
Reflective Roof	0.438	3.758	1.261
Energy Star Window AC	0.265	3.460	0.397
Community Energy Saver	0.398	22.695	1.547
Energy Select	0.894	99.900	1.693
Commercial Programs	RIM	Participants	TRC
HVAC Retrocommissioning	0.470	4.718	1.289
Geothermal Heat Pump	0.596	1.506	1.019
Ceiling/Roof Insulation	0.647	2.755	1.369
Reflective Roof	0.566	1.958	1.024
Critical Peak Option	1.000	99.900	24.516
Curtailable Load	1.000	99.900	27.768

2. How does the Company develop its DSM advertising and determine which programs to promote through advertising?

ANSWER:

Gulf Power's Corporate Communications group works with Gulf's DSM program managers to develop strategic advertising and marketing campaigns designed to educate customers, increase their awareness of ways they can be more energy efficient, and help them reduce their energy bills. The advertising campaigns target customers across Gulf's service area and include paid ads (digital ads, digital video, social media, outdoor, radio, print and native advertising) combined with content on Gulf's web site, social media posts, bill inserts, news releases and branded content. Content includes useful energy efficiency tips and helpful programs like free energy audits and Energy Select.

The Company has chosen to advertise the Energy Audit program as a gateway for information and education about other DSM programs.

Gulf advertises the Energy Select program separately as it is a unique offering that includes energy management equipment provided to the customer and a special electric service rate. Gulf does not advertise the Community Energy Saver program in the traditional way since it is a proactive program whereby Gulf identifies certain geographic areas and targets customers in those neighborhoods. For the residential HVAC Efficiency program and Commercial Retrocommissioning program, Gulf primarily relies on participating trade allies to promote the availability of program benefits and incentives as part of their advertising and promotional efforts.

In addition to employing traditional advertising, Gulf's energy consultants promote DSM programs while addressing specific issues during on-site energy audits. The consultants also promote DSM programs during trade shows and community education events.

3. For each DSM program that contracts third-party vendors, please provide any updates or changes to the Company's third-party vendors that have occurred since the Company answered this question in 2018.
- a. The Company's list of vendors.
 - b. The Company's process for bidding and selecting vendors.
 - c. The Company's process for sole-sourcing DSM vendors.
 - d. The Company's list of current sole-sourced third-party vendors and justification for each.

ANSWER:

Gulf has not had a change in any third-party vendors or processes since the Company answered this question in 2018.

Please refer to Schedule CT-3, Pages 1 and 2, of GULF's May 1, 2019 filing in Docket No. 20190002-EG to answer the following questions.

4. Please provide an overview, by program, of the types of expenditures found in the Materials & Expenses cost category.

ANSWER:

An overview, by program, of the types of expenditures found in Materials & Expenses category are shown below:

Number	Program	Expenditure Type
1	Residential Energy Audit and Education	Contract Services
		Materials
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Training
		Meals & Travel
2	Community Energy Saver	Contract Services
		Program Expenses
		Southern Company Services Support
		Telecommunication
3	Residential Custom Incentive	Contract Services
		Program Expenses
		Southern Company Services Support
		Meals & Travel
4	HVAC Efficiency	Contract Services
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Meals & Travel

Staff's First Set of Interrogatories
 GULF POWER COMPANY
 Docket No. 20190002-EG
 July 29, 2019
 Item No. 4
 Page 2 of 3

Number	Program	Expenditure Type
5	Residential Building Efficiency	Contract Services
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Training
		Meals & Travel
6	EnergySelect	Contract Services
		Materials
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Meals & Travel
7	Commercial / Industrial Audit	Contract Services
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Training
		Meals & Travel
8	HVAC Retrocommissioning	Contract Services
		Program Expenses
		Southern Company Services Support
9	Commercial Building Efficiency	Contract Services
		Office Supplies
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Training
		Meals & Travel
10	Commercial / Industrial Custom Incentive	Contract Services
		Program Expenses
		Southern Company Services Support
		Meals & Travel

Staff's First Set of Interrogatories
 GULF POWER COMPANY
 Docket No. 20190002-EG
 July 29, 2019
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 Page 3 of 3

Number	Program	Expenditure Type
11	Residential Time of Use Rate Pilot	Contract Services
		Program Expenses
		Southern Company Services Support
12	Conservation Demonstration and Development	Contract Services
		Program Expenses
		Southern Company Services Support
		Telecommunication
		Meals & Travel
13	Critical Peak Option	Program Expenses

5. Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.

ANSWER:

Yes, the Company did incur consultant expenses associated with performing the Technical Potential and Achievable Potential studies utilized in the 2020 FEECA Goalsetting Docket. For 2018, these expenses totaled [REDACTED]. As with previous DSM goalsetting dockets, Gulf has recovered these expenses as a necessary part of satisfying the Commission requirements for establishing goals that lead to DSM programs.

6. Please explain the increase in expenses under Capital Return, Property Taxes & Depreciation for the Energy Select program from \$2,555,257 in 2017 to \$3,238,745 in 2018.

ANSWER:

The increase in expenses under Capital Return, Property Taxes & Depreciation for Energy Select is primarily due to a depreciation rate change. The depreciation rate was adjusted as a result of Commission Order No. PSC-17-0178-S-EI approving the Stipulation and Settlement Agreement in Docket No. 160186-EI. The depreciation rate for Distribution Plant 370 Meters was increased to 7.9 percent from the previous rate of 2.7 percent.

7. Please explain the expense of \$192,434.95 over the projection in the Materials & Expenses cost category for the Community Energy Saver program.

ANSWER:

The Materials and Expenses in Community Energy Saver program exceeded the projection due to more participating customers than projected. For the year, a total of 3,272 customers participated compared to the projection of 3,000.

8. Please refer to Line 8 on Page 2, and the Company's HVAC Retrocommissioning program.
 - a. Please explain the increase in Payroll & Benefits from \$65,003.95 in 2017 to \$94,828.55 in 2018.
 - b. Please explain the decrease in Material & Expenses from \$41,170.97 in 2017 to \$19,035.66 in 2018.

ANSWER:

- a. The increase in Payroll & Benefits was a result of adjusting the salary allocation of the program manager to more accurately reflect the proportion of time spent on the HVAC Retrocommissioning program.
- b. The decrease in Material & Expenses is due to lower participation than projected.

9. Please refer to Schedule CT-6, Page 12. Please explain the decrease in total expenses for the Critical Peak Option program. In 2017, the program cost \$467,285.31 for 25 participants. In 2018, Gulf only attributed \$60,404.87 to the program, despite no change in the number of participants.

ANSWER:

In 2017, the CPO credit was \$7.47 per kW. In 2018, those credits were reduced to \$2.14 per kW. Additionally, in 2018, participating customers paid \$191,239.00 in critical peak demand charges, which further reduced the net expenditures of the program to \$60,404.87.

10. Schedule CT-6, Page 4 indicates actual expenses of \$60,441 for GULF's Residential Custom Incentive Program. The program did not enroll any customers in 2018. Please explain the expenses incurred.

ANSWER:

The expenses incurred in the Residential Custom Incentive Program represent program management and associated IT support. The program manager works with customers to evaluate potential incentives for projects under the Residential Custom Incentive Program.

11. Please refer to Schedule CT-6, Page 9, and GULF's Commercial HVAC Retrocommissioning Program. According to the program's accomplishments and expenditures, the program missed its participation goal by 69 percent, yet it accrued 8.3 percent more than projected in expenses. Please explain.

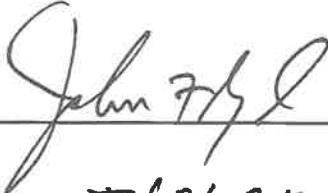
ANSWER:

Gulf's Commercial HVAC Retrocommissioning program is under budget compared to the projection by (\$24,745) or (16.7%) due to less participation than projected. The program expenditures value stated in Schedule CT-6, page 9 was inadvertently misstated. As shown on Schedule CT-3, page 2 of 5, the actual expenditures for Commercial HVAC Retrocommissioning program was \$123,708.97 representing \$24,745.03 below projection (Schedule CT-3, page 1 of 5).

DECLARATION

I sponsored the answer to Interrogatory Nos. 1-11 from **STAFF'S FIRST SET OF INTERROGATORIES (NOS. 1-11)** to Gulf Power Company in Docket No. 20190002-EG. 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.



Date: Jul 26, 2019

27

**GULF's Response to Staff's
Second Set of Interrogatories
Nos. 12-19.**

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 27
PARTY: STAFF – (DIRECT)
DESCRIPTION: John N. Floyd(12-19)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION


In re: Conservation Cost)
Recovery Clause)
_____)

Docket No. 20190002-EG

GULF POWER COMPANY'S RESPONSES TO
STAFF'S SECOND SET OF INTERROGATORIES (NOS. 12-19)

GULF POWER COMPANY ("Gulf Power", "Gulf", or "the Company"), by and through its undersigned counsel, hereby submits the Company's responses to Staff's Second Set of Interrogatories (Nos. 12-19) on the following pages.

