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May 1, 2023

VIA: ELECTRONIC FILING

Mr. Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Energy Conservation Cost Recovery Clause
FPSC Docket No. 20230002-EG

Dear Mr. Teitzman:

Attached for filing in the above docket on behalf of Tampa Electric Company is the Testimony of Mark R. Roche and Exhibit MRR-1, entitled Schedules Supporting Conservation Cost Recovery Factor, Actual, for the period January 2022 – December 2022.

Thank you for your assistance in connection with this matter.

Sincerely,

Malcolm N. Means

Malcolm N. Means

MNM/bml
Attachment

cc: All Parties of Record (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Testimony, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 1st day of May, 2023 to the following:

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Malcolm N. Means

ATTORNEY

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20230002-EG

IN RE: ENERGY CONSERVATION COST RECOVERY CLAUSE

TESTIMONY AND EXHIBIT

OF

MARK R. ROCHE

FILED: May 1, 2023

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

MARK R. ROCHE

Q. Please state your name, address, occupation and employer.

A. My name is Mark R. Roche. My business address is 702 North Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "the company") as Manager, Regulatory Rates in the Regulatory Affairs Department.

Q. Please provide a brief outline of your educational background and business experience.

A. I graduated from Thomas Edison State College in 1994 with a Bachelor of Science degree in Nuclear Engineering Technology and from Colorado State University in 2009 with a Master's degree in Business Administration. My work experience includes twelve years with the US Navy in nuclear operations as well as twenty-five years of electric utility experience. My utility work has included various positions in Marketing and Sales, Customer Service, Distributed Resources, Load Management,

Power Quality, Distribution Control Center Operations, Meter Department, Meter Field Operations, Service Delivery, Revenue Assurance, Commercial and Industrial Energy Management Services, and Demand Side Management ("DSM") Planning and Forecasting. In my current position, I am responsible for Tampa Electric's Energy Conservation Cost Recovery ("ECCR") Clause and Storm Protection Plan Cost Recovery Clause ("SPPCRC").

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to present and support for Commission review and approval the company's actual DSM programs related true-up costs incurred during the January through December 2022 period.

Q. Did you prepare any exhibits in support of your testimony?

A. Yes. Exhibit No. MRR-1, entitled "Tampa Electric Company, Schedules Supporting Conservation Cost Recovery Factor, Actual, January 2022–December 2022" was prepared under my direction and supervision. This Exhibit includes Schedules CT-1 through CT-6 which support the company's actual and prudent DSM program related true-up

costs incurred during the January through December 2021 period.

Q. What were Tampa Electric's actual January through December 2022 conservation costs?

A. For the period, January through December 2022, Tampa Electric incurred actual net conservation costs of $48,985,457.

Q. What is the final end of period true-up amount for the conservation clause for January through December 2022?

A. The final conservation clause end of period true-up for January through December 2022 is an over-recovery of $4,883,834, which includes interest. This calculation is detailed on Schedule CT-1, page 1 of 1.

Q. Please summarize how Tampa Electric's actual program costs for January through December 2022 period compare to the actual/estimated costs presented in Docket No. 20220002-EG?

A. For the period, January through December 2022, Tampa Electric had a variance of $3,505,219 or 6.7 percent less

than the estimated amount. The estimated total program costs were projected to be $52,490,676 which was the amount approved in Order No. PSC 2022-0422-FOF-EG, issued December 14, 2022, as compared to the incurred actual net conservation costs of $48,985,457.

Q. Please summarize the reasons why the actual expenses were less than projected expenses by $3,505,219?

A. The variance was a result of the following actual expenses being less than estimated in the following residential programs: Customer Assisted Audits; Computer Assisted Audits; Ceiling Insulation; Energy and Renewable Education, Awareness and Agency Outreach; ENERGY STAR for New Multi-Family Residences; ENERGY STAR for New Homes; Residential Heating and Cooling; Neighborhood Weatherization; Energy Planner; and Residential Prime Time Plus. Additionally, actual expenses were less than estimated in the following commercial/industrial programs: Commercial/Industrial Audit (Free); Comprehensive Commercial/Industrial Audit (Paid); Commercial Chiller; Conservation Value; Demand Response; Facility Energy Management System; LED Street and Outdoor Lighting Conversion Program; Lighting Occupancy Sensors; Commercial Smart Thermostats; Standby Generator; and

Commercial Water Heating. Each DSM program's detailed variance and common variance contribution is shown on Schedule CT-2, Page 3 of 4.

Q. Are all costs listed on Schedule CT-2 directly related to the Commission's approved DSM programs?

A. Yes.

Q. When did Tampa Electric transition to the Commission approved 2020-2029 Ten-Year DSM Plan?

A. Tampa Electric transitioned to the Commission approved 2020-2029 Ten-Year DSM Plan on November 2, 2020, for all DSM programs.

Q. Did Tampa Electric offer the programs contained in the 2020-2029 Ten-Year DSM Plan the entire 2022 period?

A. No, the company initiated the Prime Time Plus program which uses the company's Advanced Metering Infrastructure ("AMI") system to facilitate this program. The company added the first customer onto this program in late December 2022.

Q. Should Tampa Electric's cost incurred during the January through December 2022 period for energy conservation be approved by the Commission?

A. Yes, the costs incurred were prudent and directly related to the Commission's approved DSM programs and should be approved.

