



Gulf Power®

February 28, 2020

Ms. Judy Harlow, Director
Division of Economics
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0868

Dear Ms. Harlow:

Attached is Gulf Power Company's 2019 Annual FEECA Program Progress Report.

Sincerely,

Richard Hume
Regulatory Issues Manager

md

Attachment

cc: Gulf Power Company
Russell Badders, Esq., VP & Associate General Counsel

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Energy Audit and Education
Measure Name: Residential Energy Audit
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G - Column D)</small>
2015	392,015	390,238	8,400	2.15%	2,301	2,301	0.59%	(6,099)
2016	397,625	395,848	16,800	4.24%	6,696	8,997	2.27%	(7,803)
2017	404,186	402,409	25,200	6.26%	12,314	21,311	5.30%	(3,889)
2018	410,463	408,686	33,600	8.22%	15,762	37,073	9.07%	3,473
2019	416,121	414,344	42,000	10.14%	12,581	49,654	11.98%	7,654
2020	421,420	419,643	50,400	12.01%				
2021	425,977	424,200	58,800	13.86%				
2022	429,938	428,161	67,200	15.70%				
2023	433,642	431,865	75,600	17.51%				
2024	436,925	435,148	84,000	19.30%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	-----	-----	-----	-----
Summer kW Reduction	-----	-----	-----	-----
Annual kWh Reduction	-----	-----	-----	-----

	<u>Annual</u>
Utility Cost per Installation:	\$72
Total Program Cost of the Utility (\$000):	\$902
Net Benefits of Measures Installed During Reporting Period:	N/A

Note: The demand and energy savings of this program are not applied toward the established DSM goals.

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Community Energy Saver
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	374,936	130,627	2,500	1.91%	979	979	0.75%	(1,521)
2016	377,336	131,467	5,000	3.80%	2,500	3,479	2.65%	(1,521)
2017	381,544	132,939	7,500	5.64%	2,500	5,979	4.50%	(1,521)
2018	388,378	135,331	10,000	7.39%	3,272	9,251	6.84%	(749)
2019	396,913	138,319	12,500	9.04%	2,499	11,750	8.49%	(750)
2020	405,062	141,171	15,000	10.63%				
2021	416,491	144,121	17,500	12.14%				
2022	421,774	147,020	20,000	13.60%				
2023	430,056	149,919	22,500	15.01%				
2024	438,190	152,766	25,000	16.36%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	0.11	0.14	275	350
Summer kW Reduction	0.05	0.06	125	150
Annual kWh Reduction	769	810	1,921,731	2,024,190

Utility Cost per Installation:	<u>Annual</u> \$282
Total Program Cost of the Utility (\$000):	\$705
Net Benefits of Measures Installed During Reporting Period:	(\$215,818)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Custom Incentive
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	0	0.00%	0	0	0.00%	0
2016	397,625	395,848	0	0.00%	0	0	0.00%	0
2017	404,186	402,409	0	0.00%	0	0	0.00%	0
2018	410,463	408,686	0	0.00%	0	0	0.00%	0
2019	416,121	414,344	0	0.00%	0	0	0.00%	0
2020	421,420	419,643	0	0.00%				
2021	425,977	424,200	0	0.00%				
2022	429,938	428,161	0	0.00%				
2023	433,642	431,865	0	0.00%				
2024	436,925	435,148	0	0.00%				

Annual Demand and Energy Savings

	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	-----	-----	0	0
Summer kW Reduction	-----	-----	0	0
Annual kWh Reduction	-----	-----	0	0

	<u>Annual</u>
Utility Cost per Installation:	N/A
Total Program Cost of the Utility (\$000):	\$55
Net Benefits of Measures Installed During Reporting Period:	N/A No incentives paid