Respectfully submitted by electronic mail this 16th day of September, 2019.


RUSSELL A. BADDERS
VP & ASSOCIATE GENERAL COUNSEL
Florida Bar No. 007455
GULF POWER COMPANY
One Energy Place
Pensacola, FL 32520-0100
(850) 444-6550

STEVEN R. GRIFFIN
Florida Bar No. 0627569
BEGGS & LANE
P. O. BOX 12950
PENSACOLA FL 32591-2950
(850) 432-2451
ATTORNEYS FOR GULF POWER

12. What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.

ANSWER:

The goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have no impact on the Company's 2020 ECCR Projections. The 2020 ECCR projections were established based on continued implementation of the currently-approved 2015 Demand Side Management Plan.

Please refer to staff's audit report, filed June 24, 2019 in Docket No. 20190002-EG to answer the following questions.

13. What was the cause of the interest rate calculation error?

ANSWER:

The cause of the interest rate calculation error was the selection of an incorrect cell in the journal voucher (JV) file which is used as the source document when developing the schedules.

14. Has the Company made any changes to its procedures to prevent similar errors in the future? If yes, please describe the changes.

ANSWER:

Yes. The secondary review process has been expanded to ensure the correct source information is included in all schedule calculations and to verify that the program information in the CT-6 schedules matches the Annual DSM Progress report and CT-3 Schedule. As a result of these process improvements, the Company identified additional inaccuracies in the CT-6 Schedule filed on May 1, 2019. These inaccuracies are all reflective of the use of interim data in preparation of the CT-6 Schedule and do not impact the CT-3 Schedule actual expenditures nor the final true-up amount as presented in Schedule CT-1 as amended by errata June 20, 2019. In order to correct these inadvertent inaccuracies, the Company is submitting a revised CT-6 Schedule coincident with this interrogatory response.

15. Please list the Company's procedures used to verify the accuracy of the data filed in its ECCR testimony, CT, and C schedules.

ANSWER:

A preliminary draft of all testimony and schedules is prepared based on expenditures reflected in the Company's general ledger. Program participation values are updated based on the annual DSM Progress report. The preliminary draft is independently reviewed by an analyst who was not involved in the original creation of the testimony or schedules. Upon completion of this review and any updates or revisions, the testimony and schedules are reviewed by the supporting witness for accuracy. This draft, with any updates or revisions, is then circulated for review by a broader review team. Review team comments are then incorporated into the draft and shared with the supporting witness to ensure accuracy.

16. Please explain why the Company reported participation results in its ECCR filings that differed from its 2018 Annual FEECA Program Progress Report, dated March 1, 2019.

ANSWER:

The program participation data utilized in preparation of the true up filing was based on a preliminary version of the 2018 Annual FEECA Program Progress Report and not the final version that was ultimately filed on March 1, 2019.

Please refer to GULF's August 9, 2019 Filing in Docket No. 20190002-EG to answer the following questions.

17. Please explain the variance in expenses for the HVAC Efficiency program between 2019 and 2020. Schedule C-2, Page 1 projects the total expenses for 2020 as \$1,369,681. Schedule C-3, Page 1a shows the Actual/Estimated total expenses for 2019 as \$934,470.

ANSWER:

The 2019 Actual/Estimated expenses reflect a lower than expected customer participation for 2019. Lower customer participation resulted in a lower projection of program expenditures for 2019. The 2020 projection for HVAC Efficiency is based on achieving the customer participation as reflected in the 2015 Demand Side Management Plan.

18. Please refer to Schedule C-3, Pages 1a and 1b, to answer the following questions about variances in the actual and estimated values for 2019.
- a. Please explain the credit of \$45,393 under Advertising for the Residential Energy Audit and Education program.
 - b. Please explain the increase in Materials & Supplies expenses under the Residential Energy Audit and Education program. The actual expenses for the first half of 2019 are \$7,233, while the second half estimate is \$22,533.
 - c. Please explain the increase in Incentives under the HVAC Efficiency program. The actual expenses for the first half of 2019 are \$12,401, while the second half estimate is \$252,599.
 - d. Please explain the increase in Incentives under the Residential Building Efficiency program. The actual expenses for the first half of 2019 are \$96,634, while the second half estimate is \$242,975.
 - e. Please explain the increase in Incentives under the Commercial Building Efficiency program. The actual expenses for the first half of 2019 are \$12,405, while the second half estimate is \$80,000.
 - f. Please refer to the Residential Time of Use Rate Pilot program.
 - 1) Please describe the Materials and Supplies that are projected to be needed for this program in the second half of 2019.
 - 2) Please explain why \$10,000 of Materials and Supplies are projected to be needed for this program when \$0 Incentives are projected for the July through December period.

ANSWER:

- a. The credit in Residential Energy Audit and Education program under Advertising is a result of 2018 invoices that were accrued in 2018. Due to the Company being acquired by NextEra Energy in January 2019, the corresponding reversal of that accrual did not flow through as would have occurred in previous years.
- b. The increase in Materials and Supplies expense in the Residential Energy Audit and Education program is for supplies related to the School Education program.
- c. The increase in incentives under the HVAC Efficiency program is based on updated projections of program activity from the program vendor.

- d. The increase in incentives under the Residential Building Efficiency program is based on updated projections of customer enrollments through the remainder of 2019.
- e. The increase in incentives under the Commercial Building Efficiency program is based on updated projections of customer enrollments through the remainder of 2019.
- f.
 - 1. The projected Material and Supplies that will be needed for this program are annual vendor licensing fees associated with continuation of the Residential Time of Use Pilot that are scheduled to be paid the second half to 2019.
 - 2. The \$10,000 is the projected amount of the licensing fees associated with the Residential Time of Use Pilot due to be paid during the second half of 2019.

19. Please refer to the Company's Conservation Demonstration and Development program.
- a. Please explain \$0 total expenses for the Conservation Demonstration and Development program in 2019 (Schedule C-3, Page 1b) in light of the Company previously projecting \$250,000 expenses in the program (Schedule C-2, Page 1, from GULF's August 10, 2018 filing in Docket No. 20180002-EG).
 - b. Please explain the expenses of \$75,000 in the program for 2020 (Schedule C-2, Page 1).


ANSWER:

- a. Gulf projected expenditures up to \$250,000 for the 2019 period in order to provide funding for any ongoing or new Conservation Demonstration and Development initiatives that might arise in 2019. Year to date, there are no ongoing expenses, and the Company has not initiated any new Conservation Demonstration and Development projects for 2019.
- b. The expenses of \$75,000 provide a budget for any new Conservation Demonstration and Development initiatives that will be pursued for 2020.

DECLARATION

I sponsored the answer to Interrogatory Nos. 12-19 from **STAFF'S SECOND SET OF INTERROGATORIES (NOS. 12-19)** to Gulf Power Company in Docket No. 20190002-EG. 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.



Date: 7/11/19

28

GULF's Response to Staff's
Third Set of Interrogatories No.
20.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 28
PARTY: STAFF – (DIRECT)
DESCRIPTION: John N. Floyd(20)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION


In re: Conservation Cost)
Recovery Clause)
_____)

Docket No. 20190002-EG

GULF POWER COMPANY'S RESPONSES TO
STAFF'S THIRD SET OF INTERROGATORIES (NO. 20)

GULF POWER COMPANY ("Gulf Power", "Gulf", or "the Company"), by and through its undersigned counsel, hereby submits the Company's responses to Staff's Third Set of Interrogatories (No. 20) on the following pages.

Respectfully submitted by electronic mail this 27th day of September, 2019.



RUSSELL A. BADDERS
VP & ASSOCIATE GENERAL COUNSEL
Florida Bar No. 007455
GULF POWER COMPANY
One Energy Place
Pensacola, FL 32520-0100
(850) 444-6550

STEVEN R. GRIFFIN
Florida Bar No. 0627569
BEGGS & LANE
P. O. BOX 12950
PENSACOLA FL 32591-2950
(850) 432-2451
ATTORNEYS FOR GULF POWER

20. On August 9, 2019, GULF filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following:
- a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors?
 - b. Please explain those impacts.

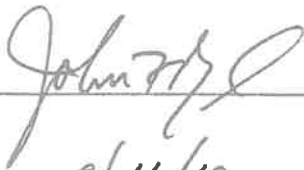
ANSWER:

The earliest possible impact to Gulf Power's Energy Conservation Cost Recovery (ECCR) factors would be the ECCR factors proposed for 2021. Gulf has determined that the Limitation Provision, as described in the Joint Motion, is met or exceeded, and no adjustments are necessary to the WACC utilized in the testimony and exhibits filed by Gulf on August 9, 2019.

