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February 10, 2011

John T. Butler, Esq.  
 Florida Power & Light Company  
 700 Universe Boulevard  
 Juno Beach, Florida 33408-0420

STAFF'S DATA REQUEST NO. 1

Re: Ten-Year Site Plan - Data Request Regarding Planned Solar Power Plants

Dear Mr. Butler:

By this letter, the Commission staff requests that Florida Power and Light Company provide responses to the following data requests.

- Please complete the table below describing the costs of any planned solar plants.

Solar Project	Projected Total Capitol Cost (\$Millions)	Overnight Construction Costs (\$/kw)	Total Installed Costs (\$/kw)	Variable O&M (\$/MWH)

- Please complete the table below describing the costs for a typical combustion turbine.

	Projected Total Capitol Cost (\$Millions)	Overnight Construction Costs (\$/kw)	Total Installed Costs (\$/kw)	Variable O&M (\$/MWH)
CT				

- Please complete the table below describing the typical performance characteristics of any planned solar plants.

Solar Project	MWH/Year	Summer Capacity Factor (% on-peak)	Winter Capacity Factor (% on-peak)	Average Capacity Factor

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4. Please complete the table below describing the typical performance characteristics of a typical combustion turbine.

	MWH/Year	Summer Capacity Factor (% on-peak)	Winter Capacity Factor (% on-peak)	Average Capacity Factor
CT				

5. Please complete the table below describing the timeline of each planned solar plant.

Solar Project	Construction Start Date	Commercial In-Service Date	Technology Type	Capacity

6. Please provide the levelized cost (in \$/kwh) for various capacity factors for any planned solar plants and for a typical combustion turbine. Please provide the raw data and a chart depicting this information. Please include assumptions used to develop values.

7. Please complete the table below describing the typical summer hourly energy production of each planned solar plant.

Time of Day	(MW)	Time of Day	(MW)
12:00 AM		12:00 PM	
1:00 AM		1:00 PM	
2:00 AM		2:00 PM	
3:00 AM		3:00 PM	
4:00 AM		4:00 PM	
5:00 AM		5:00 PM	
6:00 AM		6:00 PM	
7:00 AM		7:00 PM	
8:00 AM		8:00 PM	
9:00 AM		9:00 PM	
10:00 AM		10:00 PM	
11:00 AM		11:00 PM	

8. Please complete the table below describing the typical winter hourly energy production of each planned solar plant.

<b>Time of Day</b>	<b>(MW)</b>	<b>Time of Day</b>	<b>(MW)</b>
<b>12:00 AM</b>		<b>12:00 PM</b>	
<b>1:00 AM</b>		<b>1:00 PM</b>	
<b>2:00 AM</b>		<b>2:00 PM</b>	
<b>3:00 AM</b>		<b>3:00 PM</b>	
<b>4:00 AM</b>		<b>4:00 PM</b>	
<b>5:00 AM</b>		<b>5:00 PM</b>	
<b>6:00 AM</b>		<b>6:00 PM</b>	
<b>7:00 AM</b>		<b>7:00 PM</b>	
<b>8:00 AM</b>		<b>8:00 PM</b>	
<b>9:00 AM</b>		<b>9:00 PM</b>	
<b>10:00 AM</b>		<b>10:00 PM</b>	
<b>11:00 AM</b>		<b>11:00 PM</b>	



11. Please complete the table below describing the avoided emissions and avoided fossil fuel usage for each planned solar plant.

Year	Avoided Natural Gas with Solar Project (MMBtu)	Avoided Oil with Solar Project (Barrels)	Avoided CO2 with Solar Project (Tons)	Avoided NOX and SO2 with Solar Project (Tons)
2009				
2010				
2011				
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2015				
2016				
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12: Please complete the table below describing the CPVRR of each planned solar plant.

Year	Annual Total Revenue Requirements (\$millions, Nominal \$) with Solar Project	Annual Total Revenue Requirements (\$millions, Nominal \$) without Solar Project	Differential in Annual Total Revenue Requirements (\$millions, Nominal \$)	Differential in Customer Bill of 1,000 kwh (\$)	Differential in Customer Bill of 1,200 kwh (\$)
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					
2022					
2023					
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14. Please complete the table below for each planned solar plant.

	Solar Project		Total (\$)	Impact on Customer Bill of 1,200 kwh (\$)
	Capital Revenue Requirements (\$)	Fixed O&M and Capital Replacement Costs (\$)		
2008				
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				
2019				
2020				
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16. Please complete the table below describing the avoided emissions and avoided fossil fuel usage for all planned solar plants.

Year	Avoided Natural Gas with Solar Projects (MMBtu)	Avoided Oil with Solar Projects (Barrels)	Avoided CO2 with Solar Projects (Tons)	Avoided NOX and SO2 with Solar Projects (Tons)
2009				
2010				
2011				
2012				
2013				
2014				
2015				
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2040				

17. Please complete the table below describing the CPVRR of all planned solar plants.

Year	Annual Total Revenue Requirements (\$millions, Nominal \$) with Solar Projects	Annual Total Revenue Requirements (\$millions, Nominal \$) without Solar Projects	Differential in Annual Total Revenue Requirements (\$millions, Nominal \$)	Differential in Customer Bill of 1,000 kwh (\$)	Differential in Customer Bill of 1,200 kwh (\$)
2008					
2009					
2010					
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					
2022					
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19. Please complete the table below for all planned solar plants.

	Solar Projects			Impact on Customer Bill of 1,200 kwh (\$)
	Capital Revenue Requirements (\$)	Fixed O&M and Capital Replacement Costs (\$)	Total (\$)	
2008				
2009				
2010				
2011				
2012				
2013				
2014				
2015				
2016				
2017				
2018				
2019				
2020				
2021				
2022				
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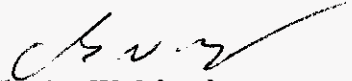
John T. Butler, Esq.

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Please file the original and five copies of the requested information by Wednesday, March 2, 2011, with Ms. Ann Cole, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6191 if you have any questions.

Sincerely,



Charles W. Murphy  
Senior Attorney  
Office of the General Counsel

CWM/sh

cc: Office of Commission Clerk

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