Q. Does that conclude your testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY

SCHEDULES SUPPORTING CONSERVATION

COST RECOVERY FACTOR

ACTUAL

JANUARY 2022 - DECEMBER 2022

CONSERVATION COST RECOVERY

INDEX

SCHEDULE CT-1
Page 1 of 1

TAMPA ELECTRIC COMPANY
Energy Conservation
Adjusted Net True-up
For Months January 2022 through December 2022

End of Period True-up		
Principal	$4,756,766	
Interest	$127,068	
Total		$4,883,834
Less: Projected True-up		
(Last Projected Conservation Hearing)		
Principal	$290,403	
Interest	$71,520	
Total		$361,923
Adjusted Net True-up		$4,521,911

SCHEDULE CT-2
Page 1 of 4

TAMPA ELECTRIC COMPANY
Analysis of Energy Conservation Program Costs
Actual vs. Projected
For Months January 2022 through December 2022

	Description	Actual	Projected	Difference
1	Capital Investment	$1,789,559	$1,791,675	($2,116)
2	Payroll	$3,532,567	$3,920,483	($387,916)
3	Materials and Supplies	$381,718	$612,138	($230,420)
4	Outside Services	$2,116,346	$2,459,234	($342,888)
5	Advertising	$1,349,523	$1,049,523	$300,000
6	Incentives	$35,304,506	$37,465,761	($2,161,255)
7	Vehicles	$103,292	$102,633	$659
8	Other	$4,490,865	$5,288,513	($797,648)
9	Subtotal	$49,068,376	$52,689,960	($3,621,584)
10	Less: LED Street and Outdoor Conversion Program	($58,333)	($68,346)	$10,013
11	Less: Renewable Revenues	($127,845)	($124,545)	($3,300)
12	Total	$48,882,198	$52,497,069	($3,614,871)
13	Less: Renewable Program	$103,259	($6,394)	$109,653
14	Total Program Costs	$48,985,457	$52,490,676	($3,505,219)
15	Beginning of Period True-up Overrecovery	($10,818,286)	($10,818,286)	$0
16	Amounts included in Base Rates	$0	$0	$0
17	Conservation Adjustment Revenues	($42,923,937)	($41,962,793)	($961,144)
18	Regulatory Adjustments	0	$0	$0
19	True-up Before Interest	$4,756,766	$290,403	$4,466,363
20	Interest Provision	$127,068	$71,520	$55,548
21	End of Period True-up	$4,883,834	$361,923	$4,521,911

TAMPA ELECTRIC COMPANY
Actual Conservation Program Costs per Program
For Months January 2022 through December 2022

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
D0083437	Residential Walk-Through Energy Audit	0	1,043,028	4,123	(2,345)	1,133,206	0	57,460	19,246	0	2,254,718
D0083432	Residential Customer Assisted Audit	0	2,111	0	398,030	0	0	0	(29,850)	0	370,291
D0083434, D0083317	Residential Computer Assisted Audit	0	521	0	0	0	0	0	388	0	909
D0083526	Residential Ceiling Insulation	0	45,703	0	300	0	123,332	0	380	0	169,715
D0083530	Residential Duct Repair	0	15,656	0	0	0	73,700	0	0	0	89,356
D0083488	Energy and Renewable Education, Awareness and Agency Outreach	9,238	38,210	5,088	81,674	0	0	0	19,699	0	153,909
D0083546	Energy Star Multi-Family	0	(98)	0	0	0	0	0	0	0	(98)
D0083541	Energy Star for New Homes	0	14,305	0	0	0	708,000	0	990	0	723,295
D0091086	Energy Star Pool Pumps	0	42,748	0	0	0	417,200	0	0	0	459,948
D0091087	Energy Star Thermostats	0	70,930	0	0	0	69,313	0	0	0	140,243
D0083332	Residential Heating and Cooling	0	57,307	0	0	0	357,255	0	0	0	414,562
D0083538	Neighborhood Weatherization	0	443,508	340,702	0	0	948,754	0	13,021	0	1,745,985
D0083542	Energy Planner	678,336	734,038	31,042	897,464	213,378	0	36,472	175,813	0	2,766,543
D0091106	Residential Prime Time Plus	0	55,650	371	165,098	0	12	0	0	0	221,131
D0083486	Residential Window Replacement	0	49,314	0	0	0	147,884	0	0	0	197,198
D0083335	Prime Time	0	3,971	0	17,394	0	0	0	0	0	21,365
D0083447	Commercial/Industrial Audit (Free)	0	287,270	163	60	2,939	0	6,594	13,499	0	310,525
D0083446	Comprehensive Commercial/Industrial Audit (Paid)	0	0	0	0	0	0	0	0	0	-
D0083534	Commercial Chiller	0	59	0	0	0	0	0	0	0	59
D0083487	Cogeneration	0	26,012	0	0	0	0	0	0	0	26,012
D0083318	Conservation Value	0	308	0	0	0	0	0	0	0	308
D0083540	Commercial Cooling	0	813	177	0	0	11,459	15	180	0	12,644
D0083533	Demand Response	0	27,125	0	0	0	3,358,400	0	909	0	3,386,434
D0091107	Facility Energy Management System	0	28,517	0	0	0	18,527	12	183	0	47,239
D0083506	Industrial Load Management (GLSM 2&3)	0	31,907	0	0	0	23,359,200	0	182	0	23,391,289
D0083547	LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	4,110,634	(58,333)	4,052,301
D0083528	Lighting Conditioned Space	0	45,073	0	0	0	729,639	1,490	1,936	0	778,138
D0083544	Lighting Non-Conditioned Space	0	35,594	0	0	0	198,257	313	77	0	234,241
D0083535	Lighting Occupancy Sensors	0	9,914	0	0	0	14,280	29	0	0	24,223
D0083527	CILM (GLSM 1)	0	60	0	0	0	6,531	0	0	0	6,591
D0091108	Commercial Smart Thermostats	0	36,809	0	0	0	366,268	475	247	0	403,799
D0083529	Standby Generator	0	32,602	0	431,420	0	4,393,345	0	28,509	0	4,885,876
D0091109	Variable Frequency Drive Control for Compressors	0	19,221	0	0	0	3,150	28	0	0	22,399
D0083537	Commercial Water Heating	0	0	0	0	0	0	0	0	0	-
D0083539	Conservation Research and Development	0	839	0	2,210	0	0	0	0	0	3,049
D0083531	Renewable Energy Program (Sun to Go)	0	10,497	0	14,089	0	0	0	0	(127,845)	(103,259)
D0083328	Common Expenses	0	323,045	52	110,952	0	0	378	134,822	0	569,249
D0090066	Integrated Renewable Energy System (Pilot)	1,101,985	0	0	0	0	0	26	0	0	1,102,011
	Total All Programs	1,789,559	3,532,567	381,718	2,116,346	1,349,523	35,304,506	103,292	4,490,865	(186,178)	48,882,198
	Less Renewable Energy Program	-	10,497	-	14,089	-	-	-	-	(127,845)	(103,259)
	Total Less Renewable Energy Program	1,789,559	3,522,070	381,718	2,102,257	1,349,523	35,304,506	103,292	4,490,865	(58,333)	48,985,457

