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March 5, 2024

VIA E-PORTAL

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

Re: Undocketed Reports - 2024

Dear Mr. Teitzman:

Attached for electronic filing on behalf of Florida Public Utilities Company, please find the Company's Revised Annual Conservation Report, filed in accordance with Rule 25-17.0021(5), F.A.C .

Should you have any questions whatsoever, please do not hesitate to contact me. Thank you for your assistance in this matter.

Sincerely,

s/Beth Keating
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Cc://(Imig, Barrett)

2023 ANNUAL CONSERVATION REPORT

Florida Public Utilities Company

March 1st, 2024 (Revised March 5, 2024)

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1 Introduction

This document contains Florida Public Utilities Company's (FPUC) annual report summarizing its demand-side management activities and the total actual achieved results for its approved DSM goals for the 2023 calendar year in accordance with 25-17.0021 (5) FAC. FPUC's 2014 conservation goals were approved in Order No. PSC-14-0696-FOF-EU dated December 29, 2014. In this document, FPUC's conservation plan performance for 2023 is compared to the 2014 goals. FPUC's 2015 Demand-Side Management (DSM) Plan, which was developed to meet the 2014 conservation goals, significantly changed FPUC's conservation programs. These changes were implemented with the approval of the 2015 DSM plan with Consummating Order No. PSC-15-0326-PAA-EG dated August 11, 2015.

2 Comparison to 2014 Goals

Tables 2-1 through 2-6 present FPUC’s 2023 demand and energy conservation program savings compared to the 2014 goals for residential, commercial/industrial, and total both at the generator and meter. Order No. PSC-14-0696-FOF-EU only specifies goals at the generator. For Tables 2-4 through 2-6 at the meter, the goals from PSC-14-0696-FOF-EU are reduced by losses. Detailed performance of the individual programs is shown in Section 3.0.

Table 2-1 Residential Class Programs (At the Generator)

Year	Winter Peak (MW) Reduction			Summer Peak (MW) Reduction			GWh Energy Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.470	0.130	265.12%	0.770	0.200	285.59%	1.650	0.510	224.22%
2012	0.350	0.130	159.58%	0.540	0.200	167.39%	1.160	0.510	127.48%
2013	0.390	0.130	197.50%	0.630	0.200	212.53%	1.340	0.510	163.45%
2014	0.430	0.130	230.77%	0.680	0.200	240.00%	1.480	0.510	190.20%
2015	0.428	0.012	3464.61%	0.756	0.036	2000.46%	1.459	0.023	6245.17%
2016	0.263	0.015	1655.35%	0.462	0.046	903.69%	0.894	0.030	2879.31%
2017	0.248	0.018	1279.48%	0.440	0.056	686.59%	0.849	0.038	2134.26%
2018	0.225	0.022	920.68%	0.399	0.067	495.88%	0.769	0.045	1608.60%
2019	0.107	0.025	428.00%	0.188	0.078	241.03%	0.387	0.053	730.38%
2020	0.142	0.028	507.86%	0.253	0.089	283.43%	0.488	0.060	812.74%
2021	0.095	0.031	307.28%	0.167	0.099	168.98%	0.3177	0.067	474.21%
2022	0.101	0.034	297.05%	0.174	0.107	162.62	0.3196	0.073	437.80%
2023	0.058	0.036	161.88%	0.098	0.117	83.37%	0.190	0.078	243.29%

Table 2-2 Commercial/Industrial Class Programs (At the Generator)

Year	Winter Peak (MW) Reduction			Summer Peak (MW) Reduction			GWh Energy Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.080	0.060	39.40%	0.120	0.230	-46.67%	0.410	0.780	-47.07%
2012	0.050	0.060	-23.36%	0.070	0.230	-69.44%	0.200	0.780	-74.20%
2013	0.040	0.060	-31.92%	0.060	0.230	-72.60%	0.180	0.780	-77.26%
2014	0.130	0.060	116.67%	0.200	0.230	-13.04%	0.700	0.780	-10.25%
2015	0.002	0.010	-78.20%	0.004	0.012	-67.00%	0.008	0.055	-86.28%
2016	0.039	0.008	389.50%	0.072	0.027	165.74%	0.143	0.078	82.71%
2017	0.000	0.009	-100.00%	0.000	0.031	-100.00%	0.000	0.094	-100.00%
2018	0.000	0.018	-100.00%	0.043	0.039	9.15%	0.109	0.115	-5.56%
2019	0.000	0.018	-100.00%	0.010	0.045	-77.56%	0.0269	0.148	-81.79%
2020	0.001	0.018	-93.94%	0.018	0.052	-65.42%	0.0442	0.168	-73.70%
2021	0.002	0.018	-88.88%	0.004	0.058	-93.10%	0.0073	0.182	-95.98%
2022	0.000	0.027	-100.00%	0.000	0.058	-100.00%	0.0000	0.202	-100.00%
2023	0.000	0.027	-100.00%	0.000	0.065	-100.00%	0.0000	0.215	-100.00%

