

COMMISSIONERS:  
 ART GRAHAM, CHAIRMAN  
 LISA POLAK EDGAR  
 RONALD A. BRISÉ  
 EDUARDO E. BALBIS  
 JULIE I. BROWN

STATE OF FLORIDA



GENERAL COUNSEL  
 S. CURTIS KISER  
 (850) 413-6199

RECEIVED-FPSC  
 11 SEP 19 PM 3: 06

COMMISSION  
 CLERK

Public Service Commission

September 19, 2011

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

STAFF'S DATA REQUEST NO. 5

**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.

At the September 7, 2011, Ten Year Site Plan Workshop, Dr. Sim indicated that there have been significant improvements in the cost and efficiency of photo-voltaics. On Slide 8 of Dr. Sim's Presentation he indicates that FPL has done extensive planning and performed initial permitting and due diligence for a number of additional large-scale PV projects totaling approximately 500 MW.

1. Please list the potential sites of the potential additional projects referenced on Slide 8.
2. Please complete the table below describing the costs of the potential additional projects referenced on Slide 8.

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

DOCUMENT NUMBER - DATE

06714 SEP 19 =

FPSC-COMMISSION CLERK

3. Please complete the table below describing the expected performance characteristics of the potential additional projects referenced on Slide 8.

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

4. Based on the “significant cost and efficiency improvements” described by Dr. Sim, please provide an estimated levelized cost (in \$/kwh) for various capacity factors for a typical solar project. Please provide the raw data and a chart depicting this information. Please include all assumptions used to develop values.



6. For each additional solar project referenced on Slide 8, please complete the table below describing the CPVRR.

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 (\$)
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					
2022					
2023					
2024					
2025					
2026					
2027					
2028					
2029					
2030					
2031					
2032					
2033					
2034					
2035					
2036					
2037					
2038					
2039					
2040					
2041					
2042					
2043					

7. For all potential additional projects referenced on Slide 8, please complete the table below describing the CPVRR.

Year	Annual Total Revenue Requirements (\$millions, Nominal \$) with All 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 (\$)
2011					
2012					
2013					
2014					
2015					
2016					
2017					
2018					
2019					
2020					
2021					
2022					
2023					
2024					
2025					
2026					
2027					
2028					
2029					
2030					
2031					
2032					
2033					
2034					
2035					
2036					
2037					
2038					
2039					
2040					
2041					
2042					
2043					

Mr. John T. Butler, Esq.

Page 6

September 19, 2011

Please file the original and five copies of the requested information by Tuesday, October 4, 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: Kenneth A. Hoffman, VP – Regulatory Relations, FPL  
Division of Regulatory Analysis (Traci Matthews)  
Office of Commission Clerk