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential HVAC Efficiency Improvement Program
Measure Name: Residential HVAC Maintenance
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	800	0.21%	1,003	1,003	0.26%	203
2016	397,625	395,848	2,000	0.51%	3,742	4,745	1.20%	2,745
2017	404,186	402,409	4,000	0.99%	1,278	6,023	1.50%	2,023
2018	410,463	408,686	7,200	1.76%	1,038	7,061	1.73%	(139)
2019	416,121	414,344	10,600	2.56%	292	7,353	1.77%	(3,247)
2020	421,420	419,643	14,400	3.43%				
2021	425,977	424,200	18,600	4.38%				
2022	429,938	428,161	23,200	5.42%				
2023	433,642	431,865	28,050	6.50%				
2024	436,925	435,148	33,050	7.60%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	0.07	0.08	20	23
Summer kW Reduction	0.24	0.29	70	85
Annual kWh Reduction	607	639	177,244	186,588

	<u>Annual</u>
Utility Cost per Installation:	\$957
Total Program Cost of the Utility (\$000):	\$279
Net Benefits of Measures Installed During Reporting Period:	(\$33,903)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential HVAC Efficiency Improvement Program
Measure Name: Residential HVAC Quality Installation
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	2,000	0.51%	0	0	0.00%	(2,000)
2016	397,625	395,848	4,000	1.01%	567	567	0.14%	(3,433)
2017	404,186	402,409	6,000	1.49%	708	1,275	0.32%	(4,725)
2018	410,463	408,686	8,500	2.08%	608	1,883	0.46%	(6,617)
2019	416,121	414,344	12,000	2.90%	669	2,552	0.62%	(9,448)
2020	421,420	419,643	16,500	3.93%				
2021	425,977	424,200	21,500	5.07%				
2022	429,938	428,161	26,500	6.19%				
2023	433,642	431,865	31,500	7.29%				
2024	436,925	435,148	36,500	8.39%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	0.08	0.10	54	67
Summer kW Reduction	0.18	0.22	120	147
Annual kWh Reduction	451	475	301,719	317,775

	<u>Annual</u>
Utility Cost per Installation:	\$131
Total Program Cost of the Utility (\$000):	\$87
Net Benefits of Measures Installed During Reporting Period:	(\$23,169)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential HVAC Efficiency Improvement Program
Measure Name: Residential Duct Repair
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	500	0.13%	0	0	0.00%	(500)
2016	397,625	395,848	1,000	0.25%	1,471	1,471	0.37%	471
2017	404,186	402,409	1,500	0.37%	478	1,949	0.48%	449
2018	410,463	408,686	2,000	0.49%	209	2,158	0.53%	158
2019	416,121	414,344	3,500	0.84%	83	2,241	0.54%	(1,259)
2020	421,420	419,643	5,500	1.31%				
2021	425,977	424,200	8,000	1.89%				
2022	429,938	428,161	11,000	2.57%				
2023	433,642	431,865	14,500	3.36%				
2024	436,925	435,148	18,500	4.25%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	1.11	1.37	92	114
Summer kW Reduction	0.15	0.18	12	15
Annual kWh Reduction	303	319	25,149	26,477

	<u>Annual</u>
Utility Cost per Installation:	\$1,212
Total Program Cost of the Utility (\$000):	\$101
Net Benefits of Measures Installed During Reporting Period:	\$545

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Building Efficiency Program
Measure Name: Residential High Performance Window
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	250	0.06%	251	251	0.06%	1
2016	397,625	395,848	600	0.15%	266	517	0.13%	(83)
2017	404,186	402,409	1,050	0.26%	295	812	0.20%	(238)
2018	410,463	408,686	1,550	0.38%	776	1,588	0.39%	38
2019	416,121	414,344	2,150	0.52%	714	2,302	0.56%	152
2020	421,420	419,643	2,850	0.68%				
2021	425,977	424,200	3,650	0.86%				
2022	429,938	428,161	4,650	1.09%				
2023	433,642	431,865	5,850	1.35%				
2024	436,925	435,148	7,250	1.67%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	0.24	0.30	171	214
Summer kW Reduction	0.21	0.26	150	186
Annual kWh Reduction	391	412	279,174	294,168