Table 2-3 Total Savings Across All Programs and Classes (At the Generator)

Year	Winter Peak (MW)			Summer Peak (MW)			GWh Energy		
	Reduction			Reduction			Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.560	0.190	193.84%	0.890	0.430	107.87%	2.070	1.290	60.18%
2012	0.380	0.190	101.65%	0.610	0.430	40.70%	1.360	1.290	5.50%
2013	0.430	0.190	125.06%	0.690	0.430	60.02%	1.520	1.290	17.90%
2014	0.560	0.190	194.74%	0.890	0.430	106.98%	2.180	1.290	68.99%
2015	0.430	0.022	1854.24%	0.760	0.057	1233.55%	1.467	0.078	1780.69%
2016	0.302	0.023	1215.05%	0.533	0.073	630.75%	1.036	0.108	859.54%
2017	0.248	0.027	819.65%	0.440	0.087	406.31%	0.849	0.132	543.20%
2018	0.225	0.040	461.38%	0.442	0.106	316.80%	0.877	0.160	448.42%
2019	0.107	0.043	248.84%	0.198	0.123	160.98%	0.414	0.201	206.00%
2020	0.143	0.046	311.50%	0.271	0.141	192.54%	0.532	0.228	233.26%
2021	0.097	0.049	198.48%	0.171	0.157	109.10%	0.325	0.249	130.52%
2022	0.101	0.061	167.55%	0.174	0.169	129.44%	0.3196	0.275	116.21%
2023	0.58	0.063	92.50%	0.098	0.182	53.60%	0.190	0.293	64.77%

Table 2-4 Residential Class Programs (At the Meter)

Year	Winter Peak (MW)			Summer Peak (MW)			GWh Energy		
	Reduction			Reduction			Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.450	0.110	323.30%	0.740	0.200	268.14%	1.580	0.480	227.76%
2012	0.320	0.110	192.90%	0.510	0.200	155.29%	1.110	0.480	130.75%
2013	0.370	0.110	235.68%	0.600	0.200	198.39%	1.280	0.480	167.24%
2014	0.410	0.110	272.73%	0.650	0.200	225.00%	1.420	0.480	195.83%
2015	0.390	0.011	3463.73%	0.689	0.033	2000.30%	1.416	0.022	6245.22%
2016	0.240	0.014	1654.92%	0.421	0.042	903.61%	0.867	0.029	2879.33%
2017	0.226	0.016	1279.14%	0.401	0.051	686.53%	0.824	0.037	2134.28%
2018	0.205	0.020	920.43%	0.364	0.061	495.84%	0.746	0.044	1608.61%
2019	0.118	0.023	513.04%	0.206	0.071	29.01%	0.399	0.048	831.58%
2020	0.128	0.024	536.25%	0.231	0.084	275.12%	0.473	0.055	859.98%
2021	0.086	0.028	307.28%	0.151	0.089	168.98%	0.286	0.060	474.21%
2022	0.091	0.031	293.54%	0.157	0.152	153.59%	0.288	0.066	436.36%
2023	0.053	0.032	145.92%	0.088	0.152	75.15%	0.171	0.066	219.30%

Table 2-5 Commercial/Industrial Class Programs (At the Meter)