TAMPA ELECTRIC COMPANY
Conservation Program Costs per Program
Variance - Actual vs. Projected
For Months January 2022 through December 2022

	Program Name	Capital Investment	Payroll & Benefits	Materials & Supplies	Outside Services	Advertising	Incentives	Vehicles	Other	Program Revenues	Total
D0083437	Residential Walk-Through Energy Audit	0	15,570	(2,656)	(2,345)	249,883	0	16,232	(2,129)	0	274,555
D0083432	Residential Customer Assisted Audit	0	(1,908)	0	30	0	0	0	(100)	0	(1,978)
D0083434, D0083317	Residential Computer Assisted Audit	0	(1,557)	0	0	0	0	0	(1,500)	0	(3,057)
D0083526	Residential Ceiling Insulation	0	2,012	0	300	0	(10,814)	(120)	380	0	(8,242)
D0083530	Residential Duct Repair	0	(4,145)	0	0	0	27,225	(180)	0	0	22,900
D0083488	Energy and Renewable Education, Awareness and Agen	11	(47,923)	4,938	(19,447)	0	0	(900)	(6,051)	0	(69,372)
D0083546	Energy Star Multi-Family	0	(98)	0	0	0	0	0	0	0	(98)
D0083541	Energy Star for New Homes	0	(6,831)	0	0	0	(8,000)	(120)	(3,340)	0	(18,291)
D0091086	Energy Star Pool Pumps	0	33,121	0	0	0	101,150	(60)	0	0	134,211
D0091087	Energy Star Thermostats	0	57,169	0	0	0	17,521	0	0	0	74,690
D0083332	Residential Heating and Cooling	0	(1,945)	0	0	0	(38,610)	(150)	(1,515)	0	(42,220)
D0083538	Neighborhood Weatherization	0	(158,165)	(130,781)	0	0	(2,615,471)	(6,900)	8,922	0	(2,902,395)
D0083542	Energy Planner	(5,276)	(125,715)	(37,022)	(163,607)	107,955	0	(3,943)	117,787	0	(109,821)
D0091106	Residential Prime Time Plus	(511)	(56,742)	(63,150)	(37,232)	(60,000)	(88)	0	(208,264)	0	(425,987)
D0083447	Commercial/Industrial Audit (Free)	0	(21,566)	(1,601)	60	2,162	0	144	(5,251)	0	(26,052)
D0083446	Comprehensive Commercial/Industrial Audit (Paid)	0	(898)	0	(1,000)	0	0	(160)	0	0	(2,058)
D0083534	Commercial Chiller	0	(438)	0	0	0	(10,500)	(25)	0	0	(10,963)
D0083487	Cogeneration	0	9,606	0	0	0	0	(600)	0	0	9,006
D0083318	Conservation Value	0	(91)	0	0	0	(3,000)	0	0	0	(3,091)
D0083540	Commercial Cooling	0	(1,337)	0	0	0	2,604	(41)	0	0	1,226
D0083533	Demand Response	0	(2,793)	0	0	0	(285,200)	(700)	(1,500)	0	(290,193)
D0091107	Facility Energy Management System	0	18,886	0	0	0	(28,000)	(63)	0	0	(9,177)
D0083506	Industrial Load Management (GLSM 2&3)	0	(6,518)	0	0	0	621,848	(900)	0	0	614,430
D0083547	LED Street and Outdoor Conversion Program	0	0	0	0	0	0	0	(691,639)	10,013	(681,626)
D0083528	Lighting Conditioned Space	0	(12,942)	0	0	0	307,777	208	(1,371)	0	293,672
D0083544	Lighting Non-Conditioned Space	0	(9,581)	0	0	0	14,877	(155)	(1,400)	0	3,741
D0083535	Lighting Occupancy Sensors	0	(3,671)	0	0	0	1,880	(121)	0	0	(1,912)
D0083527	CILM (GLSM 1)	0	60	0	0	0	0	0	0	0	60
D0091108	Commercial Smart Thermostats	0	21,156	0	0	0	(119,114)	(148)	(800)	0	(98,906)
D0083529	Standby Generator	0	(11,478)	0	(32,392)	0	(126,481)	(300)	329	0	(170,322)
D0091109	Variable Frequency Drive Control for Compressors	0	11,482	0	0	0	(3,850)	(122)	0	0	7,510
D0083537	Commercial Water Heating	0	(158)	0	0	0	(2,000)	(25)	0	0	(2,183)
D0083539	Conservation Research and Development	0	(501)	0	0	0	0	0	0	0	(501)
D0083531	Renewable Energy Program (Sun to Go)	0	(3,648)	0	(102,655)	0	0	0	(50)	(3,300)	(109,653)
D0083328	Common Expenses	0	(64,015)	(148)	14,767	0	0	378	144	0	(48,874)
D0090066	Integrated Renewable Energy System (Pilot)	3,660	(6,494)	0	0	0	0	(300)	0	0	(3,134)
	Total All Programs	(2,116)	(387,916)	(230,420)	(342,888)	300,000	(2,161,255)	659	(797,648)	6,713	(3,614,871)
	Less Renewable Energy Program	0	(3,648)	0	(102,655)	0	0	0	(50)	(3,300)	(109,653)
	Total Less Renewable Energy Program	(2,116)	(384,269)	(230,420)	(240,233)	300,000	(2,161,255)	659	(797,598)	10,013	(3,505,219)