	<u>Annual</u>
Utility Cost per Installation:	\$100
Total Program Cost of the Utility (\$000):	\$71
Net Benefits of Measures Installed During Reporting Period:	(\$3,758)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Building Efficiency Program
Measure Name: Residential Reflective Roof
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	100	0.03%	60	60	0.02%	(40)
2016	397,625	395,848	250	0.06%	310	370	0.09%	120
2017	404,186	402,409	450	0.11%	206	576	0.14%	126
2018	410,463	408,686	700	0.17%	186	762	0.19%	62
2019	416,121	414,344	1,000	0.24%	281	1,043	0.25%	43
2020	421,420	419,643	1,350	0.32%				
2021	425,977	424,200	1,750	0.41%				
2022	429,938	428,161	2,250	0.53%				
2023	433,642	431,865	2,850	0.66%				
2024	436,925	435,148	3,550	0.82%				

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.00	0.00	0	0
Summer kW Reduction	0.41	0.50	115	141
Annual kWh Reduction	1,029	1,084	289,149	304,604

	Annual
Utility Cost per Installation:	\$432
Total Program Cost of the Utility (\$000):	\$121
Net Benefits of Measures Installed During Reporting Period:	(\$31,164)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Building Efficiency Program
Measure Name: Residential Energy Star Window A/C
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	200	0.05%	84	84	0.02%	(116)
2016	397,625	395,848	400	0.10%	20	104	0.03%	(296)
2017	404,186	402,409	600	0.15%	9	113	0.03%	(487)
2018	410,463	408,686	800	0.20%	25	138	0.03%	(662)
2019	416,121	414,344	1,000	0.24%	17	155	0.04%	(845)
2020	421,420	419,643	1,200	0.29%				
2021	425,977	424,200	1,400	0.33%				
2022	429,938	428,161	1,600	0.37%				
2023	433,642	431,865	1,800	0.42%				
2024	436,925	435,148	2,000	0.46%				

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.00	0.00	0.00	0.00
Summer kW Reduction	0.04	0.05	0.68	0.85
Annual kWh Reduction	82	86	1,394.00	1,462.00

Annual
 Utility Cost per Installation: \$89
 Total Program Cost of the Utility (\$000): \$2
 Net Benefits of Measures Installed During Reporting Period: (\$214)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Energy Select (formerly GoodCents Select)
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	392,015	390,238	1,600	0.41%	472	472	0.12%	(1,128)
2016	397,625	395,848	3,200	0.81%	1,473	1,945	0.49%	(1,255)
2017	404,186	402,409	4,800	1.19%	1,439	3,384	0.84%	(1,416)
2018	410,463	408,686	6,400	1.57%	639	4,023	0.98%	(2,377)
2019	416,121	414,344	8,000	1.93%	836	4,859	1.17%	(3,141)
2020	421,420	419,643	9,750	2.32%				
2021	425,977	424,200	11,650	2.75%				
2022	429,938	428,161	13,700	3.20%				
2023	433,642	431,865	15,900	3.68%				
2024	436,925	435,148	18,250	4.19%				

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	1.07	1.32	895	1,104
Summer kW Reduction	1.80	2.22	1,505	1,856
Annual kWh Reduction	735	774	614,460	647,064

	Annual
Utility Cost per New Installation:	\$978
New participant Program Cost of the Utility (\$000):	\$818
Net Benefits of Measures Installed During Reporting Period:	(\$55,473)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial/Industrial Energy Audit
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	55,525	47,673	500	1.05%	125	125	0.26%	(375)
2016	55,992	48,140	1,000	2.08%	342	467	0.97%	(533)
2017	56,539	48,687	1,500	3.08%	222	689	1.42%	(811)
2018	57,062	49,210	2,000	4.06%	308	997	2.03%	(1,003)
2019	57,534	49,682	2,500	5.03%	169	1,166	2.35%	(1,334)
2020	57,975	50,123	3,000	5.99%				
2021	58,355	50,203	3,500	6.97%				
2022	58,683	50,831	4,000	7.87%				
2023	58,992	51,140	4,500	8.80%				
2024	59,264	51,412	5,000	9.73%				

Annual Demand and Energy Savings

	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	-----	-----	-----	-----
Summer kW Reduction	-----	-----	-----	-----
Annual kWh Reduction	-----	-----	-----	-----

Annual

Utility Cost per Installation: \$2,794
 Total Program Cost of the Utility (\$000): \$472
 Net Benefits of Measures Installed During Reporting Period: N/A

Note: The demand and energy savings of this program are not applied toward the established DSM goals.