Year	Winter Peak (MW)			Summer Peak (MW)			GWh Energy		
	Reduction			Reduction			Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.080	0.050	52.10%	0.120	0.200	-41.81%	0.390	0.750	-47.45%
2012	0.040	0.050	-12.20%	0.070	0.200	-65.00%	0.190	0.750	-74.39%
2013	0.040	0.050	-22.00%	0.060	0.200	-71.52%	0.170	0.750	-77.42%
2014	0.120	0.050	140.00%	0.190	0.200	-5.00%	0.670	0.750	-10.67%
2015	0.002	0.009	-78.27%	0.004	0.011	-67.07%	0.007	0.053	-86.28%
2016	0.036	0.007	389.30%	0.065	0.025	166.17%	0.138	0.076	82.71%
2017	0.000	0.008	-100.00%	0.000	0.028	-100.00%	0.000	0.091	-100.00%
2018	0.000	0.016	-100.00%	0.039	0.036	10.14%	0.105	0.112	-5.56%
2019	0.000	0.017	-100.00%	0.010	0.041	-73.43%	0.003	0.135	-79.41%
2020	0.001	0.017	-94.18%	0.016	0.047	-65.3%	0.043	0.152	-71.80%
2021	0.002	0.016	-87.50%	0.004	0.052	-76.92%	0.007	0.164	-95.73%
2022	0.000	0.024	-100.00%	0.000	0.052	-100.00%	0.000	0.182	-100.00%
2023	0.000	0.027	-100.00%	0.000	0.065	-100.00%	0.000	0.202	-100.00%

Table 2-6 Total Savings Across All Programs and Classes (At the Meter)

Year	Winter Peak (MW)			Summer Peak (MW)			GWh Energy		
	Reduction			Reduction			Reduction		
	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance	Total Achieved	Commission Approved Goal	% Variance
2011	0.530	0.160	237.79%	0.850	0.410	105.81%	1.970	1.230	60.99%
2012	0.370	0.160	128.80%	0.580	0.410	40.91%	1.300	1.230	5.67%
2013	0.410	0.160	155.16%	0.650	0.410	59.45%	1.450	1.230	18.06%
2014	0.540	0.160	237.50%	0.850	0.410	107.32%	2.090	1.230	69.92%
2015	0.392	0.020	1853.73%	0.692	0.052	1233.44%	1.423	0.076	1780.70%
2016	0.275	0.021	1214.70%	0.486	0.067	630.86%	1.005	0.105	859.55%
2017	0.226	0.025	819.42%	0.401	0.079	406.27%	0.824	0.128	543.20%
2018	0.205	0.036	461.24%	0.403	0.097	317.14%	0.851	0.155	448.43%
2019	0.118	0.039	303.56%	0.216	0.112	192.86%	0.426	0.183	233.30%
2020	0.129	0.041	316.32%	0.247	0.128	193.28%	0.515	0.207	249.20%
2021	0.088	0.044	200.00%	0.154	0.142	108.45%	0.293	0.224	130.54%
2022	0.091	0.044	206.81%	0.157	0.142	110.56%	0.288	0.224	128.57%
2023	0.053	0.063	92.50%	0.088	0.182	53.60%	0.171	0.264	58.38%

Summary of FPUC's 2023 DSM Goal Performance

For the ninth consecutive year, FPU has once again exceeded the commission-approved residential energy savings goal by a significant margin, surpassing it by over 240%. The winter megawatt reduction goals set by FPUC were also achieved. However, during the summer, FPUC fell short of its goals due to a decrease in participation in the residential space cooling program. Additionally, FPUC's commercial programs faced challenges, with no participants in the commercial demand side management programs. This lack of participation among commercial customers led to a reduction in FPUC's total savings across all programs. Specifically, achievements at the generator were at 92.5% of the winter peak goals and 53.6% of the summer peak reduction goals, resulting in a 64.77% variance in total energy reduction.

3 Existing Programs and 2014 Goals

FPUC's 2015 Demand-Side Management Plan was approved in August 2015. Under this plan, FPUC implemented the following programs.

- Residential Energy Survey
- Residential Heating and Cooling Upgrade
- Commercial Heating and Cooling Upgrade
- Commercial Chiller
- Commercial Reflective Roof

Tables 3-1 through 3-7 present the performance for each of the programs.