SCHEDULE CT-2
Page 4 of 4

TAMPA ELECTRIC COMPANY
Description for Accounts
For Months January 2022 through December 2022

Internal Order	Program Name
D0083437	Residential Walk-Through Energy Audit
D0083432	Residential Customer Assisted Audit
D0083434, D0083317	Residential Computer Assisted Audit
D0083526	Residential Ceiling Insulation
D0083530	Residential Duct Repair
D0083488	Energy and Renewable Education, Awareness and Agency Outreach
D0083546	Energy Star Multi-Family
D0083541	Energy Star for New Homes
D0091086	Energy Star Pool Pumps
D0091087	Energy Star Thermostats
D0083332	Residential Heating and Cooling
D0083538	Neighborhood Weatherization
D0083542	Energy Planner
D0091106	Residential Prime Time Plus
D0083486	Residential Window Replacement
D0083335	Prime Time
D0083447	Commercial/Industrial Audit (Free)
D0083446	Comprehensive Commercial/Industrial Audit (Paid)
D0083534	Commercial Chiller
D0083487	Cogeneration
D0083318	Conservation Value
D0083540	Commercial Cooling
D0083533	Demand Response
D0091107	Facility Energy Management System
D0083506	Industrial Load Management (GLSM 2&3)
D0083547	LED Street and Outdoor Conversion Program
D0083528	Lighting Conditioned Space
D0083544	Lighting Non-Conditioned Space
D0083535	Lighting Occupancy Sensors
D0083527	CILM (GLSM 1)
D0091108	Commercial Smart Thermostats
D0083529	Standby Generator
D0091109	Variable Frequency Drive Control for Compressors
D0083537	Commercial Water Heating
D0083539	Conservation Research and Development
D0083531	Renewable Energy Program (Sun to Go)
D0083328	Common Expenses
D0090066	Integrated Renewable Energy System (Pilot)

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Summary of Expenses by Program by Month
For Months January 2022 through December 2022

	Program Name	January	February	March	April	May	June	July	August	September	October	November	December	Total
D0083437	Residential Walk-Through Energy Audit	97,446	137,384	296,315	167,989	82,375	122,635	399,559	153,547	147,884	85,226	112,461	451,897	2,254,718
D0083432	Residential Customer Assisted Audit	54	244	54	109	81	(29,606)	398,166	240	136	109	380	324	370,291
D0083434, D0083317	Residential Computer Assisted Audit	50	699	0	0	160	0	0	0	0	0	0	0	909
D0083526	Residential Ceiling Insulation	6,725	12,154	11,827	19,203	15,527	10,670	20,196	16,042	11,170	15,288	19,119	11,794	169,715
D0083530	Residential Duct Repair	858	1,321	7,232	13,086	(2,045)	1,443	16,834	10,608	5,338	4,894	18,491	11,296	89,356
D0083488	Energy and Renewable Education, Awareness	17,829	3,514	10,595	12,026	9,171	10,990	17,255	4,935	9,663	4,893	24,147	28,891	153,909
D0083546	Energy Star Multi-Family	0	0	0	0	0	0	0	(98)	0	0	0	0	(98)
D0083541	Energy Star for New Homes	17,331	7,026	84,079	106,006	80,012	7,965	16,268	91,042	34,160	87,042	31,512	160,852	723,295
D0091086	Energy Star Pool Pumps	18,260	14,692	31,986	38,589	40,030	43,934	48,972	54,985	44,738	59,615	36,896	27,251	459,948
D0091087	Energy Star Thermostats	7,796	6,401	6,865	7,658	7,551	5,859	12,480	44,791	11,486	8,069	8,933	12,354	140,243
D0083332	Residential Heating and Cooling	33,468	29,128	28,721	33,545	52,183	37,870	33,275	41,987	46,073	26,030	33,533	18,749	414,562
D0083538	Neighborhood Weatherization	19,538	134,353	92,217	91,509	281,884	168,289	113,574	291,233	124,335	218,826	59,753	150,474	1,745,985
D0083542	Energy Planner	344,534	190,696	239,130	211,988	237,430	218,149	165,224	196,558	190,937	181,334	189,387	401,176	2,766,543
D0091106	Residential Prime Time Plus	1,213	3,417	2,681	3,883	742	1,183	527	13,474	78,651	33,393	46,489	35,478	221,131
D0083486	Residential Window Replacement	18,267	14,275	14,254	16,591	22,843	17,996	11,942	22,455	15,841	14,358	15,255	13,121	197,198
D0083335	Prime Time	4,884	856	4,068	233	705	460	5,219	485	182	140	3,943	190	21,365
D0083447	Commercial/Industrial Audit (Free)	13,068	22,435	24,170	35,054	26,512	37,356	23,593	31,773	24,735	21,960	22,746	27,123	310,525
D0083446	Comprehensive Commercial/Industrial Audit (P	0	0	0	0	0	0	0	0	0	0	0	0	0
D0083534	Commercial Chiller	0	0	0	0	0	59	0	0	0	0	0	0	59
D0083487	Cogeneration	1,826	2,190	2,187	2,077	2,084	2,449	2,045	2,139	2,081	1,981	2,071	2,882	26,012
D0083318	Conservation Value	0	0	0	107	136	48	0	17	0	0	0	0	308
D0083540	Commercial Cooling	5,062	70	2,499	235	194	10	0	2,430	248	692	0	1,204	12,644
D0083533	Demand Response	507,999	2,225	572,726	287,352	287,709	289,051	287,459	287,442	287,362	287,645	287,206	2,258	3,386,434
D0091107	Facility Energy Management System	7,745	1,190	1,373	1,148	1,190	13,410	1,142	15,279	1,153	1,041	980	1,588	47,239
D0083506	Industrial Load Management (GLSM 2&3)	1,675,498	1,888,707	1,888,848	1,876,829	1,956,432	2,341,323	1,785,753	2,068,267	1,563,956	110,509	3,662,758	2,572,409	23,391,289
D0083547	LED Street and Outdoor Conversion Program	84,113	619,408	173,583	520,678	129,621	405,024	484,811	632,578	623,010	51,814	101,440	226,221	4,052,301
D0083528	Lighting Conditioned Space	16,894	11,629	69,632	6,144	(8,282)	96,509	18,714	248,231	254,754	31,651	11,693	20,569	778,138
D0083544	Lighting Non-Conditioned Space	24,254	61,735	15,873	11,796	3,467	8,769	15,209	21,633	19,487	22,718	20,788	8,512	234,241
D0083535	Lighting Occupancy Sensors	3,990	852	904	771	1,115	1,159	753	882	11,141	790	747	1,119	24,223
D0083527	CILM (GLSM 1)	0	0	0	933	933	933	933	933	933	933	0	60	6,591
D0091108	Commercial Smart Thermostats	833	1,224	2,557	1,274	135,621	215,416	7,615	21,066	3,094	1,137	12,361	1,601	403,799
D0083529	Standby Generator	400,250	453,037	327,691	406,638	442,566	409,220	409,815	406,976	372,230	444,252	402,902	410,299	4,885,876
D0091109	Variable Frequency Drive Control for Compres	555	828	1,168	760	793	1,150	753	9,801	768	694	653	4,476	22,399
D0083537	Commercial Water Heating	0	0	0	0	0	0	0	0	0	0	0	0	0
D0083539	Conservation Research and Development	0	2,210	0	0	0	191	191	0	0	0	213	244	3,049
D0083531	Renewable Energy Program (Sun to Go)	(9,326)	(9,337)	667	(9,145)	(9,327)	(9,011)	(10,114)	(7,131)	(10,754)	(10,567)	(9,763)	(9,451)	(103,259)
D0083328	Common Expenses	36,416	35,311	62,567	35,305	42,171	65,092	96,074	40,169	35,972	37,532	39,055	43,585	569,249
D0090066	Integrated Renewable Energy System (Pilot)	94,183	93,720	93,257	92,794	92,330	91,893	91,819	91,347	90,875	90,403	89,931	89,459	1,102,011
	Total All Programs	3,451,613	3,743,594	4,069,726	3,993,165	3,933,914	4,587,888	4,476,056	4,816,116	4,001,639	1,834,402	5,246,080	4,728,005	48,882,198
	Less Renewable Energy Program	(9,326)	(9,337)	667	(9,145)	(9,327)	(9,011)	(10,114)	(7,131)	(10,754)	(10,567)	(9,763)	(9,451)	(103,259)
	Total Less Renewable Energy Program	3,460,939	3,752,931	4,069,059	4,002,310	3,943,241	4,596,899	4,486,170	4,823,247	4,012,393	1,844,969	5,255,843	4,737,456	48,985,457

