



Gulf Power®

March 1, 2019

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 2018 Annual FEECA Program Progress Report.

Sincerely,

C. Shane Boyett
Regulatory Issues Manager

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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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	-----	-----	-----	-----
Summer kW Reduction	-----	-----	-----	-----
Annual kWh Reduction	-----	-----	-----	-----

Annual
 Utility Cost per Installation: \$103
 Total Program Cost of the Utility (\$000): \$1,623
 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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.11	0.14	360	458
Summer kW Reduction	0.05	0.06	164	196
Annual kWh Reduction	769	810	2,516,168	2,650,320

	Annual
Utility Cost per Installation:	\$310
Total Program Cost of the Utility (\$000):	\$1,015
Net Benefits of Measures Installed During Reporting Period:	(\$264,587)

DSM PROGRAM PROGRESS REPORT (2015 DSM PLAN)

Utility: Gulf Power Company
Program Name: Residential Custom Incentive
Program Start Date: September, 2015
Reporting Period: Annual 2018

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%				
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%				

	<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):	\$60
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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.07	0.08	73	83
Summer kW Reduction	0.24	0.29	249	301
Annual kWh Reduction	607	639	630,066	663,282

Annual
 Utility Cost per Installation: \$500
 Total Program Cost of the Utility (\$000): \$519
 Net Benefits of Measures Installed During Reporting Period: (\$77,605)

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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.08	0.10	49	61
Summer kW Reduction	0.18	0.22	109	134
Annual kWh Reduction	451	475	274,208	288,800

Annual
 Utility Cost per Installation: \$108
 Total Program Cost of the Utility (\$000): \$66
 Net Benefits of Measures Installed During Reporting Period: (\$17,485)

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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	1.11	1.37	232	286
Summer kW Reduction	0.15	0.18	31	38
Annual kWh Reduction	303	319	63,327	66,671

	Annual
Utility Cost per Installation:	\$812
Total Program Cost of the Utility (\$000):	\$170
Net Benefits of Measures Installed During Reporting Period:	\$6,016

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 2018

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%				
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	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Winter kW Reduction	0.24	0.30	186	233
Summer kW Reduction	0.21	0.26	163	202
Annual kWh Reduction	391	412	303,416	319,712

Annual
 Utility Cost per Installation: \$132
 Total Program Cost of the Utility (\$000): \$102
 Net Benefits of Measures Installed During Reporting Period: (\$4,999)

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 2018

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%				
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%				

	<u>Per Installation</u>		<u>Program Total</u>	
	<u>@ Meter</u>	<u>@ Generator</u>	<u>@ Meter</u>	<u>@ Generator</u>
Annual Demand and Energy Savings				
Winter kW Reduction	0.00	0.00	0	0
Summer kW Reduction	0.41	0.50	76	93
Annual kWh Reduction	1,029	1,084	191,394	201,624

Annual

Utility Cost per Installation: \$862
 Total Program Cost of the Utility (\$000): \$160
 Net Benefits of Measures Installed During Reporting Period: (\$25,946)

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 2018

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%				
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	0.36	1.25
Annual kWh Reduction	82	86	2,050	2,150

Utility Cost per Installation: \$113
Total Program Cost of the Utility (\$000): \$3
Net Benefits of Measures Installed During Reporting Period: (\$359)

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 2018

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%				
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	684	843
Summer kW Reduction	1.80	2.22	1,150	1,419
Annual kWh Reduction	735	774	469,665	494,586

	Annual
Utility Cost per Installation:	\$1,871
New participant Program Cost of the Utility (\$000):	\$1,196
Net Benefits of Measures Installed During Reporting Period:	(\$83,904)

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 2018

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%				
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	-----	-----	-----	-----

	<u>Annual</u>
Utility Cost per Installation:	\$2,189
Total Program Cost of the Utility (\$000):	\$674
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 2018

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%				
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	23	29
Annual kWh Reduction	965	1,016	75,270	79,248

Annual
 Utility Cost per Installation: \$2,062
 Total Program Cost of the Utility (\$000): \$161
 Net Benefits of Measures Installed During Reporting Period: (\$18,355)

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 2018

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	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				
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

	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Annual Demand and Energy Savings				
Winter kW Reduction	0.27	0.33	0	0
Summer kW Reduction	0.29	0.36	0	0
Annual kWh Reduction	685	721	0	0

