Report
03/01/2022

21 West Church Street
Jacksonville, Florida 32202-3139

March 01, 2022

Michael Barrett
Economic Supervisor, Conservation
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850
Phone: (850) 413-6544

ELECTRIC

WATER

SEWER

Re: Demand Side Management Plan, 2022 FEECA Annual Report

Dear Mr. Barrett:

Enclosed is JEA's 2022 FEECA annual report on Demand Side Management activities.

The data confirms that JEA has exceeded its FEECA goals for 2021. The attached summary contains the relevant details.

Included with this filing is a replacement for pg. 10 of the previously submitted 2020 filing that corrects the "Actual Annual Number of Program Participants" for our Commercial Prescriptive Lighting Program from 367 to 141. By extension, a corrected pg. 5 annual summary is also submitted.

If you have any questions, please do not hesitate to contact me at (904) 325-0780.

Sincerely,

/s/ Brian Pippin

Brian Pippin
JEA - Strategic Segment Manager

Encl: 2022 FEECA Annual Report

JEA
2022 Demand Side Management (DSM) FEECA Annual Report

Public Service Commission (PSC) Goals

Sections 366.S0 through 366.S5, and 403.519, Florida Statutes (F.S.), are collectively known as the Florida Energy Efficiency and Conservation Act (FEECA). Section 366.82(2), (F.S.), requires the Florida PSC to adopt appropriate goals designed to increase the conservation of expensive resources, such as petroleum fuels, to reduce and control the growth rates of electric consumption and weather-sensitive peak demand.

In accordance with the FEECA sections noted above, JEA's goals were established in DOCKET NO. 20190020, ORDER NO. PSC-2019-0509-FOF-EG, ISSUED November 26, 2019.

DSM Plan 2020 – 2024

Pursuant to Sections 366.81 and 366.82, F.S., Rule 25-17.0021, Florida Administrative Code (F.A.C.), JEA petitioned the Florida PSC to approve the DSM plan filed on February 24, 2020. Subsequently, JEA's plan was approved on June 24, 2020 under docket number: 20200057.

DSM Reporting Requirements

In accordance with Section 366.82 (10), F.S., Rule 25-17.0021(5), F.A.C., each utility shall submit an annual report by March 1 of each year summarizing its DSM plan and the total actual achieved results for its approved DSM plan in the preceding calendar year.

2021 Total Actual Achieved Results

JEA exceeded all the PSC goals as established in the above-mentioned docket.

Additionally, JEA achieved additional savings from for its non-RIM (i.e. not part of FEECA) DSM programs consistent with data filed on form EIA-861 as required by the U.S. Energy Information Administration (EIA). This information has not been finalized for the filing year but will be available on the EIA website when posted. As a not-for-profit, community-owned utility, JEA will continue to review and adjust its investment in demand side programs.

JEA's DSM FEECA Portfolio

JEA's FEECA portfolio consists of three (3) residential and two (2) commercial programs as described below. Achieved kW and kWh reductions are on page 5.

A. Residential FEECA Programs

- **Residential Energy Audit Program** uses auditors to examine homes, educate customers and make recommendations on low-cost or no-cost energy-saving practices and measures.

- **Residential Solar Water Heating** pays a financial incentive to customers to encourage the use of solar water heating technology.

- **Neighborhood Efficiency Program** offers education concerning the efficient use of energy & water as well as the direct installation of an array of energy & water efficient measures at no cost to income-qualified customers.

B. Commercial FEECA Programs

- **Commercial Energy Audit Program** uses auditors to examine businesses, educate customers and make recommendations on low-cost or no-cost energy-saving practices and measures.

- **Commercial Prescriptive Lighting Program** pays a financial incentive to customers to install high efficiency lighting technology.

JEA's DSM Non-RIM Portfolio

JEA's non-RIM portfolio consists of four (4) residential and four (4) commercial programs as described below.