Table 3-1 Residential Energy Survey Current Participation and Expected Future Savings

Year	Number of Customers	Number of Eligible Customers	Annual Program Participants	Cumulative Program Participants	Total Penetration Level		
2015	23,284	23,284	354	354	1.52%		
2016	23,335	23,335	280	634	2.72%		
2017	23,387	23,387	180	814	3.48%		
2018	23,513	23,513	148	962	4.09%		
2019	23,639	23,639	123	1085	4.58%		
2020	24,573	24,573	83	1168	4.75%		
2021	25,299	25,299	108	1276	5.04%		
2022	25,565	25,565	74	1,350	5.28%		
2023	25,738	25,738	154	1,504	5.84%		
Year	Actual/ Projected Participants	Reduction Per Installation			Total Annual Reduction		
		kWh	Winter kW	Summer kW	kWh	Winter kW	Summer kW
At The Meter							
2015	354	141	0.057	0.049	50,065	20	17
2016	280	141	0.057	0.049	39,599	16	14
2017	180	141	0.057	0.049	25,457	10	9
2018	148	141	0.057	0.049	20,931	8	7
2019	123	141	0.057	0.049	17,343	7	6
2020	83	141	0.057	0.049	11,703	4.7	4.1
2021	108	141	0.057	0.049	15,228	6.1	5.2
2022	74	141	0.057	0.049	10,434	4.3	3.6
2023	154	141	0.057	0.049	21,714	8.778	7.5
At The Generator							
2015	354	146	0.063	0.054	51,613	22	19
2016	280	146	0.063	0.054	40,824	18	15
2017	180	146	0.063	0.054	26,244	11	10
2018	148	146	0.063	0.054	21,578	9	8
2019	123	146	0.063	0.054	17,985	8	7
2020	83	146	0.063	0.054	12,118	5.2	4.5
2021	108	146	0.063	0.054	15,768	6.8	5.8
2022	74	146	0.063	0.054	10,804	4.7	4.0
2023	154	146	0.063	0.054	22,484	9.7	8.3

Table 3-2 Residential Heating & Cooling Upgrade Current Participation and Expected Future Savings

Year	Number of Customers	Number of Eligible Customers	Annual Program Participants	Cumulative Program Participants	Total Penetration Level		
2015	23,284	23,284	373	373	1.60%		
2016	23,335	23,335	226	599	2.57%		
2017	23,387	23,387	218	817	3.49%		
2018	23,513	23,513	198	1015	4.32%		
2019	23,639	23,639	101	1116	4.72%		
2020	24,573	24,573	126	1242	5.05%		
2021	25,299	25,299	90	1332	3.56%		
2022	25,565	25,565	92	1424	5.57%		
2023	25,738	25,738	50	1,474	5.72%		
Year	Actual/ Projected Participants	Reduction Per Installation			Total Annual Reduction		
		kWh	Winter kW	Summer kW	kWh	Winter kW	Summer kW
At The Meter							
2015	373	3,661	0.99	1.80	1,365,553	369	671
2016	226	3,661	0.99	1.80	827,386	224	407
2017	218	3,661	0.99	1.80	798,098	216	392
2018	198	3,661	0.99	1.80	724,878	196	356
2019	101	3,661	0.99	1.80	369,761	100	182
2020	126	3,661	0.99	1.80	461,286	124	227
2021	90	3,661	0.99	1.80	329,490	89	162
2022	92	3,661	0.99	1.80	309,212	91	166
2023	50	3,661	0.99	1.80	183,050	49.5	90
At The Generator							
2015	373	3,774	1.087	1.976	1,407,777	405	737
2016	226	3,774	1.087	1.976	852,969	246	447
2017	218	3,774	1.087	1.976	822,776	237	431
2018	198	3,774	1.087	1.976	747,292	215	391
2019	101	3,774	1.087	1.976	381,174	110	199
2020	126	3,774	1.087	1.976	475,524	137	249
2021	90	3,774	1.087	1.976	339,660	98	178
2022	92	3,774	1.087	1.976	339,698	101	182
2023	50	3,774	1.087	1.976	188,700	54.4	98

Table 3-3 Commercial Heating & Cooling Current Participation and Expected Future Savings