DECLARATION

I sponsored the answer to Interrogatory No. 20 from **STAFF'S THIRD SET OF INTERROGATORIES (NO. 20)** to Gulf Power Company in Docket No. 20190002-EG. 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.



Date: 9/16/19

29

TECO's Response to Staff's
First Set of Interrogatories Nos.
1-15.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 29
PARTY: STAFF – (DIRECT)
DESCRIPTION: Mark Roche(1-15)

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Energy Conservation Cost
Recovery Clause))**

**DOCKET NO. 20190002-EG
FILED: JULY 29, 2019**

**TAMPA ELECTRIC COMPANY'S
ANSWERS TO FIRST SET OF INTERROGATORIES (NOS. 1-15)
OF
FLORIDA PUBLIC SERVICE COMMISSION STAFF**

Tampa Electric files this its Answers to Interrogatories (Nos. 1-15) propounded and served on June 28, 2019 by the Florida Public Service Commission Staff.

TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
INDEX TO STAFF'S FIRST SET OF INTERROGATORIES (NOS. 1-15)

<u>Number</u>	<u>Witness</u>	<u>Subject</u>	<u>Bates Stamped Page</u>
1	Roche	For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.	1
2	Roche	How does the Company develop its DSM advertising and determine which programs to promote through advertising?	33
3	Roche	For each DSM program that contracts third-party vendors, please provide any updates or changes to the following that have occurred since the Company's May 1, 2018 filing in Docket No. 20180002-EG: <ul style="list-style-type: none"> a. The Company's list of vendors. b. The Company's process for bidding and selecting vendors. c. The Company's process for sole-sourcing DSM vendors. d. The Company's list of current sole-sourced third-party vendors and justification for each. 	34
4	Roche	Please provide an overview, by program, of the types of expenditures found in the Other cost category.	39
5	Roche	Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.	43
6	Roche	Please refer to TECO's Energy Planner program. <ul style="list-style-type: none"> a. Please explain the reduction in Outside Services expenses in 2018 under the program. TECO charged \$544,502 under Outside Services in the program in 2018. In 2017, TECO charged \$1,221,108 to Outside Services in this program. b. Please explain the increase in Advertising expenses in 2018 under the program. TECO charged \$501,970 to Advertising for the program in 2018. In 2017, TECO charged 	44

		\$184,770 to Advertising in this program.	
7	Roche	Please explain the reduced costs in the Conservation Research and Development program. In 2017, TECO's program costs equaled \$61,518, compared to \$751 in 2018.	45
8	Roche	The following table shows TECO's Common Expenses for all DSM programs since 2016 (Schedule CT-2, Page 2, Docket Nos. 20170002-EG, 20180002-EG, 20190002-EG). Please describe any steps the Company has taken to reduce common expenses in its DSM programs.	46
9	Roche	Please refer to the LED Street and Outdoor Lighting Conversion Program. a. Please explain the reason for all charges in the LED Street and Outdoor Lighting Conversion Program being attributed to the Other cost category. b. Please explain the reasons for the \$2,440,815 variance under the Other cost category. c. Please explain the credits for the program. Page 2 of Schedule CT-2 shows a total credit of (\$125,991), while Page 3 shows that this was a difference of \$130,597 from the projection. d. Are the credits any indicator of the success of the program?	47
10	Roche	Please refer to the Industrial Load Management program. Please explain the expenses under Incentives in 2018 for the program. In 2017, TECO charged \$16,811,148 to incentives in this program. TECO charged \$17,561,103 to incentives for the program in 2018, while adding one participant.	49
11	Roche	Please refer to the Standby Generator Program. Please explain the increase in total costs for the program. In 2017, TECO charged \$2,983,804 to this program. TECO charged \$3,738,152 to cost for the program in 2018, while adding one participant.	50
12	Roche	Please explain the variation in expenses per month for the Demand Response program. For example, expenses in April 2018 were \$970,066, and expenses	51

		in June 2018 were \$577.	
13	Roche	Please explain the charges in Common Expenses in July 2018. The amount totaled \$183,888. The next highest amount is \$88,650.	52
14	Roche	The following table shows the cost per installation in the Energy Planner program over the past three years. Please explain the diminished cost per participant in 2018. TECO indicates reduced costs in 2018, despite an additional 173 participants.	53
15	Roche	The following table shows the cost per installation since 2016 in the Standby Generator program. Please explain the rise in cost per installation in 2018.	54

Mark Roche
Manager, Rates

Tampa Electric Company
702 N. Franklin Street
Tampa, Florida 33602

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S FIRST SET OF
INTERROGATORIES
INTERROGATORY NO. 1
PAGE 1 OF 32
FILED: JULY 29, 2019**

1. For each existing Demand-Side Management (DSM) program, please provide the results of updated Participants, Rate Impact Measure (RIM), and Total Resource Cost (TRC) cost-effectiveness tests in Excel format.
 - A. The tables below provide the cost-effectiveness results of the Rate Impact Measure Test ("RIM"), Participant Cost Test ("PCT") and Total Resource Cost Test ("TRC") for each of Tampa Electric's current Residential and Commercial/Industrial Demand Side Management ("DSM") programs. Tampa Electric is also providing the cost-effectiveness results in Excel format on the accompanying CD, (BS 03) – (BS 32).

Residential Existing DSM Programs Summary

Residential Existing DSM Programs Summary			
Program	RIM Value	PCT Value	TRC Value
Residential Ceiling Insulation	0.80	2,789	1.04
Residential Duct Repair	0.78	373	1.07
Residential Electronically Commutated Motors (ECM)	0.74	3	0.58
Energy Education, Awareness and Agency Outreach	0.59	624	9.83
ENERGY STAR for New Multi-Family Homes	0.82	1,545	0.80
ENERGY STAR for New Homes	0.70	1,403	0.84
Residential Heating and Cooling	0.92	628	1.16
Neighborhood Weatherization	0.59	34,394	6.19
Residential Price Responsive Load Management (Energy Planner)	3.28	1,299	4.03
Residential Wall Insulation	0.78	20	0.89
Residential Window Replacement	0.79	1,881	1.35

TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S FIRST SET OF
INTERROGATORIES
INTERROGATORY NO. 1
PAGE 2 OF 32
FILED: JULY 29, 2019

Commercial Existing DSM Programs Summary

Commercial Existing DSM Programs Summary			
Program	RIM Value	PCT Value	TRC Value
Commercial Ceiling Insulation	0.96	969	2.56
Commercial Chiller	0.79	691	1.25
Conservation Value	0.53	1,649	1.52
Cool Roof	0.85	117	0.58
Commercial Cooling	0.65	640	1.05
Demand Response	1.01	2,103	86.89
Commercial Duct Repair	1.06	4,078	6.64
Commercial Electronically Commutated Motors (ECM)	1.12	36	3.53
LED Street and Outdoor Lighting Conversion Program	1.18	61,395	2.36
Lighting Conditioned Space	1.11	8,576	4.03
Lighting Non-Conditioned Space	1.32	4,918	2.01
Lighting Occupancy Sensors	0.80	1,617	5.23
Commercial Load Management (GSLM 1 - Cyclic)	2.17	11	5.02
Commercial Load Management (GSLM 1 - Extended)	2.15	160	42.44
Refrigeration Anti-Condensate Control	1.00	58	2.25
Standby Generator	1.44	1,282	7.07
Thermal Energy Storage	0.53	4,122	1.54
Commercial Wall Insulation	0.75	3	0.85
Commercial Water Heating	0.88	7	1.15

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2. How does the Company develop its DSM advertising and determine which programs to promote through advertising?

A. Advertising is focused heavily on promoting the Energy Audit and Energy Planner programs, and at the same time by promoting these two programs, it creates awareness of the many other residential and commercial/industrial energy-saving programs offered to customers. The Energy Audit is the company's "umbrella" program that encourages customers to schedule time with one of the company's energy analysts to inspect the customer's home or business, so they can identify areas of opportunity where customers can conserve energy. In addition, the energy analysts will educate customers about the many other programs and make suggestions that will offer additional savings. The company's innovative Energy Planner program provides variable rates, control over energy costs and convenient features such as a secure online portal – features that customers are seeking and requesting from Tampa Electric.

Tampa Electric's Corporate Communications and Regulatory Departments work closely with the company's advertising agency to develop a marketing and communications plan that utilizes print, online, radio and television multimedia. Each quarter, the marketing and communications plan results are reviewed and, when necessary, changes are made to ensure that performance is meeting or exceeding industry benchmarks.

All advertising the company promotes includes a strong call-to-action to visit Tampa Electric's website that provides details about the benefits of participating in each of the company's Commission approved DSM programs. In addition, customers are encouraged to call Tampa Electric's Energy Management Services Department to learn more and sign up to participate in our programs.