	Annual
Utility Cost per Installation:	N/A
Total Program Cost of the Utility (\$000):	\$182
Net Benefits of Measures Installed During Reporting Period:	N/A

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 2018

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	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				
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

	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Annual Demand and Energy Savings				
Winter kW Reduction	0.00012	0.00015	9	11
Summer kW Reduction	0.00046	0.00057	35	44
Annual kWh Reduction	0.748	0.80	57,247	61,226

	Annual
Utility Cost per Installation:	\$1
Total Program Cost of the Utility (\$000):	\$42
Net Benefits of Measures Installed During Reporting Period:	(\$5,634)

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 2018

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	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				
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

	Per Installation		Program Total	
	@ Meter	@ Generator	@ Meter	@ Generator
Annual Demand and Energy Savings				
Winter kW Reduction	0.00	0.00	0	0
Summer kW Reduction	0.00067	0.0008	157	187
Annual kWh Reduction	1.72	1.81	402,996	424,083

Utility Cost per Installation: \$1
Total Program Cost of the Utility (\$000): \$156
Net Benefits of Measures Installed During Reporting Period: (\$36,123)

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 2018

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%				
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):	\$49
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
	Units	Win. kW	Sum. kW	kWh	Win. MW	Sum. MW	GWh	Win. MW	Sum. MW	GWh
Residential Programs										
Community Energy Saver	3,272	0.11	0.05	769	0.36	0.16	2.52	1.03	0.47	7.11
Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Efficiency Improvement	1,038	0.07	0.24	607	0.07	0.25	0.63	0.49	1.70	4.29
HVAC Efficiency Improvement	608	0.08	0.18	451	0.05	0.11	0.27	0.16	0.34	0.85
HVAC Efficiency Improvement	209	1.11	0.15	303	0.23	0.03	0.06	2.39	0.32	0.65
Building Efficiency	776	0.24	0.21	391	0.19	0.16	0.30	0.38	0.33	0.62
Building Efficiency	186	0.00	0.41	1,029	0.00	0.08	0.19	0.00	0.31	0.78
Energy Select	639	1.07	1.80	735	0.68	1.15	0.47	4.31	7.24	2.96
Building Efficiency	25	0.00	0.04	82	0.00	0.00	0.00	0.00	0.00	0.01
			Total Residential Applicable To Goal		1.58	1.94	4.44	8.76	10.71	17.27
Residential Energy Audit and Education	15,762	-----	-----	-----	-----	-----	-----	-----	-----	-----
			Total Residential		1.58	1.94	4.44	8.76	10.71	17.27
Commercial and Industrial Programs										
Commercial HVAC Retrocommissioning	78	0.00	0.30	965	0.00	0.02	0.08	0.00	0.09	0.34
Commercial Building Efficiency	0	0.27	0.29	685	0.00	0.00	0.00	0.02	0.02	0.06
Commercial Building Efficiency	76,533	0.00	0.00	1	0.01	0.04	0.06	0.01	0.07	0.11
Commercial Building Efficiency	234,300	0.00	0.00	2	0.00	0.16	0.40	0.00	0.40	1.02
Commercial/Industrial Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
			Total Commercial/Industrial Applicable to Goal		0.01	0.22	0.54	0.03	0.58	1.53
Commercial/Industrial Energy Analysis	308	-----	-----	-----	-----	-----	-----	-----	-----	-----
			Total Commercial/Industrial		0.01	0.22	0.54	0.03	0.58	1.53