A. Residential Non-RIM Programs

- **Residential Efficiency Upgrade** pays a financial incentive to encourage the use of high efficiency HVAC and adequate attic insulation to drive reduced energy usage.
- **Energy Efficient Products** pays a financial incentive to encourage the use of high efficiency lighting and battery powered lawn equipment.
- **MyWay Prepaid Program** offers an option for all customers, especially those who prefer to prepay for services vs being billed monthly. It is a consumer-focused experience for environmentally conscious consumers who like to keep their consumption in mind.
- **Residential Distributed Generation & Battery Rebate Program** pays a financial incentive to encourage the use of battery storage when purchasing a new solar voltaic system.

B. Commercial Non-RIM Programs

- **Commercial Prescriptive Program** pays a financial incentive to encourage the use of high efficiency HVACR, cooking and water heating products and services.
- **Small Business Direct Install Program** promotes the use high efficiency HVAC, water heating, lighting, and appliances in the small business sector.
- **Custom Commercial Program** promotes the use of custom efficiency measures based on the specific application for each customer.
- **Commercial Distributed Generation & Battery Rebate Program** pays a financial incentive to encourage the use of battery storage when purchasing a new solar voltaic system.

JEA

Comparison of Achieved kW and kWH Reductions
with Annual Target Included in Public Service Commission Approved Goals
Report Period: **2021**

Total

	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**
2020	2.38	0.967	145.7%	3.19	1.080	196%	10.18	2.58	294.8%
2021	2.07	0.967	114.2%	2.62	1.080	143%	6.66	2.58	158.1%
2022		0.967			1.080			2.58	
2023		0.967			1.080			2.58	
2024		0.967			1.080			2.58	

Residential

	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**
2020	1.79	0.960	86.9%	2.00	0.940	113%	3.94	2.50	57.7%
2021	1.83	0.960	91.0%	2.15	0.940	129%	4.20	2.50	68.0%
2022		0.960			0.940			2.50	
2023		0.960			0.940			2.50	
2024		0.960			0.940			2.50	

Commercial/Industrial

	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
Year	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**	Total Achieved	Commission Approved Goal	% Variance**
2020	0.58	0.007	8211%	1.19	0.140	749%	6.2	0.08	7701.9%
2021	0.24	0.007	3295%	0.47	0.140	236%	2.5	0.08	2971.3%
2022		0.007			0.140			0.08	
2023		0.007			0.140			0.08	
2024		0.007			0.140			0.08	

** - Variance calculated based on unrounded values

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Program Name: REA: Residential Energy Audits
Program Start Date: 1978
Reporting Period: **2021**

a	b	c	d	e	f	g	h	I
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % (d/cx100)	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % (g/cx100)	Actual Participation Over (Under) Projected Participants (g-d)
2020	424,939	424,939	5,200	1.2%	13,111	13,111	3.1%	7,911
2021	431,420	431,420	10,400	2.4%	11,405	24,516	5.7%	14,116
2022	437,973	437,973	15,600	3.6%				
2023	444,544	444,544	20,800	4.7%				
2024	450,901	450,901	26,000	5.8%				

Estimated Annual Demand and Energy Savings	Per Installation		Program Total	
	@meter	@generator	@meter	@generator
Summer kW Reduction	0.100	0.104	1,140.5	1,186.1
Winter kW Reduction	0.100	0.104	1,140.5	1,186.1
kWH Reduction	200	208	2,281,000	2,372,240

Utility Cost per Installation	$ 102.80
Total Program Cost of the Utility (Administration and Incentives)	$ 2,520,245
Net Benefits of Measures Installed During Reporting Period	$ (156,676)

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Program Name: RSWH: Residential Solar Water Heating
Program Start Date: 2002
Reporting Period: **2021**

a	b	c	d	e	f	g	h	I
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % (d/cx100)	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % (g/cx100)	Actual Participation Over (Under) Projected Participants (g-d)
2020	424,939	424,939	2	0.000%	0	0	0.0%	(2)
2021	431,420	431,420	4	0.001%	0	0	0.0%	(4)
2022	437,973	437,973	6	0.001%				
2023	444,544	444,544	8	0.002%				
2024	450,901	450,901	10	0.002%				