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial HVAC Retrocommissioning
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	55,525	47,673	250	0.52%	6	6	0.01%	(244)
2016	55,992	48,140	500	1.04%	41	47	0.10%	(453)
2017	56,539	48,687	750	1.54%	214	261	0.54%	(489)
2018	57,062	49,210	1,000	2.03%	78	339	0.69%	(661)
2019	57,534	49,682	1,250	2.52%	7	346	0.70%	(904)
2020	57,975	50,123	1,500	2.99%				
2021	58,355	50,203	1,775	3.54%				
2022	58,683	50,831	2,100	4.13%				
2023	58,992	51,140	2,450	4.79%				
2024	59,264	51,412	2,825	5.49%				

Annual Demand and Energy Savings	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	0.00	0.00	0	0
Summer kW Reduction	0.30	0.37	2	3
Annual kWh Reduction	965	1,016	6,755	7,112

	<u>Annual</u>
Utility Cost per Installation:	\$18,853
Total Program Cost of the Utility (\$000):	\$132
Net Benefits of Measures Installed During Reporting Period:	(\$11,315)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial Building Efficiency Program
Measure Name: Commercial Geothermal Heat Pump Program
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers (From Cons. Plan)	Total Number of Eligible Customers (From Cons. Plan)	Projected Cumulative Number of Program Participants* (From Cons. Plan)	Projected Cumulative Penetration Level % (D/C X 100)	Actual Annual Number of Program Participants* (Actual Participants)	Actual Cumulative Number of Program Participants* (Actual Participants Plan-To-Date)	Actual Cumulative Penetration Level % (G/C X 100)	Actual Participation Over (Under) Projected Participants* (Column G-Column D)
2015	55,525	47,673	120	N/A	37	37	N/A	(83)
2016	55,992	48,140	245	N/A	50	87	N/A	(158)
2017	56,539	48,687	375	N/A	0	87	N/A	(288)
2018	57,062	49,210	515	N/A	0	87	N/A	(428)
2019	57,534	49,682	665	N/A	71	158	N/A	(507)
2020	57,975	50,123	865	N/A				
2021	58,355	50,203	1,075	N/A				
2022	58,683	50,831	1,300	N/A				
2023	58,992	51,140	1,530	N/A				
2024	59,264	51,412	1,765	N/A				

*Tons of Geothermal HVAC installed

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.27	0.33	19	23
Summer kW Reduction	0.29	0.36	21	26
Annual kWh Reduction	685	721	48,635	51,191

	Annual
Utility Cost per Installation:	\$766
Total Program Cost of the Utility (\$000):	\$54
Net Benefits of Measures Installed During Reporting Period:	(\$4,824)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial Building Efficiency Program
Measure Name: Commercial Ceiling/Roof Insulation Program
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers (From Cons. Plan)	Total Number of Eligible Customers (From Cons. Plan)	Projected Cumulative Number of Program Participants* (From Cons. Plan)	Projected Cumulative Penetration Level % (D/C X 100)	Actual Annual Number of Program Participants* (Actual Participants)	Actual Cumulative Number of Program Participants* (Actual Participants Plan-To-Date)	Actual Cumulative Penetration Level % (G/C X 100)	Actual Participation Over (Under) Projected Participants* (Column G-Column D)
2015	55,525	47,673	225,000	N/A	20,555	20,555	N/A	(204,445)
2016	55,992	48,140	475,000	N/A	20,806	41,361	N/A	(433,639)
2017	56,539	48,687	750,000	N/A	19,744	61,105	N/A	(688,895)
2018	57,062	49,210	1,050,000	N/A	76,533	137,638	N/A	(912,362)
2019	57,534	49,682	1,450,000	N/A	29,765	167,403	N/A	(1,282,597)
2020	57,975	50,123	1,850,000	N/A				
2021	58,355	50,203	2,300,000	N/A				
2022	58,683	50,831	2,800,000	N/A				
2023	58,992	51,140	3,350,000	N/A				
2024	59,264	51,412	3,950,000	N/A				