TAMPA ELECTRIC COMPANY
Energy Conservation Adjustment
Calculation of True-up and Interest Provision
For Months January 2022 through December 2022

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 *	3,078,239	3,156,412	3,072,077	3,152,747	3,518,183	4,016,354	4,216,862	4,295,541	4,317,771	3,641,903	3,244,334	3,213,514	42,923,937
3 Total Revenues	3,078,239	3,156,412	3,072,077	3,152,747	3,518,183	4,016,354	4,216,862	4,295,541	4,317,771	3,641,903	3,244,334	3,213,514	42,923,937
4 Prior Period True-up	388,886	388,886	388,886	388,886	388,886	388,886	388,886	388,886	388,886	388,886	388,886	388,885	4,666,631
5 Conservation Revenue Applicable to Period	3,467,125	3,545,298	3,460,963	3,541,633	3,907,069	4,405,240	4,605,748	4,684,427	4,706,657	4,030,789	3,633,220	3,602,399	47,590,568
6 Conservation Expenses	3,460,939	3,752,931	4,069,059	4,002,310	3,943,241	4,596,899	4,486,170	4,823,247	4,012,393	1,844,969	5,255,843	4,737,456	48,985,457
8 Regulatory Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
7 True-up This Period (Line 5 - Line 6)	6,186	(207,633)	(608,096)	(460,677)	(36,172)	(191,659)	119,578	(138,820)	694,264	2,185,820	(1,622,623)	(1,135,057)	(1,394,889)
9 Interest Provision This Period	956	1,622	2,803	4,380	6,076	8,752	11,897	12,916	14,893	20,435	22,703	19,635	127,068
10 True-up & Interest Provision Beginning of Period	10,818,286	10,436,542	9,841,645	8,847,466	8,002,283	7,583,301	7,011,508	6,754,097	6,239,307	6,559,578	8,376,947	6,388,141	10,818,286
11 Prior Period True-up Collected (Refunded)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,886)	(388,885)	(4,666,631)
12 End of Period Total Net True-up	10,436,542	9,841,645	8,847,466	8,002,283	7,583,301	7,011,508	6,754,097	6,239,307	6,559,578	8,376,947	6,388,141	4,883,834	4,883,834

* 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 2022 through December 2022