Estimated Annual Demand and Energy Savings	Per Installation		Program Total	
	@meter	@generator	@meter	@generator
Summer kW Reduction	0.420	0.436	0.0	0.0
Winter kW Reduction	0.475	0.493	0.0	0.0
kWH Reduction	2,322	2,410	0.0	0.0

Utility Cost per Installation	$	1,130
Total Program Cost of the Utility (Administration and Incentives)	$	-
Net Benefits of Measures Installed During Reporting Period	$	-

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Program Name: NEE: Neighborhood Energy Efficiency
Program Start Date: 2008
Reporting Period: **2021**

a	b	c	d	e	f	g	h	I
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % (d/cx100)	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % (g/cx100)	Actual Participation Over (Under) Projected Participants (g-d)
2020	424,939	127,482	1,350	1.1%	1,122	1,122	0.9%	(228)
2021	431,420	129,426	2,700	2.1%	1,687	2,809	2.2%	109
2022	437,973	131,392	4,050	3.1%				
2023	444,544	133,363	5,400	4.0%				
2024	450,901	135,270	6,750	5.0%				

Estimated Annual Demand and Energy Savings	Per Installation		Program Total	
	@meter	@generator	@meter	@generator
Summer kW Reduction	0.55	0.571	927.9	963.3
Winter kW Reduction	0.37	0.384	624.2	647.8
kWH Reduction	1,044	1,084	1,761,228	1,828,708

Utility Cost per Installation	$ 518
Total Program Cost of the Utility (Administration and Incentives)	$ 1,455,343
Net Benefits of Measures Installed During Reporting Period	$ (10,508)

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Program Name: CEA: Commercial Energy Audits
Program Start Date: 1978
Reporting Period: **2021**

a	b	c	d	e	f	g	h	I
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % (d/cx100)	Actual Annual Number of Program Participants	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % (g/cx100)	Actual Participation Over (Under) Projected Participants (g-d)
2020	54,298	54,298	100	0.2%	142	142	0.3%	42
2021	54,932	54,932	200	0.4%	173	315	0.6%	115
2022	55,557	55,557	300	0.5%				
2023	56,173	56,173	400	0.7%				
2024	56,784	56,784	500	0.9%				

Estimated Annual Demand and Energy Savings	Per Installation		Program Total	
	@meter	@generator	@meter	@generator
Summer kW Reduction	0.120	0.125	20.8	21.6
Winter kW Reduction	0.120	0.125	20.8	21.6
kWH Reduction	540	562	93,420	97,226

Utility Cost per Installation	$	221
Total Program Cost of the Utility (Administration and Incentives)	$	69,615
Net Benefits of Measures Installed During Reporting Period	$	186

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Program Name: CPL: Commercial Prescriptive Lighting
Program Start Date: 2009
Reporting Period: **2021**

a	b	c	d	e	f	g	h	I
Year	Total Number of Customers	Total Number of Eligible Customers	Projected Cumulative Number of Program Participants	Projected Cumulative Penetration Level % (d/cx100)	Actual Annual Number of Program Participants **	Actual Cumulative Number of Program Participants	Actual Cumulative Penetration Level % (g/cx100)	Actual Participation Over (Under) Projected Participants (g-d)
2020	54,298	54,298	20	0.04%	141	141	0.26%	121
2021	54,932	54,932	40	0.07%	54	195	0.35%	155
2022	55,557	55,557	60	0.11%				
2023	56,173	56,173	80	0.14%				
2024	56,784	56,784	100	0.18%				

Estimated Annual Demand and Energy Savings	Per Installation		Program Total	
	@meter	@generator	@meter	@generator
Summer kW Reduction	8.0	8.3	432	448.2
Winter kW Reduction	3.9	4.0	210.6	216.0
kWH Reduction	42,100	43,700	2,273,400	2,359,800

Utility Cost per Installation	$	1,900
Total Program Cost of the Utility (Administration and Incentives)	$	370,500
Net Benefits of Measures Installed During Reporting Period	$	(100,743)

** Participant count determined by taking savings values and dividing by the filed, deemed kWh savings per participant