*Square feet of insulation installed

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.00012	0.00015	4	4
Summer kW Reduction	0.00046	0.00057	14	17
Annual kWh Reduction	0.748	0.80	22,264	23,812

Annual
 Utility Cost per Installation: \$1
 Total Program Cost of the Utility (\$000): \$23
 Net Benefits of Measures Installed During Reporting Period: (\$2,299)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial Building Efficiency Program
Measure Name: Commercial Reflective Roof
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers (From Cons. Plan)	Total Number of Eligible Customers (From Cons. Plan)	Projected Cumulative Number of Program Participants* (From Cons. Plan)	Projected Cumulative Penetration Level % (D/C X 100)	Actual Annual Number of Program Participants* (Actual Participants)	Actual Cumulative Number of Program Participants* (Actual Participants Plan-To-Date)	Actual Cumulative Penetration Level % (G/C X 100)	Actual Participation Over (Under) Projected Participants* (Column G-Column D)
2015	55,525	47,673	800,000	N/A	59,300	59,300	N/A	(740,700)
2016	55,992	48,140	1,600,000	N/A	269,196	328,496	N/A	(1,271,504)
2017	56,539	48,687	2,400,000	N/A	33,202	361,698	N/A	(2,038,302)
2018	57,062	49,210	3,200,000	N/A	234,300	595,998	N/A	(2,604,002)
2019	57,534	49,682	4,000,000	N/A	555,308	1,151,306	N/A	(2,848,694)
2020	57,975	50,123	4,850,000	N/A				
2021	58,355	50,203	5,750,000	N/A				
2022	58,683	50,831	6,700,000	N/A				
2023	58,992	51,140	7,700,000	N/A				
2024	59,264	51,412	8,750,000	N/A				

*Square feet of reflective roof installed

Annual Demand and Energy Savings	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.00	0.00	0	0
Summer kW Reduction	0.00067	0.0008	372	444
Annual kWh Reduction	1.72	1.81	955,130	1,005,107

Annual
 Utility Cost per Installation: \$0
 Total Program Cost of the Utility (\$000): \$118
 Net Benefits of Measures Installed During Reporting Period: (\$61,702)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Commercial/Industrial Custom Incentive
Program Start Date: September, 2015
Reporting Period: Annual 2019

A	B	C	D	E	F	G	H	I
Year	Total Number of Customers <small>(From Cons. Plan)</small>	Total Number of Eligible Customers <small>(From Cons. Plan)</small>	Projected Cumulative Number of Program Participants <small>(From Cons. Plan)</small>	Projected Cumulative Penetration Level % <small>(D/C X 100)</small>	Actual Annual Number of Program Participants <small>(Actual Participants)</small>	Actual Cumulative Number of Program Participants <small>(Actual Participants Plan-To-Date)</small>	Actual Cumulative Penetration Level % <small>(G/C X 100)</small>	Actual Participation Over (Under) Projected Participants <small>(Column G-Column D)</small>
2015	55,525	47,673	...	0.00%	0	0	0.00%	0
2016	55,992	48,140	...	0.00%	0	0	0.00%	0
2017	56,539	48,687	...	0.00%	0	0	0.00%	0
2018	57,062	49,210	...	0.00%	0	0	0.00%	0
2019	57,534	49,682	...	0.00%	0	0	0.00%	0
2020	57,975	50,123	...	0.00%				
2021	58,355	50,203	...	0.00%				
2022	58,683	50,831	...	0.00%				
2023	58,992	51,140	...	0.00%				
2024	59,264	51,412	...	0.00%				

Annual Demand and Energy Savings

	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Winter kW Reduction	-----	-----	0	0
Summer kW Reduction	-----	-----	0	0
Annual kWh Reduction	-----	-----	0	0

