



Florida Power & Light Company, 215 S. Monroe St., Suite 810, Tallahassee, FL 32301

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October 3, 2007

**VIA HAND DELIVERY**

Ms. Ann Cole  
Division of the Commission Clerk and  
Administrative Services  
Florida Public Service Commission  
Betty Easley Conference Center  
2540 Shumard Oak Boulevard, Room 110  
Tallahassee, FL 32399-0850

COMMISSION  
CLERK

07 OCT -3 PM 12:48

RECEIVED-FPSC

Re: Errata Sheet to Prefiled Direct Testimony and Exhibits  
Docket No. 070602-EI  
Florida Power & Light Company's Petition to Determine Need for Expansion  
of Electrical Power Plants and for Exemption from Rule 25-22.082, F.A.C.

Dear Ms. Cole:

Enclosed for filing are the original and 15 copies of the Errata Sheet to the prefiled direct testimony and exhibits of Steven R. Sim, filed in the above referenced docket. Along with the Errata Sheet are four attachments, consisting of the revised exhibits.

A computation of carrying costs for 2013 was inadvertently included in the total carrying cost calculation. In addition, an annual capital escalation factor was misapplied to certain years in the computation. The revisions submitted reflect the subtraction of those costs from the total, resulting in a decrease in the cumulative present value revenue requirements of the proposed projects.

- CMP \_\_\_\_\_
- COM 5
- CTR 1
- ECR 2
- GCL \_\_\_\_\_
- OPC \_\_\_\_\_
- RCA \_\_\_\_\_
- SCR \_\_\_\_\_
- SGA \_\_\_\_\_
- SEC \_\_\_\_\_
- OTH \_\_\_\_\_

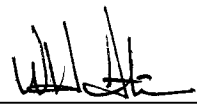
Please contact me if you or your Staff has any questions related to this filing.

Sincerely,  
  
Jessica Cano

**CERTIFICATE OF SERVICE**

**I HEREBY CERTIFY** that a true and correct copy of Florida Power & Light Company's Errata Sheet to the Direct Testimony of Steven R. Sim has been furnished by hand this 3rd day of October, 2007, to the following:

Katherine Fleming, Esquire  
Jennifer Brubaker, Esquire  
Florida Public Service Commission  
Division of Legal Services  
Gerald L. Gunter Building  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

By:   
\_\_\_\_\_  
Jessica Cano  
Florida Bar No. 0037372

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Florida Power & Light Company's )  
 Petition to Determine Need for Expansion )  
 of Electrical Power Plants and for )  
Exemption from Rule 25-22.082, F.A.C. )

Docket No. 070602-EI

Dated: October 3, 2007

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 07 OCT -3 PM 12:19  
 COMMISSION  
 CLERK

**ERRATA SHEET**

**DIRECT TESTIMONY OF STEVEN R. SIM**

<u>Page #</u>	<u>Line #</u>	<u>Correction</u>
7	10	Change "\$122" to "\$222"
7	11	Change "\$863" to "\$963"
7	22	Change "\$59.8 million to \$76.4 million" to "\$57.6 million to \$73.3 million"
8	1	Change "\$0.21 to \$1.79" to "a reduction of \$0.47 to an increase of \$1.79"
43	11	Change "\$612" to "\$712"
47	14	Change "\$122 million CPVRR to \$863" to "\$222 million CPVRR to \$963"
49	12	Change "\$59.8 million" to "\$57.6 million"
49	13	Change "\$76.4 million" to "\$73.3 million"
49	14	Change "\$61.8 million" to "\$59.3 million"
49	15	Change "\$72.9 million" to "\$70.7 million"
50	21	Change "\$0.34" to "\$0.33", and change "\$1.60" to "\$1.56"
50	22	Change "\$0.21" to "(\$0.47); a reduction,"
56	22	Change "\$122 million to \$863" to "\$222 million to \$963"

**EXHIBITS TO DIRECT TESTIMONY OF STEVEN R. SIM**

<u>Exhibit #</u>	<u>Line #</u>	<u>Correction</u>
SRS-6	all	Replace with SRS-6, Revised
SRS-7	all	Replace with SRS-7, Revised
SRS-8	all	Replace with SRS-8, Revised
SRS-9	all	Replace with SRS-9, Revised
SRS-10	all	Replace with SRS-10, Revised

DOCUMENT NUMBER-DATE

09084 OCT-30

FPSC-COMMISSION CLERK

**Economic Analysis Results for One Fuel and  
 Environmental Compliance Cost Scenario:**  
 (millions, CPVRR, 2007\$, 2007 - 2043)

**Fuel Cost Forecast =** **High Gas Cost**  
**Environmental Compliance Cost Forecast =** **Env I**

(1)                      (2)                      (3)                      (4)  
 = (1) + (2)

Resource Plan -----	System Costs			Difference from Lowest Cost Plan -----
	Fixed Costs *	Variable Costs **	Total Costs	
Plan with Nuclear Uprates	18,954	165,108	184,062	0
Plan without Nuclear Uprates	17,959	166,815	184,774	712

\* System fixed costs include: capital, capacity payments, fixed O&M, capital replacement, and firm gas transportation.

\*\* System variable costs include: variable O&M, plant fuel, FPL system fuel, and environmental compliance costs.