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
		Total	Per Unit	Per Unit	Per Unit	Total	Total	Total	Cumulative	Cumulative	Cumulative
	<u>Measures</u>	<u>Units</u>	<u>Win. kW</u>	<u>Sum. kW</u>	<u>kWh</u>	<u>Win. MW</u>	<u>Sum. MW</u>	<u>GWh</u>	<u>Win. MW</u>	<u>Sum. MW</u>	<u>GWh</u>
Residential Programs											
Community Energy Saver	Residential Community Energy Saver	3,272	0.14	0.06	810	0.46	0.20	2.65	1.30	0.56	7.50
Custom Incentive	Custom Incentive	0	-----	-----	-----	0.00	0.00	0.00	0.00	0.00	0.00
HVAC Efficiency Improvement	Residential HVAC Maintenance	1,038	0.08	0.29	639	0.08	0.30	0.66	0.56	2.05	4.51
HVAC Efficiency Improvement	Residential HVAC Quality Installation	608	0.10	0.22	475	0.06	0.13	0.29	0.19	0.41	0.90
HVAC Efficiency Improvement	Residential Duct Repair	209	1.37	0.18	319	0.29	0.04	0.07	2.96	0.39	0.69
Building Efficiency	Residential High Performance Window	776	0.30	0.26	412	0.23	0.20	0.32	0.48	0.42	0.65
Building Efficiency	Residential Reflective Roof	186	0.00	0.50	1,084	0.00	0.09	0.20	0.00	0.38	0.83
Energy Select	Energy Select	639	1.32	2.22	774	0.84	1.42	0.49	5.30	8.93	3.11
Building Efficiency	Residential Energy Star Window A/C	25	0.00	0.05	86	0.00	0.00	0.00	0.00	0.00	0.01
	Total Residential Applicable To Goal					1.96	2.38	4.68	10.79	13.14	18.20
Residential Energy Audit and Education	Residential Energy Audit	15,762	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Residential					1.96	2.38	4.68	10.79	13.14	18.20
Commercial and Industrial Programs											
Commercial HVAC Retrocommissioning	Commercial HVAC Retrocommissioning	78	0.00	0.37	1,016	0.00	0.03	0.08	0.00	0.13	0.35
Commercial Building Efficiency	Commercial Geothermal Heat Pump	0	0.33	0.36	721	0.00	0.00	0.00	0.03	0.03	0.07
Commercial Building Efficiency	Commercial Ceiling/Roof Insulation	76,533	0.00	0.00	1	0.01	0.04	0.06	0.01	0.07	0.12
Commercial Building Efficiency	Commercial Reflective Roof	234,300	0.00	0.00	2	0.00	0.19	0.42	0.00	0.49	1.08
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					0.01	0.26	0.56	0.04	0.72	1.62
Commercial/Industrial Energy Analysis	Commercial/Industrial Energy Audit	308	-----	-----	-----	-----	-----	-----	-----	-----	-----
	Total Commercial/Industrial					0.01	0.26	0.56	0.04	0.72	1.62

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								
	<u>Winter Peak MW Reduction</u>			<u>Summer Peak MW Reduction</u>			<u>GWh Energy Reduction</u>		
	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>
	<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		3.4			5.9			6.0	
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								
	<u>Winter Peak MW Reduction</u>			<u>Summer Peak MW Reduction</u>			<u>GWh Energy Reduction</u>		
	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>
	<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		0.2			0.7			2.2	
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								
	<u>Winter Peak MW Reduction</u>			<u>Summer Peak MW Reduction</u>			<u>GWh Energy Reduction</u>		
	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>	<u>Total</u>	<u>Com. Appr.</u>	<u>%</u>
	<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		3.6			6.6			8.2	
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	15,762	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 11,000 on-line audit completions.
Community Energy Saver	2,500	3,272	The geographic areas targeted for the program in 2018 produced more actual participants than initially projected for the year. Once a geographic area for the program is established, the Company's program vendor endeavors to maximize the eligible customer participation.
Residential HVAC Efficiency	6,200	1,855	Contractor participation in this program has 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	639	Customer response to the company's direct mail promotion decreased significantly in 2018. Impacts of Hurricane Michael in the fall of 2018 also significantly impacted new customer enrollments in the Panama City area. In addition, many customers are opting to purchase their own smart thermostats, further impacting the market potential.
Commercial/Industrial Audits	500	308	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 these customers.
HVAC Retro-Commissioning	250	78	Similar to the Residential HVAC Program, contractor participation in this program has decreased significantly since 2015 due to lower incentive levels available to customers. The program vendor, Proctor Engineering, continues to educate local HVAC contractors about the program in an effort to increase participation.
Commercial Building Efficiency	1,100,000 sqft	310,833 sqft	Ceiling Insulation and Reflective Roof participation was significantly lower than projected due to lower customer and contractor interest. Feedback from customers indicates low incentive levels are the primary obstacle to increased participation. Gulf recorded no geothermal installations in 2018. 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.