	<u>Annual</u>
Utility Cost per Installation:	N/A
Total Program Cost of the Utility (\$000):	\$31
Net Benefits of Measures Installed During Reporting Period:	N/A

GULF POWER COMPANY
2018 DSM Progress Report
Savings at the Meter
2015 DSM PLAN

		A	B	C	D	E	F	G	H	I	J
		Total	Per Unit	Per Unit	Per Unit	Total	Total	Total	Cumulative	Cumulative	Cumulative
Residential Programs	Measures	Units	Win. kW	Sum. kW	kWh	Win. MW	Sum. MW	GWh	Win. MW	Sum. MW	GWh
Community Energy Saver	Residential Community Energy Saver	2,499	0.11	0.05	769	0.27	0.12	1.92	1.30	0.59	9.03
Custom Incentive	Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Efficiency Improvement	Residential HVAC Maintenance	292	0.07	0.24	607	0.02	0.07	0.18	0.51	1.77	4.47
HVAC Efficiency Improvement	Residential HVAC Quality Installation	669	0.08	0.18	451	0.05	0.12	0.30	0.21	0.46	1.15
HVAC Efficiency Improvement	Residential Duct Repair	83	1.11	0.15	303	0.09	0.01	0.03	2.48	0.33	0.68
Building Efficiency	Residential High Performance Window	714	0.24	0.21	391	0.17	0.15	0.28	0.55	0.48	0.90
Building Efficiency	Residential Reflective Roof	281	0.00	0.41	1,029	0.00	0.12	0.29	0.00	0.43	1.07
Energy Select	Energy Select	836	1.07	1.80	735	0.89	1.50	0.61	5.20	8.74	3.57
Building Efficiency	Residential Energy Star Window A/C	17	0.00	0.04	82	0.00	0.00	0.00	0.00	0.00	0.01
	Total Residential Applicable To Goal					1.49	2.09	3.61	10.25	12.80	20.88
Residential Energy Audit and Education	Residential Energy Audit	12,581	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Residential					1.49	2.09	3.61	10.25	12.80	20.88
Commercial and Industrial Programs	Measures										
Commercial HVAC Retrocommissioning	Commercial HVAC Retrocommissioning	7	0.00	0.30	965	0.00	0.00	0.01	0.00	0.09	0.35
Commercial Building Efficiency	Commercial Geothermal Heat Pump	71	0.27	0.29	685	0.02	0.02	0.05	0.04	0.04	0.11
Commercial Building Efficiency	Commercial Ceiling/Roof Insulation	29,765	0.00	0.00	1	0.00	0.01	0.02	0.01	0.08	0.13
Commercial Building Efficiency	Commercial Reflective Roof	555,308	0.00	0.00	2	0.00	0.37	0.96	0.00	0.77	1.98
Commercial/Industrial Custom Incentive	Commercial/Industrial Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
	Total Commercial/Industrial Applicable to Goal					0.02	0.40	1.04	0.05	0.98	2.57
Commercial/Industrial Energy Analysis	Commercial/Industrial Energy Audit	169	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Commercial/Industrial					0.02	0.40	1.04	0.05	0.98	2.57

Column A: Actual achieved for the reporting year.
Column B: As filed in the Conservation Plan Filing
Column C: As filed in the Conservation Plan Filing
Column D: As filed in the Conservation Plan Filing
Column E: (Column A) X (Column B)
Column F: (Column A) X (Column C)
Column G: (Column A) X (Column D)
Column H: Annual Results plus any/all previous Annual Results for this conservation plan.
Column I: Annual Results plus any/all previous Annual Results for this conservation plan.
Column J: Annual Results plus any/all previous Annual Results for this conservation plan.