**Economic Analysis Results: Total Costs and Total Cost Differentials  
 for All Fuel and Environmental Compliance Cost Scenarios**  
 (millions, CPVRR, 2007\$, 2007 - 2043)

(1)	(2)	(3)	(4)	(5) = (3) - (4)
Fuel Cost Forecast -----	Environmental Compliance Cost Forecast -----	Total Costs for Plans -----		Total Cost Difference Plan with Nuclear Uprates minus Plan without Nuclear Uprates -----
		Plan with Nuclear Uprates -----	Plan without Nuclear Uprates -----	
High Gas Cost	Env I	184,062	184,774	(712)
High Gas Cost	Env II	192,873	193,705	(832)
High Gas Cost	Env III	199,602	200,486	(884)
High Gas Cost	Env IV	206,560	207,523	(963)
Medium Gas Cost	Env I	142,190	142,412	(222)
Medium Gas Cost	Env II	150,916	151,259	(343)
Medium Gas Cost	Env III	157,572	157,961	(388)
Medium Gas Cost	Env IV	164,403	164,865	(462)
Low Gas Cost	Env I	108,711	108,498	214

Note: A negative value in Column (5) indicates that the Plan with Nuclear Uprates is less expensive than the Plan without Nuclear Uprates. Conversely, a positive value in Column 5 indicates that the Plan with Nuclear Uprates is more expensive than the Plan without Nuclear Uprates.

**Economic Analysis Results: Matrix of Total Cost Differentials  
 for All Fuel and Environmental Compliance Cost Scenarios**

**Plan with Nuclear Uprates - Plan without Nuclear Uprates**

**Total Cost Differentials**  
 (millions, CPVRR, 2007\$, 2007 - 2043)

**Fuel Cost Forecasts**

		High Gas Cost	Medium Gas Cost	Low Gas Cost
<b>Environmental Compliance Cost Forecast</b>	Env I	(712)	(222)	214
	Env II	(832)	(343)	
	Env III	(884)	(388)	
	Env IV	(963)	(462)	

Notes: A negative value indicates that the Plan with Nuclear Uprates is less expensive than the Plan without Nuclear Uprates. Conversely, a positive value indicates that the Plan with Nuclear Uprates is more expensive than the Plan without Nuclear Uprates.

## Economic Analysis Results: Projection of Nuclear Uprates Non-Fuel Costs for the First 12 Months of Operation

### 1) Assumptions: All cost values are for the full year and are in Nominal \$, millions

Unit:	St. Lucie 1	Turkey Point 3	St. Lucie 2	Turkey Point 4
Uprate In-Service Month/Year:	12/2011	5/2012	6/2012	12/2012
Number of 1st 12 Months in 2nd Year:	11	4	5	11
Year:				
2011	4.9	---	---	---
2012	57.5	48.8	35.1	6.0
2013	---	73.4	58.2	70.5

### 2) Total Non-Fuel Costs for the First 12 Months of Operation (Nominal \$, millions)

Year:				
2011	4.9	---	---	---
2012	52.7	48.8	35.1	6.0
2013	---	24.5	24.2	64.6
Total Non-Fuel Costs for the First 12 Months of Operation =	57.6	73.3	59.3	70.7

- Notes:
- 1) The only non-fuel costs associated with the nuclear uprates are capital costs. Consequently, the values shown above are all capital costs.
  - 2) For purposes of this calculation, the uprated units are assumed to go in-service on the first day of the month shown.
  - 3) All cost projections are dependent upon the assumptions used in the calculations assuming in-service dates, annual costs incurred, etc. and are subject to change as assumptions change.
  - 4) The transmission costs associated with the uprates at the Turkey Point and St. Lucie sites are assumed for purposes of this calculation to be assigned 100% to the uprate at that site with the earliest in-service date.

**Economic Analysis Results: Projection of Approximate Bill Impacts  
with Nuclear Uprates 2009 - 2013**

**Scenario: High Gas Cost Env I**

	(1)	(2)	(3) = (1)-(2)	(4)	(5) = ((3)x1,000,000x100) / ((4)x1,000,000)	(6) = ((5)x1,000) / 100
	Plan with Nuclear Uprates Annual Total Revenue Requirements (\$millions, Nominal \$)	Plan without Nuclear Uprates Annual Total Revenue Requirements (\$millions, Nominal \$)	Differential in Annual Total Revenue Requirements (\$millions, Nominal \$)	Projected Total Sales After DSM (GWh at the meter)	Differential in System Average Electric Rates (cents/kwh)	Differential in Customer Bill of 1,000 kwh (\$)
Year	-----	-----	-----	-----	-----	-----
2009	8,326	8,287	39	116,870	\$0.03	\$0.33
2010	8,680	8,464	216	120,715	\$0.18	\$1.79
2011	8,507	8,292	215	124,562	\$0.17	\$1.73
2012	8,396	8,196	200	128,243	\$0.16	\$1.56
2013	8,784	8,846	-62	131,170	-\$0.05	-\$0.47

Notes: (1) This projection assumes instantaneous adjustment to electric rates and is for illustrative purposes only.  
(2) The values presented in Columns (1), (2), and (3) are total system revenue requirements and include all costs: capital, system fuel (including the cost of the extended outages in the Plan with Nuclear Uprates), etc.