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March 9, 2015

Ms. Carlotta Stauffer, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee FL 32399-0850

Re: Docket No. 150035-EI – Petition for approval of energy purchase agreements between Gulf Power Company and Gulf Coast Solar Center I, LLC, Gulf Coast Solar Center II, LLC, and Gulf Coast Solar Center III, LLC

Dear Ms. Stauffer:

Enclosed is Gulf Power Company's revised response to Commission Staff's First Data Request (Nos. 11-13) in the above-referenced docket.

Sincerely,

Robert L. McGee, Jr
Regulatory and Pricing Manager

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Enclosures

cc: Beggs & Lane
Jeffrey A. Stone, Esq.
Office of General Counsel
Lee Eng Tan
Division of Engineering
Robert Graves
Division of Economics
William McNulty
Division of Accounting & Finance
Bart Fletcher

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11. At page 11, Gulf states that the agreements are expected to cost-effectively meet a variety of statutory and policy-based goals and objectives including reducing dependence on fossil-fueled generation. Please complete the table below assuming approval of all three agreements. Please provide this information in MS Excel format.

Year	Avoided Natural Gas (MMBtu)	Avoided Oil (Barrels)
2016		
2017		
2018		
2019		
2020		
2021		
2022		
2023		
2024		
2025		
2026		
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2041		
2042		
2043		

RESPONSE:

Year	Avoided Natural Gas (MMBtu)	Avoided Coal (Tons)
2016	N/A	N/A
2017	2,252,229	25,498
2018	2,189,830	23,651
2019	2,158,637	17,163
2020	2,125,704	17,405
2021	2,151,715	15,716
2022	2,158,251	15,581
2023	2,171,151	17,677
2024	2,236,994	14,906
2025	2,231,541	15,189
2026	2,246,242	17,029
2027	2,285,001	18,481
2028	2,175,441	3,232
2029	2,143,911	3,731
2030	2,147,324	3,059
2031	2,120,905	3,564
2032	2,109,446	4,081
2033	2,105,929	3,483
2034	2,115,683	3,637
2035	2,118,899	5,543
2036	2,118,411	5,438
2037	2,127,779	9,245
2038	2,138,642	12,251
2039	2,173,834	16,188
2040	2,188,683	19,280
2041	2,190,773	16,368
2042		0
2043		0

*Heading changed. See note on page 3.

Staff's First Data Request
Docket No. 150035-EI
GULF POWER COMPANY
Revised March 10, 2015
Item No. 11
Page 3 of 3

Electronic attachments are located on the enclosed DVD labeled Docket No. 150035-EI Staff's First Data Request Revised response (Nos 11-13) Disk 2. Please see Excel file named "Staff's 1st DR Nos 11-13 Revised 3-10-15.xlsx".

Note: The addition of coal in tons and removal of oil is due to Gulf's generation makeup. The solar generation energy will displace the highest cost fuel generation which is coal. Oil is only used for start-up, flame stabilization and if natural gas is interrupted at the Central Alabama generating facility in extreme cases. Natural gas generation will not be displaced due to its lower cost and position in economic dispatch.

12. At page 11, Gulf states that the agreements are expected to cost-effectively meet a variety of statutory and policy-based goals and objectives including reducing environmental impacts. Please complete the table below assuming approval of all three agreements. Please provide this information in MS Excel format.

Year	Avoided CO2 (Tons)	Avoided NOX and SO2 (Tons)
2016		
2017		
2018		
2019		
2020		
2021		
2022		
2023		
2024		
2025		
2026		
2027		
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2043		

RESPONSE:

Year	Avoided CO2 (Tons)	Avoided NOX and SO2 (Tons)
2016	N/A	N/A
2017	157,559	121
2018	152,040	117
2019	143,649	98
2020	141,967	98
2021	141,780	96
2022	142,026	93
2023	144,901	101
2024	145,949	96
2025	145,917	94
2026	148,638	103
2027	152,375	110
2028	130,535	56
2029	129,195	57
2030	128,714	62
2031	127,680	61
2032	127,533	62
2033	126,722	59
2034	127,448	60
2035	129,565	67
2036	129,430	65
2037	133,831	76
2038	137,509	84
2039	143,551	98
2040	147,550	108
2041	144,725	101
2042		
2043		

Staff's First Data Request
Docket No. 150035-EI
GULF POWER COMPANY
Revised March 10, 2015
Item No. 12
Page 3 of 3

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13. At page 11, Gulf states that the agreements are expected to cost-effectively meet a variety of statutory and policy-based goals and objectives including providing fuel diversity. Please complete the table below assuming approval of all three agreements.

Energy Generation by Fuel Type (%)					
	Natural Gas	Oil	Coal	Renewable	Other
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					

RESPONSE:

Energy Generation by Fuel Type (%)					
	Natural Gas	Oil	Coal	Renewable	Other
2013	59.99%	0.00%	38.04%	0.44%	1.53%
2014	51.90%	0.01%	46.76%	0.41%	0.92%
2015	64.68%	0.00%	33.36%	0.24%	1.72%
2016	64.35%	0.00%	33.56%	0.37%	1.72%
2017	59.29%	0.00%	37.28%	1.83%	1.60%
2018	56.45%	0.00%	40.12%	1.81%	1.62%
2019	53.46%	0.00%	43.11%	1.79%	1.64%
2020	49.38%	0.00%	47.27%	1.73%	1.62%

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Petition for approval of energy purchase**)
agreements between Gulf Power Company)
and Gulf Coast Solar Center I, LLC,)
Gulf Coast Solar Center II, LLC, and)
Gulf Coast Solar Center III, LLC)

Docket No.: **150035-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by overnight mail this 9th day of March, 2015 to the following:

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