GULF POWER COMPANY
2018 DSM Progress Report
Savings at the Generator
2015 DSM PLAN

		A	B	C	D	E	F	G	H	I	J
	<u>Measures</u>	<u>Total</u> <u>Units</u>	<u>Per Unit</u> <u>Win. kW</u>	<u>Per Unit</u> <u>Sum. kW</u>	<u>Per Unit</u> <u>kWh</u>	<u>Total</u> <u>Win. MW</u>	<u>Total</u> <u>Sum. MW</u>	<u>Total</u> <u>GWh</u>	<u>Cumulative</u> <u>Win. MW</u>	<u>Cumulative</u> <u>Sum. MW</u>	<u>Cumulative</u> <u>GWh</u>
Residential Programs											
Community Energy Saver	Residential Community Energy Saver	2,499	0.14	0.06	810	0.35	0.15	2.02	1.19	0.51	6.87
Custom Incentive	Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Efficiency Improvement	Residential HVAC Maintenance	292	0.08	0.29	639	0.02	0.08	0.19	0.50	1.83	4.04
HVAC Efficiency Improvement	Residential HVAC Quality Installation	669	0.10	0.22	475	0.07	0.15	0.32	0.20	0.43	0.93
HVAC Efficiency Improvement	Residential Duct Repair	83	1.37	0.18	319	0.11	0.01	0.03	2.78	0.36	0.65
Building Efficiency	Residential High Performance Window	714	0.30	0.26	412	0.21	0.19	0.29	0.46	0.41	0.62
Building Efficiency	Residential Reflective Roof	281	0.00	0.50	1,084	0.00	0.14	0.30	0.00	0.43	0.93
Energy Select	Energy Select	836	1.32	2.22	774	1.10	1.86	0.65	5.56	9.37	3.27
Building Efficiency	Residential Energy Star Window A/C	17	0.00	0.05	86	0.00	0.00	0.00	0.00	0.00	0.01
	Total Residential Applicable To Goal					1.86	2.58	3.80	10.69	13.34	17.32
Residential Energy Audit and Education	Residential Energy Audit	12,581	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Residential					1.86	2.58	3.80	10.69	13.34	17.32
Commercial and Industrial Programs											
Commercial HVAC Retrocommissioning	Commercial HVAC Retrocommissioning	7	0.00	0.37	1,016	0.00	0.00	0.01	0.00	0.10	0.28
Commercial Building Efficiency	Commercial Geothermal Heat Pump	71	0.33	0.36	721	0.02	0.03	0.05	0.05	0.06	0.12
Commercial Building Efficiency	Commercial Ceiling/Roof Insulation	29,765	0.00	0.00	1	0.00	0.02	0.02	0.00	0.05	0.08
Commercial Building Efficiency	Commercial Reflective Roof	555,308	0.00	0.00	2	0.00	0.44	1.01	0.00	0.74	1.67
Commercial/Industrial Custom Incentive	Commercial/Industrial Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
	Total Commercial/Industrial Applicable to Goal					0.02	0.49	1.09	0.05	0.95	2.15
Commercial/Industrial Energy Analysis	Commercial/Industrial Energy Audit	169	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Commercial/Industrial					0.02	0.49	1.09	0.05	0.95	2.15

Column A: Actual achieved for the reporting year.
Column B: As filed in the Conservation Plan Filing
Column C: As filed in the Conservation Plan Filing
Column D: As filed in the Conservation Plan Filing
Column E: (Column A) X (Column B)
Column F: (Column A) X (Column C)
Column G: (Column A) X (Column D)
Column H: Annual Results plus any/all previous Annual Results for this conservation plan.
Column I: Annual Results plus any/all previous Annual Results for this conservation plan.
Column J: Annual Results plus any/all previous Annual Results for this conservation plan.

**Comparison of Achieved kW and kWh Reductions
With Public Service Commission Established Goals for 2015-2024
at the Generator**

Utility: GULF POWER COMPANY

	Residential								
	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
	Total	Com. Appr.	%	Total	Com. Appr.	%	Total	Com. Appr.	%
	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>
2015	12.69	1.3	876%	12.97	2.3	464%	34.98	2.3	1421%
2016	4.75	1.8	164%	5.12	3.2	60%	6.75	3.2	111%
2017	3.16	2.3	37%	4.14	4.1	1%	4.79	4.2	14%
2018	1.96	2.9	-32%	2.38	5.0	-52%	4.68	5.1	-8%
2019	1.86	3.4	-45%	2.58	5.9	-56%	3.80	6.0	-37%
2020		3.8			6.7			6.8	
2021		4.3			7.5			7.6	
2022		4.6			8.1			8.3	
2023		5.0			8.8			8.9	
2024		5.3			9.3			9.5	