	Interest Provisic	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Beginning True-	$10,818,286	$10,436,542	$9,841,645	$8,847,466	$8,002,283	$7,583,301	$7,011,508	$6,754,097	$6,239,307	$6,559,578	$8,376,947	$6,388,141	
2	Ending True-up	10,435,586	9,840,023	8,844,663	7,997,903	7,577,225	7,002,756	6,742,200	6,226,391	6,544,685	8,356,512	6,365,438	4,864,199	
3	Total Beginning	21,253,872	20,276,565	18,686,308	16,845,369	15,579,508	14,586,057	13,753,708	12,980,488	12,783,992	14,916,090	14,742,385	11,252,340	
4	Average True-u	10,626,936	10,138,283	9,343,154	8,422,685	7,789,754	7,293,029	6,876,854	6,490,244	6,391,996	7,458,045	7,371,193	5,626,170	
5	Interest Rate - F	0.080000	0.140000	0.240000	0.490000	0.760000	1.120000	1.760000	2.400000	2.380000	3.200000	3.370000	4.010000	
6	Interest Rate - F	0.140000	0.240000	0.490000	0.760000	1.120000	1.760000	2.400000	2.380000	3.200000	3.370000	4.010000	4.370000	
7	Total (Line 5 + L	0.220000	0.380000	0.730000	1.250000	1.880000	2.880000	4.160000	4.780000	5.580000	6.570000	7.380000	8.380000	
8	Average Interes	0.110000	0.190000	0.365000	0.625000	0.940000	1.440000	2.080000	2.390000	2.790000	3.285000	3.690000	4.190000	
9	Monthly Averag	0.000090	0.000160	0.000300	0.000520	0.000780	0.001200	0.001730	0.001990	0.002330	0.002740	0.003080	0.003490	
10	Interest Provisic	$956	$1,622	$2,803	$4,380	$6,076	$8,752	$11,897	$12,916	$14,893	$20,435	$22,703	$19,635	$127,068

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

PRICE RESPONSIVE LOAD MANAGEMENT

	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Investment		$30,180	$70,153	$43,972	$17,935	$105,122	$87,959	$95,479	$163,681	$112,676	$42,784	$81,719	$121,300	$972,961
2	Retirements		$1,050	$61,066	$23,034	$52,216	$47,726	$44,093	$32,210	$68,597	$33,666	$58,323	$43,475	$107,005	$572,461
3	Depreciation Base		2,722,440	2,731,527	2,752,465	2,718,184	2,775,580	2,819,446	2,882,715	2,977,800	3,056,810	3,041,271	3,079,515	3,093,811	
4	Depreciation Expense		45,131	45,450	45,700	45,589	45,781	46,625	47,518	48,838	50,288	50,817	51,007	51,445	574,189
5	Cumulative Investment	2,693,310	$2,722,440	$2,731,527	$2,752,465	$2,718,184	$2,775,580	$2,819,446	$2,882,715	$2,977,800	$3,056,810	$3,041,271	$3,079,515	$3,093,811	$3,093,811
6	Less: Accumulated Depreciation	1,533,055	1,577,136	1,561,520	1,584,186	1,577,559	1,575,614	1,578,146	1,593,454	1,573,695	1,590,317	1,582,811	1,590,343	1,534,783	1,534,783
7	Net Investment	$1,160,255	$1,145,304	$1,170,007	$1,168,279	$1,140,625	$1,199,966	$1,241,300	$1,289,261	$1,404,105	$1,466,493	$1,458,460	$1,489,172	$1,559,028	$1,559,028
8	Average Investment		1,152,780	1,157,656	1,169,143	1,154,452	1,170,296	1,220,633	1,265,281	1,346,683	1,435,299	1,462,477	1,473,816	1,524,100	
9	Return on Average Investment - Equity Component		6,008	6,033	6,093	6,017	6,099	6,362	6,756	7,190	7,664	7,809	7,869	8,138	82,038
10	Return on Average Investment - Debt Component		1,641	1,648	1,664	1,643	1,666	1,737	1,801	1,917	2,043	2,082	2,098	2,169	22,109
11	Total Depreciation and Return		$52,780	$53,131	$53,457	$53,249	$53,546	$54,724	$56,075	$57,945	$59,995	$60,708	$60,974	$61,752	$678,336

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

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	$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		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
6	Less: Accumulated Depreciation	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	
9	Return on Average Investment		0	0	0	0	0	0	0	0	0	0	0	0	0
10	Return Requirements		0	0	0	0	0	0	0	0	0	0	0	0	0
11	Total Depreciation and Return		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

ENERGY EDUCATION AWARENESS

	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	$ -
2	Retirements		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$10,039	$12,523	22,562
3	Depreciation Base		43,732	43,732	43,732	43,732	43,732	43,732	43,732	43,732	43,732	43,732	33,693	21,170	
4	Depreciation Expense		729	729	729	729	729	729	729	729	729	729	645	456	8,391
5	Cumulative Investment	43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$43,732	$33,693	$21,170	$21,170
6	Less: Accumulated Depreciation	28,832	29,561	30,290	31,019	31,748	32,477	33,206	33,935	34,664	35,393	36,122	26,728	14,661	14,661
7	Net Investment	$14,900	$14,171	$13,442	$12,713	$11,984	$11,255	$10,526	$9,797	$9,068	$8,339	$7,610	$6,965	$6,509	$6,509
8	Average Investment		14,535	13,807	13,078	12,349	11,620	10,891	10,162	9,433	8,704	7,975	7,288	6,737	
9	Return on Average Investment - Equity Component		76	72	68	64	61	57	54	50	46	43	39	36	666
10	Return on Average Investment - Debt Component		21	20	19	18	17	16	14	13	12	11	10	10	181
11	Total Depreciation and Return		$826	$821	$816	$811	$807	$802	$797	$792	$787	$783	$694	$502	$9,238

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

COMMERCIAL 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	$ -
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		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
6	Less: Accumulated Depreciation	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	
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		-	-	-	-	-	-	-	-	-	-	-	-	-
11	Total Depreciation and Return		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

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TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

INTEGRATED RENEWABLE ENERGY SYSTEMS (PILOT)