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3. For each DSM program that contracts third-party vendors, please provide any updates or changes to the following that have occurred since the Company's May 1, 2018 filing in Docket No. 20180002-EG:
- a. The Company's list of vendors.
 - b. The Company's process for bidding and selecting vendors.
 - c. The Company's process for sole-sourcing DSM vendors.
 - d. The Company's list of current sole-sourced third-party vendors and justification for each.
- A.
- a. Below is the company's list of vendors utilized by Tampa Electric to assist in supporting the operations of the company's Commission approved DSM programs:
 - Air Bud
 - Alternative Energy Applications
 - AM Conservation
 - Caldeco
 - COI Empowerment and Energy Services, Inc
 - Comverge/Itron
 - Direct Technology
 - Enernoc
 - Howard's Electric
 - Roman and Son's
 - Tampa Hillsborough Action Plan
 - b. Tampa Electric selects third-party vendors through a competitively bid request for proposal ("RFP") process unless the vendor is a preferred vendor. Below is an overview of the company's RFP process for the selection of third-party vendors:

Tampa Electric begins the process for bidding and selecting vendors by the associated department creating a request in a Share Point site, which will assign the RFP request a contracts administrator. In some cases, the department may require a Request for Information ("RFI") first before proceeding into the RFP, leading to the bidding and selection of vendors.

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Once the contracts administrator is assigned, the department and contracts administrator will develop the expected timeline for the RFP. After developing and agreeing on the timeline the department will develop the scope of work which includes the following:

- Program background
- The work to be performed
- Performance expectations
- Quality assurance
- Contractor's resource requirements
- Insurance/return of materials
- Tampa Electric responsibility

The department will develop a list of potential vendors that can or have advertised that they can perform the work. The department and contracts administrator will work together to develop a qualitative criteria questionnaire required to bid which includes items such as:

- Company profile
- Company capabilities
- Security
- Employee qualifications/recruitment
- Quality assurance/training
- Management/supervision
- Work plan/service management
- Payment processing/invoicing
- Contingency services/additional services/benefits

Once the scope of work and qualitative criteria questionnaire is developed, the contracts administrator will prepare an invitation to bid, notification of intent to bid, general conditions, scope of work and qualitative questionnaire. The contracts administrator will send out the full package to vendors participating in the RFP. This package will provide specific instructions to the vendors on how to submit the proposal to fully perform the services. The proposal from the vendor must be developed and submitted in accordance with and in consideration of the RFP instructions.

The contracts administrator will collect and formalize the bid packages from potential vendors whom have submitted with intent to bid.

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The department and any additional team members from other departments will separately review and score each vendor from the responses provided on the qualitative questionnaire and will send their scores to the contracts administrator.

The department, any additional team members and contracts administrator will meet as a committee for a final consensus of scoring. The committee will discuss the RFP submittal responses as it relates to each member's individual qualitative questionnaire ratings to reach consensus. The committee will analyze the qualitative versus quantitative values and discuss the key areas of the program's contract (risk, safety, agreement's expectations, etc.) and recommend a decision and follow up plan based on the RFP outcome (to award or not to award the vendor or the contract).

- c. Tampa Electric's third-party RFP process is the preferred method for obtaining outside assistance in supporting the company's Commission approved DSM programs. The company does allow the selection of a sole sourced vendor or preferred vendor to perform outside assistance in supporting the company's Commission approved DSM programs. When a service or item is determined by the department to be non-competitive in nature and is available from only one vendor, using both current and past business history of performance for delivery of products or services is taken into consideration as well as many other justifications based on that vendor.

For selection of a sole sourced vendor, the department seeking assistance must prove the following:

- The vendor will be selected by a formal RFP process.
- The vendor has the capability to perform the work in accordance with the associated programs DSM standards.
- The vendor can consistently deliver goods and or services in a timely manner.
- The vendor works competitively to keep costs low for purchasing materials and delivering services.
- The vendor's service and materials provided are maintained to achieve more than acceptable service, accountability, value and efficiency.
- The vendor commits to a business relationship of collaboration and transparency in work, invoicing and reporting.
- The vendor provides efficient, user friendly teams to work seamless with the DSM program which allows the company to save money and exceed customer service expectations.

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For selection of a preferred vendor, the department seeking assistance must prove the following:

- The vendor is already doing business with Tampa Electric supporting the same or another DSM program.
- The vendor has the capability to perform the work in accordance with the associated program's DSM standards.
- The vendor's pricing is in alignment with other vendors that perform the same work.
- Tampa Electric's Procurement Department must sign off on the vendor being a preferred vendor for that specific work.

d. Below is the list of the current sole-sourced third-party vendors and the justification for each:

- **Alternative Energy Applications:** supports delivering the residential Neighborhood Weatherization program in a unique method of delivering services related to the installation of energy efficiency measures in customers' homes, previously identified and pre-qualified as low-income residential customers. In addition, to the kit delivery and installation, the vendor may be required to perform duct seal and provide ceiling insulation when the customer meets eligibility requirements at the same time the kit is being installed. A one-stop shop service for all customer weatherization needs.
- **AM Conservation:** supports providing the energy efficiency Kit-B and Kit-C for the company. AM Conservation is a manufacturer of quality, high efficiency showerheads, aerators and light emitting diode ("LED") bulbs. They are also a national reliable service provider serving other utilities which provides the opportunity to deliver a more cost effective and efficient program based on prior conservation program management experience, offering industry reliability and quality responsiveness to customers' needs.
- **Comverge:** was selected in 2005 to deliver the pilot Energy Planner program. At that time, vendors who had the technology, both hardware and software, to deliver a time of use, critical peak pricing program with utility owned thermostats and devices was extremely limited. Comverge was known in the industry as being a leader in this space and Gulf Power already had a similar program, utilizing Comverge. As a result, Comverge was selected to deliver the pilot. Contract Administration worked with the department and the vendor to develop and execute an agreement to meet business needs.

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- Roman and Son's: provides support to the Commercial/Industrial Energy Audit – paid by performing the installation of power logging equipment in energized customer's switchgear or electrical panels. Roman and Son's became the sole source vendor due to the quality of work performed and the pricing that was in the market.
- Enernoc: has provided turnkey services since 2007. The vendor conducts the marketing, recruitment and retention activities required to retain participating facilities and customers for the program in addition to the following functions for supporting the program:
 - Monitor such participating facility's electrical energy usage
 - Communicate with the participating customer of such participating facility
 - Control participating facility's electrical energy usage to enable vendor to achieve the committed load reduction
 - Report monthly nomination, event management
 - Facilitate incentives quarterly to participating customers
- COI Empowerment and Energy Services, Inc: is implementing their Energy Optimizer Network that will support Tampa Electric's Standby Generator Program with the following functions:
 - Migrate Tampa Electric's ninety-four plus enrolled customer to the COI Energy Optimizer Network
 - Perform monthly services with their Energy Optimizer
 - Identify the facilities and resources of prospective customers for integration into the Energy Optimizer Network
 - Perform necessary process and controls engineering tasks to complete such integration
 - Provide event management

Please refer to Schedule CT-2, Pages 2 and 3, of TECO's May 1, 2019 filing to answer the following questions.

4. Please provide an overview, by program, of the types of expenditures found in the Other cost category.

A. In 2018, Tampa Electric incurred "Other" expenditures in the amount of \$4,265,033. These expenditures benefit the individual residential and commercial/industrial DSM Program that is being charged. The overview of expenditures within each of the company's Commission approved DSM programs that incurred costs in the "Other" category in 2018 are detailed below:

- **Residential Walk-Through Energy Audit (Free Energy Check):**
 - Professional dues and fees for residential analysts
 - Training for residential energy analysts
 - Travel and lodging for conference
 - Shoes and uniforms
 - Printing of program materials
 - Parking and tolls
 - Equipment material for events
 - Telecom utilities
- **Residential Computer Assisted Energy Audit (RCS):**
 - Energy Gauge renewal
- **Residential Customer Assisted Energy Audit (Online):**
 - Parking and postage
 - Printing
- **Residential Ceiling Insulation:**
 - Professional dues and fees
 - Training for conference
 - Travel and lodging for conference
 - Parking and tolls
- **Residential Duct Repair:**
 - Professional dues and fees
 - Training for conference
 - Travel and lodging for conference
 - Parking and tolls
 - Printing
- **Energy Education, Awareness and Agency Outreach:**
 - Professional dues and fees