Year	Number of Customers	Number of Eligible Customers	Annual Program Participants	Cumulative Program Participants	Total Penetration Level		
2015	4,275	4,275	2	2	0.05%		
2016	4,275	4,275	4	6	0.14%		
2017	4,275	4,275	0	6	0.14%		
2018	4,275	4,275	0	6	0.14%		
2019	4,275	4,275	0	6	0.14%		
2020	4,243	4,275	1	7	0.16%		
2021	4,396	4,396	2	9	2.05%		
2022	4,467	4,467	0	9	2.01%		
2023	4,481	4,481	0	9	2.01%		
Year	Actual/ Projected Participants	Reduction Per Installation			Total Annual Reduction		
		kWh	Winter kW	Summer kW	kWh	Winter kW	Summer kW
At The Meter							
2015	2	3,661	0.99	1.80	7,322	2	4
2016	4	3,661	0.99	1.80	14,644	4	7
2017	0	3,661	0.99	1.80	0	0	0
2018	0	3,661	0.99	1.80	0	0	0
2019	0	3,661	0.99	1.80	0	0	0
2020	1	3,661	0.99	1.80	3,661	.99	1.8
2021	2	3,661	0.99	1.80	7,322	1.98	3.6
2022	0	3,661	0.99	1.80	0	0	0
2023	0	3,661	0.99	1.80	0	0	0
At The Generator							
2015	2	3,774	1.09	1.98	7,548	2	4
2016	4	3,774	1.09	1.98	15,097	4	8
2017	0	3,774	1.09	1.98	0	0	0
2018	0	3,774	1.09	1.98	0	0	0
2019	0	3,774	1.09	1.98	0	0	0
2020	1	3,774	1.09	1.98	3,774	1.09	1.98
2021	2	3,774	1.09	1.98	7,548	2.18	3.96
2022	0	3,774	1.09	1.98	0	0	0

2023	0	3,774	1.09	1.98	0	0	0
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Table 3-4 Commercial Chiller Current Participation and Expected Future Savings

Year	Number of Customers	Number of Eligible Customers	Annual Program Participants	Cumulative Program Participants	Total Penetration Level		
2015	4,275	4,275	0	0	0.00%		
2016	4,275	4,285	1	1	0.02%		
2017	4,275	4,294	0	1	0.02%		
2018	4,275	4,317	0	1	0.02%		
2019	4,275	4,340	0	1	0.02%		
2020	4,275	4,364	0	1	0.02%		
2021	4,396	4,396	0	1	0.02%		
2022	4,467	4,467	0	1	0.02%		
2023	4,481	4,481	0	1	0.02%		

Year	Actual/ Projected Participants	Reduction Per Installation			Total Annual Reduction		
		kWh	Winter kW	Summer kW	kWh	Winter kW	Summer kW
At The Meter							
2015	0	81,943	31.70	42.80	0	0	0
2016	1	81,943	31.70	42.80	81,943	32	43
2017	0	81,943	31.70	42.80	0	0	0
2018	0	81,943	31.70	42.80	0	0	0
2019	0	81,943	31.70	42.80	0	0	0
2020	0	81,943	31.70	42.80	0	0	0
2021	0	81,943	31.70	42.80	0	0	0
2022	0	81,943	31.70	42.80	0	0	0
2023	0	81,943	31.70	42.80	0	0	0
At The Generator							
2015	0	84,477	34.80	47.00	0	0	0
2016	1	84,477	34.80	47.00	84,477	35	47
2017	0	84,477	34.80	47.00	0	0	0
2018	0	84,477	34.80	47.00	0	0	0
2019	0	84,477	34.80	47.00	0	0	0
2020	0	84,477	34.80	47.00	0	0	0
2021	0	84,477	34.80	47.00	0	0	0

2022	0	81,943	31.70	42.80	0	0	0
2023	0	81,943	31.70	42.80	0	0	0

Table 3-5 Commercial Reflective Roof Current Participation and Expected Future Savings

Year	Number of Customers	Number of Eligible Customers	Annual Program Participants	Cumulative Program Participants	Total Penetration Level		
2015	13,600	13,600	0	0			0.00%
2016	13,600	13,600	17	17			0.13%
2017	13,600	13,600	0	17			0.13%
2018	13,600	13,600	43	60			0.44%
2019	13,600	13,600	11	71			0.44%
2020	7,243	7,243	16	87			1.20%
2021	4,396	4,396	0	87			1.97%
2022	4,467	4,467	0	87			1.94%
2023			0	87			