	Description	Beginning of Period	January	February	March	April	May	June	July	August	September	October	November	December	Total
1	Expenditures/Additions		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$ -
2	In-Service		$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		4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	4,188,533	
5	Depreciation Expense		69,809	69,809	69,809	69,809	69,809	69,809	69,809	69,809	69,809	69,809	69,809	69,809	837,708
6	Cumulative Investment In-Service	4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533	$4,188,533
7	Less: Accumulated Depreciation	480,114	549,923	619,732	689,541	759,350	829,159	898,968	968,777	1,038,586	1,108,395	1,178,204	1,248,013	1,317,820	1,317,820
8	CWIP	0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	0
9	Net Investment	$3,708,420	$3,638,610	$3,568,801	$3,498,992	$3,429,183	$3,359,374	$3,289,565	$3,219,756	$3,149,947	$3,080,138	$3,010,329	$2,940,520	$2,870,713	$2,870,713
10	Average Investment		3,673,515	3,603,706	3,533,897	3,464,088	3,394,279	3,324,470	3,254,661	3,184,852	3,115,043	3,045,234	2,975,425	2,905,617	
11	Return on Average Investment - Equity Component		19,145	18,782	18,418	18,054	17,690	17,326	17,378	17,005	16,632	16,260	15,887	15,514	208,091
12	Return on Average Investment - Debt Component		5,229	5,129	5,030	4,931	4,831	4,732	4,632	4,533	4,434	4,334	4,235	4,136	56,186
13	Total Depreciation and Return		$94,183	$93,720	$93,257	$92,794	$92,330	$91,867	$91,819	$91,347	$90,875	$90,403	$89,931	$89,459	$1,101,985

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

TAMPA ELECTRIC COMPANY
Schedule of Capital Investment, Depreciation and Return
For Months January 2022 through December 2022

RESIDENTIAL PRIME TIME PLUS

	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	$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		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
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	
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		0	0	0	0	0	0	0	0	0	0	0	0	0
11	Total Depreciation and Return		$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Depreciation expense is calculated using a useful life of 60 months.
Line 9 x 6.2541% x 1/12, based on ROE of 9.95% (Jan-Jun). Line 9 x 6.4072% x 1/12, based on ROE of 10.20% (Jul-Dec). Both based on weighted income tax rate of 25.345% (expansion factor of 1.34315).
Line 10 x 1.7080% x 1/12 (Jan-Dec).

SCHEDULE CT-5
Page 1 of 1

TAMPA ELECTRIC COMPANY
Reconciliation and Explanation of
Difference Between Filing and FPSC Audit
For Months January 2022 through December 2022

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, 2022 to December 31, 2022

Number of customers participating:

Residential Walk-Through:	4,308
Residential Customer Assisted:	109,802
Residential Computer Assisted:	2
Commercial/Industrial:	766
Commercial/Industrial Comprehensive:	0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $2,936,443.

Program Progress Summary: Through this reporting period 371,150 customers have participated in on-site audits. Additionally, 457,354 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, 2022 to December 31, 2022

Number of customers participating: 425

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $169,715.

Program Progress Summary: Through this reporting period 125,029 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, 2022 to December 31, 2022

Number of customers participating: 420

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $89,356.

Program Progress Summary: Through this reporting period 104,411 customers have participated.

Program Description and Progress

Program Title: Energy and Renewable Education, Awareness and Agency Outreach

Program Description: The Energy and Renewable 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, 2022 to December 31, 2022

In this reporting period Tampa Electric participated in over 17 designated energy education and awareness events. Tampa Electric also continues to partner with Junior Achievement BizTown. In addition, the company gave 20 presentations to civic organizations and distributed 2,488 energy saving kits to participating customers. As well as presented electric vehicle education to 556 students at (three) local high schools.

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $153,909.

Program Progress Summary: Through this reporting period Tampa Electric has partnered with 139 local schools to present Energy Education to 41,729 students and Electric Vehicle Education to 1,838 with (three) local high schools. In addition, the company gave 222 presentations to civic organizations that generated 1,559 customer assisted audits and distributed 11,882 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, 2022 to December 31, 2022

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were -$98.

Program Progress Summary: Through this reporting period 264 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, 2022 to December 31, 2022

Number of customers participating: 708

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $723,295.

Program Progress Summary: Through this reporting period 17,055 customers have participated.

Program Description and Progress

Program Title: ENERGY STAR Pool Pumps

Program Description: The ENERGY STAR Pool Pumps 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 ENERGY STAR rated pool pumps to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. High efficiency pool pumps require less demand and energy as compared to standard systems. This program will rebate residential customers that install a qualifying pool pump.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: 1,193

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $459,948.

Program Progress Summary: Through this reporting period 1,831 customers have participated.

Program Description and Progress

Program Title: ENERGY STAR Thermostats

Program Description: The ENERGY STAR Thermostats Program is designed to encourage customers to make cost-effective improvements to existing residences. The goal is to offer customer rebates for installing an ENERGY STAR certified smart thermostat to help reduce their energy consumption while reducing Tampa Electric's weather sensitive peak demand. Smart thermostats are designed to reduce demand and energy by decreasing the load on residential air conditioning and heating equipment and providing energy usage information regarding the heating and cooling system's settings and usage. This program will rebate residential customers that install a qualifying thermostat.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: 1,403

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $140,243.

Program Progress Summary: Through this reporting period 2,395 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, 2022 to December 31, 2022

Number of customers participating: 2,643

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $414,562.

Program Progress Summary: Through this reporting period 217,588 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, 2022 to December 31, 2022

Number of customers participating: 9,159

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $1,745,985.

Program Progress Summary: Through this reporting period 70,752 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, 2022 to December 31, 2022 Number of net customers participating: 341
Program Fiscal Expenditures:	January 1, 2022 to December 31, 2022 Actual expenses were $2,766,543.
Program Progress Summary:	Through this reporting period 7,989 customers have participated.

Program Description and Progress

Program Title: Residential Prime Time Plus

Program Description: Tampa Electric's "Prime Time Plus" is a residential load management program designed to alter the company's system load curve by reducing summer and winter demand peaks. Residential loads such as heating, air conditioning, water heaters and pool pumps will be controlled via the company's advanced metering infrastructure ("AMI") when that system fully becomes available. In addition, the customer will receive the same programmable "smart thermostat" and access to the web portal offered in the Energy Planner program. The web portal and "smart thermostat" allow the customer to change thermostat settings from any web connected device. The program will leverage the company's AMI to provide the communication with the installed thermostat and customer selected appliances for load control.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of net customers participating: One (1)

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $221,131.