- Printing of program materials
- Junior Achievement participation
- Parking and tolls
- **ENERGY STAR for Multi-Family:**
 - Travel and lodging for conference
- **ENERGY STAR for New Homes:**
 - Professional dues and fees for TBBA Membership
 - Travel and lodging for conference
 - Training for conference
 - Parking and tolls
- **Residential Heating and Cooling:**
 - Professional dues and fees
 - Training for conference
 - Travel and lodging for conference
 - Parking and tolls
- **Neighborhood Weatherization:**
 - Training for conference
 - Parking and tolls
 - Registration fees for events
 - Printing of posters and yard signs
- **Energy Planner:**
 - Professional dues and fees
 - Training for conference
 - Travel and lodging for conference
 - Parking and tolls
 - Printing of program advertisement and materials
 - Telecom utilities
 - Shipping of program materials
 - Settlements/claims
 - Tampa Home Show event
- **Residential Window Replacement:**
 - Professional dues and fees
 - Travel and lodging for conference
 - Training for conference
- **Commercial/Industrial Audit (Free):**
 - Professional dues and fees for commercial analysts
 - Training for commercial energy analysts
 - Travel and lodging for conference
 - Printing of program materials
 - Parking and tolls

- Telecom utilities
- **Commercial Cool Roof:**
 - Parking and tolls
- **Demand Response:**
 - Professional dues and fees
 - Travel and lodging for conference
- **LED Street and Outdoor Lighting Conversion:**
 - Net Book Value for street light conversions
- **Lighting Conditioned Space:**
 - Professional dues and fees
 - Travel and lodging for conference
 - Parking and tolls
- **Lighting Non-Conditioned Space**
 - Professional dues and fees
 - Travel and lodging for conference
 - Parking and tolls
- **Refrigeration Anti-Condensate:**
 - Printing
 - Postage
- **Standby Generator:**
 - Professional dues and fees
 - Travel and lodging for conference
 - Parking and tolls
- **Commercial Water Heating:**
 - Printing
 - Postage
- **Renewable Energy Program:**
 - Printing
 - Postage
- **Common Expenses:**
 - Professional dues and fees
 - Travel and lodging for conference
 - Training for conference
 - Shoes and uniforms
 - Printing of materials
 - AESP energy education conference
 - AESP membership dues
 - Consortium for Energy Efficiency ("CEE")
 - IT support service

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- Customer experience software maintenance
- Telecom utilities

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- 5.** Are any expenses that are included in the Company's filing associated with the 2020 FEECA Goalsetting Docket? Please explain.
- A.** Yes, Tampa Electric incurred expenses in 2018 related to the 2020 Florida Energy Efficiency and Conservation Act ("FEECA") Goalsetting Docket. The following cost categories were charged expenses related to the direct supporting of 2020 FEECA Goalsetting activities:
- a. Labor for those team members to support the development of the Technical Potential Study.
 - b. Travel and lodging for a regulatory team member to attend the Commission's informal DSM Goals meetings.
 - c. Mileage for a regulatory team member to attend the Commission's informal DSM Goals meetings.
 - d. Contractor Services for Nexant to support and develop the company's Technical Potential Study.

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- 6.** Please refer to TECO's Energy Planner program.
 - a. Please explain the reduction in Outside Services expenses in 2018 under the program. TECO charged \$544,502 under Outside Services in the program in 2018. In 2017, TECO charged \$1,221,108 to Outside Services in this program.
 - b. Please explain the increase in Advertising expenses in 2018 under the program. TECO charged \$501,970 to Advertising for the program in 2018. In 2017, TECO charged \$184,770 to Advertising in this program.

- A.**
 - a. Tampa Electric completed a technology upgrade to deliver the Energy Planner program in 2017. The upgrade encompassed software and hardware changes thus resulting in the additional expenses incurred that year.
 - b. In April 2017, Tampa Electric started the process of redesigning the existing advertising campaign for all the company's DSM programs. At that time, the company pulled back some of the advertising to prepare for this new advertising campaign. The company contracted with a new advertising agency near the end of 2017 and the costs that were projected in 2017 did not occur. The advertising campaign was successfully redesigned in early 2018 which caused the increase in advertising expenses as compared to 2017.

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7. Please explain the reduced costs in the Conservation Research and Development program. In 2017, TECO's program costs equaled \$61,518, compared to \$751 in 2018.

A. In 2017, Tampa Electric attributed more conservation spending to the Research and Development ("R&D") program in 2017 than in 2018, because the company was in the process of R&D data gathering of two potential future DSM programs.

The first potential DSM program that was researched was the commercial low-income program which involved the installation of several measures within 11 commercial low-income sites.

The second potential DSM program was the exploration of potentially developing a battery storage program to offer small to mid-sized commercial customers. The main spending for the battery storage R&D portion was with the Engineering Department from the University of South Florida for the performance of a battery storage research project which was completed and filed on March 1, 2018 as an appendix of the company's Annual DSM Report. After completion of the initial portion of the R&D project, the company sought product availability and costs and found that the prices were greater than the allocation of funds allowed as an R&D program and placed the pursuit of this R&D project on hold until the prices of the batteries drop to an acceptable level. The company's Commercial Energy Management Team ("CEMT") is continuing to keep a pulse on the market and monitors the prices of the batteries to continue the R&D project. The company is currently exploring the potential of replacing the battery storage R&D program with a pilot program within the next DSM Plan that would leverage an installed solar array with batteries for vehicle and auxiliary equipment charging.

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8. The following table shows TECO's Common Expenses for all DSM programs since 2016 (Schedule CT-2, Page 2, Docket Nos. 20170002-EG, 20180002-EG, 20190002-EG).

Year	Common Expenses Total	Change from Previous Year
2016	\$947,273	-
2017	\$804,197	-\$143,076
2018	\$747,250	-\$56,947

Please describe any steps the Company has taken to reduce common expenses in its DSM programs.

- A. Tampa Electric has worked over the years, based upon the recommendations and feedback of the Commission Staff and the Commission Staff Auditors, to minimize to as much as practical the charging to the company's common expenses in its DSM programs. The company has reduced the charging to common expenses by evaluating costs and if they are directly attributable to a single or a few DSM program(s), then the appropriate DSM program(s) will be charged. If the expenses directly benefit all DSM programs, then those costs are charge to common.

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9. Please refer to the LED Street and Outdoor Lighting Conversion Program.
- a. Please explain the reason for all charges in the LED Street and Outdoor Lighting Conversion Program being attributed to the Other cost category.
 - b. Please explain the reasons for the \$2,440,815 variance under the Other cost category.
 - c. Please explain the credits for the program. Page 2 of Schedule CT-2 shows a total credit of (\$125,991), while Page 3 shows that this was a difference of \$130,597 from the projection.
 - d. Are the credits any indicator of the success of the program?
- A.
- a. Tampa Electric placed the projected costs for the Light Emitting Diode ("LED") Street and Outdoor Conversion in the "Other" and the salvage value from the sale of the converted/removed luminaires into the "Program Revenues" cost categories.

Tampa Electric chose to budget the costs in this manner due to not having a specific accounting category for unamortized depreciation. In addition, the company chose to be more transparent in reporting of the costs and salvage value revenues by showing them in separate categories versus offsetting one for the other in one category for this DSM program.

- b. The main reason why the \$2,440,815 variance under the "Other" cost category occurred is the company did not achieve the projected number of participants (luminaires) converted in 2018. There were three underlying reasons why Tampa Electric did not achieve the number of conversions projected in 2018 for this DSM program. First, Tampa Electric is managing this large system conversion project of converting all of the existing metal halide and high-pressure sodium luminaire street and outdoor lighting to light emitting diode luminaires in a controlled systematic approach. Second, the company started the conversion process after the Commission approved the DSM program in which the projected participant (luminaire) numbers the company provided were based upon a complete year of conversions. Lastly, the company encountered some supplier issues that slowed the projected pace of systematic conversions.

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- c. In 2018, the actual salvage value received was a total credit of (\$125,991) (i.e. – this value is subtracted from the costs of the program costs to obtain the total cost of this program to the Energy Conservation Cost Recovery Clause (“ECCR”). The variance of \$130,597 from the projection amount of (256,588) is due to the same reasons as outline in Response No. 9b of this set.

- d. No, credits are not an indicator of success of this DSM program. The credits indicate how much scrap value the removed luminaires are benefitting/offsetting the costs of the program. The success of this DSM program remains in the significant amount of reduced winter demand (kW) and annual energy (kWh) this program achieves.

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- 10.** Please refer to the Industrial Load Management program. Please explain the expenses under Incentives in 2018 for the program. In 2017, TECO charged \$16,811,148 to incentives in this program. TECO charged \$17,561,103 to incentives for the program in 2018, while adding one participant.
 - A.** The increase in expenses in 2018 over 2017 was due to the addition of the customer to the program and other participating customers increasing their load. The additional customer came onto the program in March of 2018. This large manufacturing customer's load profile ranges from an average demand of 5.3 MW and 6.0 MW, the incentive is based on the monthly average demand. The remaining increase occurred due to participating facilities and one other participating customer notably increasing their load in 2018.

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- 11.** Please refer to the Standby Generator Program. Please explain the increase in total costs for the program. In 2017, TECO charged \$2,983,804 to this program. TECO charged \$3,738,152 to cost for the program in 2018, while adding one participant.