	Commercial/Industrial								
	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
	Total	Com. Appr.	%	Total	Com. Appr.	%	Total	Com. Appr.	%
	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>
2015	4.24	0.1	4140%	6.38	0.3	2027%	13.77	0.8	1621%
2016	0.02	0.1	-80%	0.27	0.4	-33%	0.59	1.2	-51%
2017	0.00	0.1	-100%	0.12	0.5	-76%	0.30	1.5	-80%
2018	0.01	0.2	-95%	0.26	0.6	-57%	0.56	1.8	-69%
2019	0.02	0.2	-90%	0.49	0.7	-30%	1.09	2.2	-50%
2020		0.2			0.8			2.5	
2021		0.2			0.9			2.7	
2022		0.3			0.9			3.0	
2023		0.3			1.0			3.2	
2024		0.3			1.1			3.4	

	Total Company								
	Winter Peak MW Reduction			Summer Peak MW Reduction			GWh Energy Reduction		
	Total	Com. Appr.	%	Total	Com. Appr.	%	Total	Com. Appr.	%
	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>	<u>Achieved</u>	<u>Goal</u>	<u>Variance</u>
2015	16.93	1.4	1109%	19.35	2.6	644%	48.75	3.1	1473%
2016	4.77	1.9	151%	5.39	3.6	50%	7.34	4.4	67%
2017	3.16	2.4	32%	4.26	4.6	-7%	5.09	5.7	-11%
2018	1.97	3.1	-36%	2.64	5.6	-53%	5.24	6.9	-24%
2019	1.88	3.6	-48%	3.07	6.6	-53%	4.89	8.2	-40%
2020		4.0			7.5			9.3	
2021		4.5			8.4			10.3	
2022		4.9			9.0			11.3	
2023		5.3			9.8			12.1	
2024		5.6			10.4			12.9	

Efficiency Programs Variance > 15%

Program Name	Projected Participation	Actual Participation	Explanation
Residential Energy Audit and Education	8,400	12,581	Higher than expected participation in the Company's on-line audit offering, Energy Checkup, is the primary reason for the variance in this program. Promotion of the on-line energy check-up throughout the year generated over 10,000 on-line completions.
Residential HVAC	8,400	1,044	Contractor participation in this program decreased significantly since 2015 due to lower incentive levels available to customers. The Quality Installation measures and maintenance measures have been most impacted by this situation. In an effort to counter lower participation, Gulf's program vendor, Proctor Engineering, has canvassed HVAC contractors throughout Northwest Florida to engage additional qualified technicians for this program.
Energy Select	1,600	836	Customer response to program promotion was lower than anticipated. Impacts of Hurricane Michael also significantly impacted new customer enrollments.
Commercial/Industrial Audits	500	169	Lower customer interest in this program is the primary reason for the variance. Gulf does publish a monthly email newsletter containing efficiency tips and information about the Company's programs as another way of reaching customers.
HVAC Retro-Commissioning	250	7	Similar to the Residential HVAC Program, contractor participation in this program has decreased significantly since 2015 due to lower incentive levels available to customers. Their program vendor, Proctor engineering, continues to educate local HVAC contractors about the program in an effort to increase participation.
Commercial Building Efficiency	1,200,000 sqft	585,073 sqft	Ceiling Insulation and Reflective Roof participation was significantly lower than projected due to lower customer and contractor interest. Feedback from customers indicate low incentive levels are the primary obstacle to increased participation.
	150 tons	71 tons	Participation in the geothermal heat pump measure increased slightly in 2019, with installations representing 71 tons of geothermal heat pump heating and cooling out of a goal of 150 tons. Commercial field representatives cite a less than anticipated contractor interest in the program due to the high cost of these installations and relatively low incentive offered.