Year	Actual/ Projected Participants	Reduction Per Installation			Total Annual Reduction		
		kWh	Winter kW	Summer kW	kWh	Winter kW	Summer kW
At The Meter							
2015	0	2,450	0.00	0.91	0	0	0
2016	17	2,450	0.00	0.91	41,650	0	15
2017	0	2,450	0.00	0.91	0	0	0
2018	43	2,450	0.00	0.91	105,350	0	39
2019	11	2,450	0.00	0.91	26,950	0	10.1
2020	16	2,450	0.00	0.91	39,200	0	14.56
2021	0	2,450	0	0.91	0	0	0
2022	0	2,450	0	0.91	0	0	0
2023	0	2,450	0	0.91	0	0	0
At The Generator							
2015	0	2,526	0.00	0.99	0	0	0
2016	17	2,526	0.00	0.99	42,938	0	17
2017	0	2,526	0.00	0.99	0	0	0
2018	43	2,526	0.00	0.99	108,607	0	43
2019	11	2,526	0.00	0.99	27,786	0	10
2020	16	2,526	0.00	0.99	40,416	0	16

2021	0	2,526	0.00	0.99	0	0	0
2022	0	2,526	0.00	0.99	0	0	0
2023	0	2,526	0.00	0.99	0	0	0

Summary of DSM Program Participation

Residential

The Residential Energy Survey program (Table 3-1) experienced a 108% increase in participation from 2022, but these energy savings were offset by a (45%) decrease in participation in the Residential HVAC Program.

Commercial

Tables 3-3 Through 3-5 illustrate activity from FPUC’s three (3) Commercial programs; all three have experienced low participation rates since they began in 2015. Participation in Commercial programs continues to be a struggle, as in 2022 and in 2023.

Totals Goals

FPUC did not meet its targets for total winter peak demand, summer peak demand, and energy reduction across all programs and customer classes. This was primarily attributed to insufficient participation in commercial programs and a decrease in the residential HVAC program.

3.1 PROGRAM COSTS

The per installation cost and total program cost for FPUC for each program for 2023 are presented in Tables 3-6. The total program costs are based on the actual 2023 direct costs to each program sub-ledger, and the Cost Per Installation is the direct cost divided by the number of program participants.

Table 3-6 Program Costs

Program	2023 Per Installation Cost	2023 Total Program Cost
Commercial Chiller	N/A*	\$2,028
Commercial Energy Consultation	\$14.5	\$653
Commercial Heating & Cooling	N/A	(\$4,910)**
Commercial Reflective Roofing	N/A	\$2,463
Residential Energy Survey	\$237.3	\$36,482
Residential Heating & Cooling	\$931.5	\$46,575

*N/A representing zero participation in 2022

**Negative figure due a (\$7,621) Account Credit Journal Entry in August 2023

3.2 NET BENEFITS

The annual net benefits for each program are shown in Table 3-7 based on the 2023 actual program cost (direct + indirect costs) versus avoided costs for electricity generation, transmission, and distribution developed for the 2015 Demand-Side Management Plan. In order to have a single avoided energy and capacity cost for evaluating the cost-effectiveness of the conservation programs, the avoided purchase power costs for each program were weighted and averaged using the Net Energy for Load for the Northeast and Northwest Divisions, respectively.

Table 3-7 Annual Net Benefits

Program	2022 Annual Net Benefits
Commercial Chiller	(\$9,282)
Commercial Heating & Cooling	(\$3,004)
Commercial Reflective Roofing	(\$9,282)
Residential Energy Survey	(34,649)
Residential Heating & Cooling	\$170,489

3.3 OTHER CONSERVATION ACTIVITIES

Since the introduction of the new 2015 DSM plan, FPU has concentrated on providing its customers and contractors with information about its new programs. Due to the relatively small size of FPU's Commercial/Industrial customer base, meeting program goals for these customers has historically been challenging, and this trend persisted in 2023. FPU remains committed to collaborating with industry partners and contractors in its service areas to promote the Commercial Heating and Cooling, Commercial Reflective Roof, and Commercial Chiller programs to its customers. FPU will persist in engaging in educational and advertising initiatives aimed at promoting each program to its target audience. Ultimately, FPUC believes that the ongoing efforts to develop a 2025 DSM program will be crucial in encouraging commercial participation by aiming to offer a diverse range of program options.

Conservation Demonstration & Development (CDD)

FPUC's ongoing CDD project was expected to be completed in 2023, but due to technical complications, the effort will continue through 2024. This CDD effort will examine technologies and systems that increase the electrical efficiency for certain large commercial and industrial customers with specified load types. This study will examine a mechanical control device that reduces energy consumption by balancing and increasing voltage across all supply phases, effectively lowering kW demand and reducing the overall energy consumption of the electric circuit. A final report will be produced following the expected completion of this CDD project.