- A.** The increase in costs for the Standby Generator Program was due to the replacement of the existing communications and measurement and verification system that supports the program. In 2018 Tampa Electric acquired the services of a third-party vendor to install a new standby generator communications platform and monthly measurement and verification metering system that replaced the existing legacy system that had been in place since the program's inception in 1991. The third-party vendor designed and performed all the necessary processes, controls and engineering tasks to complete the installation at all of the customer's sites enrolled in the standby generator program.

Please refer to Schedule CT-3, Page 1, of TECO's May 1, 2019 filing to answer the following questions.

- 12.** Please explain the variation in expenses per month for the Demand Response program. For example, expenses in April 2018 were \$970,066, and expenses in June 2018 were \$577.
- A.** The variance in the expenses in April 2018 and June 2018 was due to a delay in invoicing by the third-party vendor that facilitates the company's Commercial Demand Response Program. During this time period, the vendor postponed invoicing until they validated that all the equipment was operational, and reporting was 100 percent accurate. The reason for postponement of the invoice was due to the following:
- The invoice from January was held to validate the response and reporting due to a control event.
 - The invoice from February was not issued from the vendor and was subsequently issued late.
 - The invoice from March was issued in April, for March's contracted allocation.

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13. Please explain the charges in Common Expenses in July 2018. The amount totaled \$183,888. The next highest amount is \$88,650.

A. Tampa Electric had common expenses in July in the amount of \$183,888 that benefitted all DSM programs. The additional expenses in this month were for safety and security enhancements for threat alerts to the Energy Efficiency Collaboration Platform ("EECP"). The expenses can be broken down into the following cost categories:

- Payroll & Benefits
- Outside Services
- Other

The table below shows the breakdown of expenses that were incurred in each of the cost categories:

July Common Expenses	
Payroll & Benefits	\$25,624
Outside Services	\$151,410
Contractor Services	\$151,030
Consultant Services	\$380
Other	\$6,854
Printing	\$115
IT Support Service	\$5,917
Telecom Utilities	\$822

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Please refer to Schedule CT-6 in Docket Nos. 20170002-EG, 20180002-EG, and 20190002-EG to answer the following questions.

14. The following table shows the cost per installation in the Energy Planner program over the past three years.

Year	Cost per Installation
2016	\$6,308.83
2017	\$7,013.20
2018	\$4,748.26

Please explain the diminished cost per participant in 2018. TECO indicates reduced costs in 2018, despite an additional 173 participants.

- A. Tampa Electric completed a technology upgrade to deliver the Energy Planner program in 2017. The upgrade encompassed software and hardware changes thus resulting in the additional expenses incurred that year and increasing the cost per installation.

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15. The following table shows the cost per installation since 2016 in the Standby Generator program.

Year	Cost Installation per
2016	\$32,405.21
2017	\$31,742.60
2018	\$39,767.57

Please explain the rise in cost per installation in 2018.

- A. The rise in cost was due to the new supporting communications and measurement and verification platform that was explained in Response No. 11 of this set. In addition, once the new system was fully installed, Tampa Electric started incurring a monthly hosting fee that is based on the number of participants in the program.

A F F I D A V I T

STATE OF FLORIDA)
)
COUNTY OF HILLSBOROUGH)

Before me the undersigned authority personally appeared Mark Roche, who deposed and said that he is a Manager, Rates, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to Staff's First Set of Interrogatories, (Nos. 1-15) prepared or assisted with the responses to these interrogatories to the best of his information and belief.

Dated at Tampa, Florida this 17th day of July, 2019.



Sworn to and subscribed before me this 17th day of July, 2019.





My Commission expires _____

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TECO's Response to Staff's
Second Set of Interrogatories
Nos. 16-21.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 30
PARTY: STAFF – (DIRECT)
DESCRIPTION: Mark Roche(16-21)

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Energy Conservation Cost
Recovery Clause))**

**DOCKET NO. 20190002-EG
FILED: SEPTEMBER 4, 2019**

**TAMPA ELECTRIC COMPANY'S
ANSWERS TO SECOND SET OF INTERROGATORIES (NOS. 16-21)
OF
FLORIDA PUBLIC SERVICE COMMISSION STAFF**

Tampa Electric files this its Answers to Interrogatories (Nos. 16-21) propounded and served on August 16, 2019 by the Florida Public Service Commission Staff.

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DOCKET NO. 20190002-EG
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<u>Number</u>	<u>Witness</u>	<u>Subject</u>	<u>Bates Stamped Page</u>
16	Roche	What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.	1
17	Roche	Please refer to Page 1 of 13 and the Residential Customer Assisted Audit program. Please explain the projected expense of \$398,100 for "Other."	2
18	Roche	Please refer to Page 2 of 13 and the Commercial/Industrial Audit (Free) program. Please explain the (\$421) entry for Outside Services.	3
19	Roche	Please refer to Page 4 of 13 and the Conservation Research and Development program. Please describe the projected expense of \$118,000 for Materials and Supplies.	4
20	Roche	Please refer to Page 6 of 13 and Investment. Please describe why the Estimated Incentives and Total Costs for the July through December period are substantially higher than as reflected for the Actual (January through June) period.	5
21	Roche	Please refer to Page 10 of 13 and the Residential Walk-Through Energy Audit. Please describe why the Estimated Incentives and Total Costs for the July through December period are substantially higher than as reflected for the Actual (January through June) period.	6

Mark Roche
Manager, Regulatory Rates

Tampa Electric Company
702 N. Franklin Street
Tampa, Florida 33602

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
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FILED: SEPTEMBER 4, 2019**

- 16.** What impact, if any, do the goals proposed by the Company in the 2020 FEECA Goalsetting proceeding have on the Company's 2020 ECCR Projections? Please explain.
- A.** The Demand Side Management ("DSM") goals proposed by the company in the 2020 Florida Energy Efficiency and Conservation Act ("FEECA") Goalsetting proceedings had minimal impact on the company's 2020 Energy Conservation Cost Recovery ("ECCR") clause projection. The company's proposed DSM goals dropped slightly in demand and increased slightly in energy and the company anticipates the transition to the new supporting DSM programs that will support the DSM goals, eventually approved, to be very late in 2020. The 2020 ECCR Projection is mainly based upon the current 2015-2024 Goals and future projections will be based upon the recommendation and approval for the new 2020-2029 Goals by the Commission.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
INTERROGATORIES
INTERROGATORY NO. 17
PAGE 1 OF 1
FILED: SEPTEMBER 4, 2019**

Please refer to Exhibit MRR-2, Schedule C-3, attached to the testimony of Mark R. Roche, filed on August 9, 2019.

- 17.** Please refer to Page 1 of 13 and the Residential Customer Assisted Audit program. Please explain the projected expense of \$398,100 for "Other."

- A.** There are two projected expenses in the "Other" category for the Residential Customer Assisted Audit program. The projected expenses are \$100 for printing of materials for program brochures and \$398,000 for the annual hosting fee paid to the vendor to support the platform that houses the Online Audit.

TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
INTERROGATORIES
INTERROGATORY NO. 18
PAGE 1 OF 1
FILED: SEPTEMBER 4, 2019

18. Please refer to Page 2 of 13 and the Commercial/Industrial Audit (Free) program. Please explain the (\$421) entry for Outside Services.

A. The \$421 entry for Outside Services was a January 2019 reclass that was removed from the Commercial/Industrial Audit (Free) program as an erroneous charge. The program did not incur any actual outside services expenses, so the balance is shown as a negative expense. An excerpt from the company's SAP program showing this reclassification is shown below:

Val.in rep.cur.	Name of offsetting account	Order	CO object name	Posting Date	Name	frm
421.37-	OutSvc Exp Reclass	12000363	FREE C/I AUDIT - recover.	01/31/2019	DER JAN 19 RECL WO	1
421.37-		120003	FREE C/I AUDIT - recover.			
421.37-						

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
INTERROGATORIES
INTERROGATORY NO. 19
PAGE 1 OF 1
FILED: SEPTEMBER 4, 2019**

- 19.** Please refer to Page 4 of 13 and the Conservation Research and Development program. Please describe the projected expense of \$118,000 for Materials and Supplies.
- A.** There are two projected expenses that make up the \$118,000 for materials and supplies within the company's Conservation Research and Development ("R&D") Program. The first projected expense of \$18,000 is to support the materials and supplies expense for range extenders to boost WiFi for a residential home energy management system R&D project. The second projected expense of \$100,000 is to start the support of a large commercial electric vehicle battery storage R&D project.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
INTERROGATORIES
INTERROGATORY NO. 20
PAGE 1 OF 1
FILED: SEPTEMBER 4, 2019**

20. Please refer to Page 6 of 13 and Investment. Please describe why the Estimated Incentives and Total Costs for the July through December period are substantially higher than as reflected for the Actual (January through June) period.