Program Progress Summary: Through this reporting period one (1) customer has 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, 2022 to December 31, 2022

Number of customers participating: 1,051

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $197,198.

Program Progress Summary: Through this reporting period 20,575 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, 2022 to December 31, 2022

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $21,365.

Program Progress Summary: This program was retired on May 11, 2016.

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, 2022 to December 31, 2022

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $59.

Program Progress Summary: Through this reporting period 75 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, 2022 to December 31, 2022

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, 2022 to December 31, 2022

Actual expenses were $26,012.

Program Progress Summary: At the end of 2022, there are seven cogeneration Qualifying Facilities ("QFs") that are on-line in Tampa Electric's service area. The total nameplate generation capacity of these seven interconnected cogeneration facilities is 398.3 MW. During 2022, the company received 49 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, 2022 to December 31, 2022

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $308.

Program Progress Summary: Through this reporting period 51 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, 2022 to December 31, 2022

Number of customers participating: 56

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $12,644.

Program Progress Summary: Through this reporting period 2,452 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, 2022 to December 31, 2022 See Program Progress Summary below.
Program Fiscal Expenditures:	January 1, 2022 to December 31, 2022 Actual expenses were $3,386,434.
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: Facility Energy Management System

Program Description: The Facility Energy Management System 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 facility energy management system that provides real time operational, production and energy consumption information which enables the customer to reduce their energy consumption and demand and reducing Tampa Electric's peak demand. Tampa Electric will provide a rebate to customers who install a qualifying facility energy management system.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: Two (2)

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $47,239.

Program Progress Summary: Through this reporting period four (4) 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, 2022 to December 31, 2022

Net new customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $23,391,289.

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. Beginning January 2022, Tampa Electric closed the IS (firm) rate schedule and transferred these customers to either GSD or GSLD. These customers continue to be 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, 2022 to December 31, 2022

Number of luminaires retired: 41,992

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Net expenditures were $4,052,301.

Program Progress Summary: Through this reporting period 200,994 luminaires have been converted.

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, 2022 to December 31, 2022

Number of customers participating: 131

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $778,138.

Program Progress Summary: Through this reporting period 3,246 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, 2022 to December 31, 2022

Number of customers participating: 100

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $234,241.

Program Progress Summary: Through this reporting period 1,223 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, 2022 to December 31, 2022

Number of customers participating: 3

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $24,223.

Program Progress Summary: Through this reporting period 237 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, 2022 to December 31, 2022

Net new customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $6,591.

Program Progress Summary: Through this reporting period there are four participating customers on cyclic control and zero customers on extended control.

Program Description and Progress

Program Title: Commercial Smart Thermostats

Program Description: The Commercial Smart Thermostat 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 smart thermostats to help reduce their demand while reducing Tampa Electric's weather sensitive peak demand. Smart thermostats are designed to reduce demand and energy by decreasing the load on commercial/industrial air conditioning and heating equipment and providing energy usage information regarding the heating and cooling system's settings and usage. This program will rebate commercial/industrial customers that install qualifying thermostat(s).

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: 137

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $403,799.

Program Progress Summary: Through this reporting period 139 customers have participated.

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, 2022 to December 31, 2022

Net new customers participating: 2

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $4,885,876.

Program Progress Summary: Through this reporting period there are 115 participating customers.

Program Description and Progress

Program Title: Variable Frequency Drive Control for Compressors

Program Description: The Variable Frequency Drive Control for Compressors 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 variable frequency drives to their new or existing refrigerant or air compressor motors to help reduce their demand while reducing Tampa Electric's weather sensitive peak demand. Tampa Electric will provide a rebate to customers who install a qualifying variable frequency drive.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: 21

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $22,399.

Program Progress Summary: Through this reporting period 22 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, 2022 to December 31, 2022

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $0.

Program Progress Summary: Through this reporting period zero customers have participated.

Program Description and Progress

Program Title: Integrated Renewable Energy System (Pilot)

Program Description: The commercial/industrial Integrated Renewable Energy System Program is a five-year pilot program to study the capabilities and DSM opportunities of a fully integrated renewable energy system. The integrated renewable energy system will include an approximate 800 kW photovoltaic array, two-250 kW batteries, and several electric vehicle charging systems to charge electric vehicles, industrial vehicles and auxiliary industrial vehicle batteries. The pilot program will have two main purposes. The first main purpose is to evaluate the capability to perform demand response from the main batteries and each vehicle battery and to determine the preferred operating characteristics of a fully integrated renewable and energy storage system to leverage DSM opportunities. The second main purpose is to use the installation and its associated operational information as an education platform for commercial and industrial customers seeking information on this type of system and its benefits, concerns and capabilities.

Program Accomplishments: January 1, 2022 to December 31, 2022

Number of customers participating: 0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $1,102,011.

Program Progress Summary: Tampa Electric completed the first full year of operational testing of the integrated renewable energy system in 2022.

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, 2022 to December 31, 2022

See Program Progress Summary below.

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $3,049.

Program Progress Summary: For 2022, the company continued to monitor small to mid-size commercial batteries that could be used as a specific Research and Development (R&D) project. The company plans to purchase and install batteries to be studied at customer facilities during 2023.

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, 2022 to December 31, 2022

Year-end customers participating:	1,121
Number of net customers participating:	-25
Blocks of energy purchased:	2,096
One-time blocks of energy sold:	0

Program Fiscal Expenditures: January 1, 2022 to December 31, 2022

Actual expenses were $24,586.
Actual program revenues were $127,845.

Program Progress Summary: In this reporting period 25,613 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, 2022 to December 31, 2022 N/A
Program Fiscal Expenditures:	January 1, 2022 to December 31, 2022 Actual expenses were $569,249.
Program Progress Summary:	N/A