A. The Energy Planner Projected Investment for July through December period is \$617,336.

- In the first half of the year, the company had 313 new participants added to the program (or on average about 52 new participants each month). In the second half of the year, the company is working on increasing the number of new participants to an average of 104 for each month. This increased participation rate equates to a monthly investment of \$102,889 per month for July through December and is detailed as follows:
 - Contractor Services - \$43,784/month
 - 104 projected installations per month based on \$421 per average installation.
 - Stores Inventory Issue - \$59,105/month
 - 104 projected installations per month based on \$568.32 per average installation.
- The first six months of the year the actual installations were fewer which also equated to some lower overall supporting expenses.

TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S SECOND SET OF
INTERROGATORIES
INTERROGATORY NO. 21
PAGE 1 OF 1
FILED: SEPTEMBER 4, 2019

21. Please refer to Page 10 of 13 and the Residential Walk-Through Energy Audit. Please describe why the Estimated Incentives and Total Costs for the July through December period are substantially higher than as reflected for the Actual (January through June) period.
- A. The Residential Walk-Through Energy Audit projected expenses for July through December is \$1,062,173 and actual expenses for January through June were \$566,385. This projected increase is higher than the actual expenses from January through June due to the following:
- There were two Energy Audit analyst vacancies and two back office support vacancies in the first half of the year that have been subsequently filled.
 - One Energy Audit analyst was on short term disability/light duty during the first half of 2019 and has since resumed to full duty.
 - One Energy Audit analyst was cross-trained and assisting the Energy Planner team and three Energy Audit analysts were performing quality assurance checks for the company's Neighborhood Weatherization program that shifted their time charging to those conservation programs.
 - One Energy Management Service's Team member was assigned to support a solar project three days a week from January through May resulting in payroll being charged to that non-conservation program.
 - The increase in expenses is also due to the expected higher customer participation rate in the Residential Walk-Through Energy Audit program during the summer months and later part of the year.

A F F I D A V I T

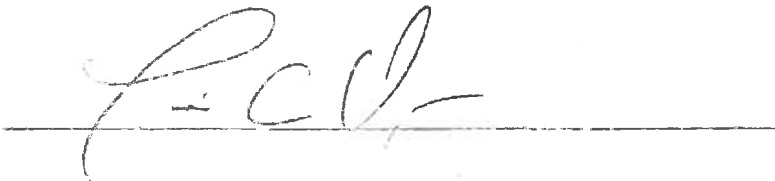
STATE OF FLORIDA)
)
COUNTY OF HILLSBOROUGH)

Before me the undersigned authority personally appeared Mark Roche, who deposed and said that he is a Manager, Rates, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to Staff's Second Set of Interrogatories, (Nos. 16-21) prepared or assisted with the responses to these interrogatories to the best of his information and belief.

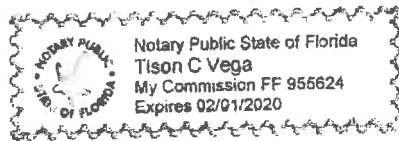
Dated at Tampa, Florida this 3 day of September, 2019.



Sworn to and subscribed before me this 3rd day of September, 2019.



My Commission expires _____



31

TECO's Response to Staff's
Third Set of Interrogatories
Nos. 22-34.

FLORIDA PUBLIC SERVICE COMMISSION
DOCKET: 20190002-EG EXHIBIT: 31
PARTY: STAFF – (DIRECT)
DESCRIPTION: Mark Roche(22-34)

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

**In re: Energy Conservation Cost
Recovery Clause**

**DOCKET NO. 20190002-EG
FILED: SEPTEMBER 16, 2019**

**TAMPA ELECTRIC COMPANY'S
ANSWERS TO THIRD SET OF INTERROGATORIES (NOS. 22-34)
OF
FLORIDA PUBLIC SERVICE COMMISSION STAFF**

Tampa Electric files this its Answers to Interrogatories (Nos. 22-34) propounded and served on August 28, 2019 by the Florida Public Service Commission Staff.

TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
INDEX TO STAFF'S THIRD SET OF INTERROGATORIES (NOS. 22-34)

<u>Number</u>	<u>Witness</u>	<u>Subject</u>	<u>Bates Stamped Page</u>
22	Roche	On August 9, 2019, TECO filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida's investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following: a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors? b. Please explain those impacts.	1
23	Roche	Please refer to Schedule C-2, Pages 3 and 4, and Schedule C-3, Pages 1-5, and explain the variation in Outside Services for the Renewable Energy program. The actual/estimated expenses for 2019 are shown to be \$457,756, while the projection for 2020 is \$260,000.	2
24	Roche	Please refer to Schedule C-2, Pages 3 and 4, and Schedule C-3, Pages 1-5, and explain the variation in Payroll & Benefits under Common Expenses. The actual/estimated expenses for 2019 are shown to be \$333,648, while the projection for 2020 is \$464,413.	3
25	Roche	Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Advertising for the Residential Walk-Through Energy Audit. Actual expenses for the first half of 2019 are shown to be \$82,631, while the second half estimate is \$314,934.	4
26	Roche	Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Outside Services for the Neighborhood Weatherization program. Actual expenses for the first half of 2019 are shown to be \$350,750, while the second half estimate is \$10,790.	5
27	Roche	Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Advertising for the Energy Planner program. Actual expenses for the first half of 2019 are shown to be \$82,631, while the second half estimate is \$224,358.	6
28	Roche	Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Residential Customer Assisted Audit. Actual expenses for the first half of 2019 are shown to be \$23,383, while the second half estimate is \$401,598.	7

29	Roche	Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Energy Star Multi-Family program. Actual expenses for the first half of 2019 are shown to be \$1,010, while the second half estimate is \$81,928.	8
30	Roche	Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Lighting Conditioned Space program. Actual expenses for the first half of 2019 are shown to be \$1,587,079, while the second half estimate is \$845,267.	9
31	Roche	Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Lighting Non-Conditioned Space program. Actual expenses for the first half of 2019 are shown to be \$57,558, while the second half estimate is \$318,529.	10
32	Roche	Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Conservation Research & Development program. Actual expenses for the first half of 2019 are shown to be \$682, while the second half estimate is \$176,853.	11
33	Roche	Please refer to Schedule C-5, Page 1, and explain the projected increase in participants in the Residential Walk-Through Audits. The 2019 projection is 6,500 participants, while the 2020 projection increases to 9,500 participants.	12
34	Roche	Please refer to Schedule C-5, Page 18, to explain the increased projected expenses in the Conservation Value program. The projected expenses increase from \$1,257 in 2019 to \$52,083 in 2020, despite no projected increase in participants.	13

Mark Roche
Manager, Regulatory Rates

Tampa Electric Company
702 N. Franklin Street
Tampa, Florida 33602

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 22
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

22. On August 9, 2019, TECO filed its Projection Testimony and Exhibits for 2020. On August 21, 2019, Florida's investor-owned electric utilities filed an Unopposed Joint Motion to Modify Order No. PSC-2012-0425-PAA-EU Regarding Weighted Average Cost of Capital (WACC) Methodology. Please answer the following:

- a. If approved, when would the proposed modifications to the method for calculating WACC first impact the Company's energy conservation cost recovery factors?
- b. Please explain those impacts.

A. **a.** Currently, the proposed modifications to the method for calculating the Weighted Average Cost of Capital ("WACC") would not impact Tampa Electric's Energy Conservation Cost Recovery ("ECCR") clause factors because the company is meeting or exceeding the limitation provision. The proposed modification to the method for calculating the WACC may first impact the company's ECCR clause factors when the company is no longer meeting or exceeding the limitation provision.

- b.** Tampa Electric estimated the potential impacts from the proposed methodology change. If the methodology change is approved by the Commission, resulting in a higher WACC in years when Tampa Electric is no longer meeting or exceeding the limitation provision, the company projects the following impacts:

At the current level of net investments, there would be no impact to the company's ECCR clause factors.

At higher net investment levels, there would be a slight increase in the company's ECCR clause factors.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 23
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

Please refer to TECO's August 9, 2019 Filing in Docket No. 20190002-EG to answer questions 23-34.

- 23.** Please refer to Schedule C-2, Pages 3 and 4, and Schedule C-3, Pages 1-5, and explain the variation in Outside Services for the Renewable Energy program. The actual/estimated expenses for 2019 are shown to be \$457,756, while the projection for 2020 is \$260,000.
- A.** The actual/estimated expenses in 2019 include the costs of the newest Photovoltaic ("PV") array that was completed in late 2018 at the Florida Conservation and Technology Center, one more PV array installation, and maintenance, upgrades and repairs on existing PV arrays within the Renewable Block Program. The projected expenses for 2020 include the planned maintenance on existing PV arrays and the addition of one new PV array for the program.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 24
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 24.** Please refer to Schedule C-2, Pages 3 and 4, and Schedule C-3, Pages 1-5, and explain the variation in Payroll & Benefits under Common Expenses. The actual/estimated expenses for 2019 are shown to be \$333,648, while the projection for 2020 is \$464,413.
- A.** There are two main reasons for the increase in payroll & benefits under common expenses in the projection for 2020 as compared to the actual/estimated expenses for 2019. These reasons are:
- For the majority of the first half of the 2019, Tampa Electric loaned a subject matter expert to Peoples Gas System to assist them with the final implementation of the Energy Efficiency Collaborative Platform which is the software program that houses and facilitates rebate processing. The team member has returned and is charging their normal labor charge amounts to common as the program facilitates both residential and commercial conservation programs.
 - The company has made some recent organizational changes to leadership that oversee residential and commercial conservation activities.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 25
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 25.** Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Advertising for the Residential Walk-Through Energy Audit. Actual expenses for the first half of 2019 are shown to be \$82,631, while the second half estimate is \$314,934.
- A.** The projected increase of advertising expenses for the Residential Walk-Through Energy Audit Program in the second half of 2019 is being caused by the following three reasons:
- The media plan that was purchased by the company's advertising agency is weighted more heavily in the second half of the year.
 - Additional paid advertising for television, digital and print are included in the second half of the year.
 - The company increased the Residential Walk-Through Energy Audit paid advertising budget by an additional \$50,000 which will be spent in the second half of the year to assist in efforts of obtaining the Commissioned-approved Residential Winter DSM Goal.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 26
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 26.** Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Outside Services for the Neighborhood Weatherization program. Actual expenses for the first half of 2019 are shown to be \$350,750, while the second half estimate is \$10,790.
- A.** In July 2019, Tampa Electric made a process change in the deliverance of the company's Neighborhood Weatherization Program. The process change involved eliminating the third-party vendor (Outside Services) that had been facilitating some portions of the program. The company has chosen to have Tampa Electric's Residential Energy Analysts install the energy efficiency kit portion of the program and has made agreements with other participating contractors to facilitate the remaining measures of the program. This shift in program delivery will deliver the same high-quality low-income weatherization program offering at a much lower cost and at the same time increasing the level of customer service and satisfaction to the program's participants. In addition to installing the energy efficiency kit portion of the program, the company's Energy Analysts will also offer the program's participants the performance of a walk-through energy audit that will enhance the energy education that the Neighborhood Weatherization program has been delivering.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 27
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

27. Please refer to Schedule C-3, Pages 1 and 2, and explain the variation under Advertising for the Energy Planner program. Actual expenses for the first half of 2019 are shown to be \$82,631, while the second half estimate is \$224,358.
- A. The projected increase of Energy Planner Program advertising expenses in the second half of 2019 is being caused by the following three reasons:
- The media plan that was purchased by the company's advertising agency is weighted more heavily in the second half of the year.
 - Additional paid advertising for television, direct mail, radio sponsorship, digital and print are included in the second half of the year.
 - The company increased the Energy Planner paid advertising budget by an additional \$50,000 which will be spent in the second half of the year to assist in efforts to ensure achieving the Commissioned approved Residential Winter Demand DSM Goal.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 28
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 28.** Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Residential Customer Assisted Audit. Actual expenses for the first half of 2019 are shown to be \$23,383, while the second half estimate is \$401,598.
- A.** Tampa Electric's actual expenses for the first half of 2019 for the Residential Customer Assisted Audit Program included labor costs, printing costs of materials for program brochures, and advertising costs that included the production of a commercial that is being used to promote the newly enhanced Residential Customer Assisted Audit (Online Audit). The main variation in the projection for the second half of the year is due to the \$398,000 annual hosting fee paid to the vendor to support the platform that houses the online audit.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 29
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 29.** Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Energy Star Multi-Family program. Actual expenses for the first half of 2019 are shown to be \$1,010, while the second half estimate is \$81,928.
- A.** The \$1,010 in the first half of 2019 was for the upcoming participation in the Tampa Build Expo that is scheduled for October of this year. The projected \$81,928 contains a small portion for the final payment for participation in the Expo and the bulk of the projection is for rebates for a new multi-family complex that the company has been working with for this program that will be completed later this year and all of the units will be ENERGY STAR certified.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
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INTERROGATORIES
INTERROGATORY NO. 30
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 30.** Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Lighting Conditioned Space program. Actual expenses for the first half of 2019 are shown to be \$1,587,079, while the second half estimate is \$845,267.
- A.** The reason for the decreased estimate in the second half of 2019 is due to Hillsborough County Public Schools which contracted with a third party to identify energy conservation measures within all of the schools. One of the energy conservation measures identified was to retrofit the schools, district-wide, interior (conditioned space) lighting to light emitting diode technology. In the first half of 2019, the schools completed Phase I impacting the program budget by \$1,384,147.63, the remaining expenses were a result of other various customer projects. In the second half of 2019, the schools are forecasted to complete a lower number of projects in Phase II as indicated by the lighting retrofit projects that have been pre-approved through the program's verification process.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 31
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 31.** Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Lighting Non-Conditioned Space program. Actual expenses for the first half of 2019 are shown to be \$57,558, while the second half estimate is \$318,529.
- A.** The reason for the increased estimate in the second half of 2019 is due to Hillsborough County Public Schools which contracted with a third party to identify energy conservation measures within all of the schools. One of the energy conservation measures identified was to retrofit the schools, district-wide, exterior (non-conditioned space) lighting to light emitting diode technology. The exterior lighting projects were scheduled for Phase II of the programs described briefly in Response No. 30 this set. The company projected this amount for the second half of 2019 based upon the pre-approved lighting retrofit projects through the program's verification process.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 32
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

32. Please refer to Schedule C-3, Pages 10 and 11, and explain the variation for the Conservation Research & Development program. Actual expenses for the first half of 2019 are shown to be \$682, while the second half estimate is \$176,853.

A. The reason for the second half of 2019 projected amount is due to several Research and Development ("R&D") projects the company is looking at facilitating. These projects include:

Residential R&D:

- Home energy management system.

Commercial R&D:

- Commercial online energy audit – three-month trial to determine participation levels.
- Large scale truck battery research.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
INTERROGATORIES
INTERROGATORY NO. 33
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 33.** Please refer to Schedule C-5, Page 1, and explain the projected increase in participants in the Residential Walk-Through Audits. The 2019 projection is 6,500 participants, while the 2020 projection increases to 9,500 participants.
- A.** Tampa Electric made a change to the delivery of the company's Neighborhood Weatherization Program which will result in more energy audits being projected than in 2019. The company's Residential Energy Analysts will now be completing the energy efficiency kit portion of the program instead of using an outside contractor. In addition to installing the kit portion of the Weatherization program, the Energy Analyst will also offer to perform an energy audit for the customer. This affords the opportunity to provide customers with additional energy conservation tips and practices while installing the energy efficiency kit before leaving the customer's home, which the company believes will enhance the overall customer experience. Depending on the uptake of energy audits from this change, the company may redesign the Neighborhood Weatherization program to include the energy audit as a designated measure of the program in the 2020–2029 DSM Plan.

**TAMPA ELECTRIC COMPANY
DOCKET NO. 20190002-EG
STAFF'S THIRD SET OF
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INTERROGATORY NO. 34
PAGE 1 OF 1
FILED: SEPTEMBER 16, 2019**

- 34.** Please refer to Schedule C-5, Page 18, to explain the increased projected expenses in the Conservation Value program. The projected expenses increase from \$1,257 in 2019 to \$52,083 in 2020, despite no projected increase in participants.
- A.** The Conservation Value Program is a demand side management program focused on incentivizing customers to install new or existing peak-demand shifting/reduction energy conservation measures or technologies. The program is forecasted to have one project submitted in 2020. Tampa Electric originally projected that two projects would be submitted in 2019. During the development of the company's projection, Tampa Electric chose to project no activity for 2019 due to not hearing about any new projects from commercial or industrial customers. The company also used the most recent historical participation to make this determination.

A F F I D A V I T


STATE OF FLORIDA)
)
COUNTY OF HILLSBOROUGH)

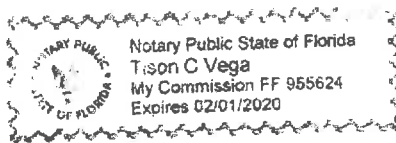
Before me the undersigned authority personally appeared Mark Roche, who deposed and said that he is a Manager, Rates, Tampa Electric Company, and that the individuals listed in Tampa Electric Company's response to Staff's Third Set of Interrogatories, (Nos. 22-34) prepared or assisted with the responses to these interrogatories to the best of his information and belief.

Dated at Tampa, Florida this 12 day of September, 2019.



Sworn to and subscribed before me this 12th day of September, 2019.





My Commission expires _____