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Sent: Wednesday, October 02, 2013 4:24 PM
To: Filings@psc.state.fl.us
Subject: Electronic Filing / Dkt 130198-EI / FPL's Supplemental Responses to Staff's Second Data Requests Nos. 7 and 9F
Attachments: 130198-EI - FPL's Supplemental Responses to Staff's 2nd DRs Nos. 7 & 9(f....pdf

Electronic Filing

a. Person responsible for this electronic filing:

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b. Docket No. 130198 - EI
In RE: FPL's Petition for Prudence Determination Regarding New Pipeline System

c. The Document is being filed on behalf of Florida Power & Light Company.

d. There are a total of 5 pages.

e. The document attached for electronic filing is Florida Power & Light Company's Supplemental Responses to Staff's Second Data Requests Nos. 7 and 9F.

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October 2, 2013

-VIA HAND DELIVERY -

Ms. Ann Cole
Division of the Commission Clerk and
Administrative Services
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

**Re: Docket No. 130198-EI - FPL's Petition for Prudence Determination Regarding New Pipeline System
Supplemental Responses to Staff's Data Requests Nos. 7 and 9F**

Dear Ms. Cole:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") are its supplemental responses to Staff's Data Requests Nos. 7 and 9F. By agreement with Staff counsel, these supplemental responses have been provided electronically to Staff in lieu of filing five copies with your office.

If you should have any questions, please do not hesitate to contact me at (561) 304-5639.

Sincerely,

/s/ John T. Butler
John T. Butler

Enclosures
cc: Lee Eng Tan, Senior Attorney, w/encls.

QUESTION

FPL's response to Staff's First Data Request No. 41 indicates that FPL did not use the risk-adjusted load forecast in its Florida EnergySecure Line. What type of load forecast was used for the Florida EnergySecure Line? Please elaborate.

RESPONSE

The load forecast used for the Florida EnergySecure Line was a p50 or base case forecast. This is the first time FPL has built contingencies into its gas transportation forecasting. The recent growth in gas usage and FPL's significant dependence on gas as a primary fuel dictate a measure of conservatism is employed in procuring gas transportation as we go forward. The normal natural gas forecasting process tends to underestimate the actual amount of natural gas consumed by FPL on an annual basis. As an example, over the 3 year period 2010-2012, FPL consumed an average of about 114 million cubic feet per day more than was originally forecasted in the respective Fuel Cost Recovery Clause filings for those years utilizing the base case forecast. In 2013, this number is forecasted to be almost 140 million cubic feet per day. This type of variability is why it is appropriate to use a more conservative, risk-adjusted forecast.

QUESTION

Please supplement the table that FPL prepared in response to Staff's Second Data Request, Question 9(f) to include the requested information for the years 2013-2016 (the table presently begins with the year 2017).

RESPONSE

The updated Peak Day Natural Gas Usage data provided in FPL's response to Staff's Second Data Request No. 9(f), now including data for 2014 to 2016, is based on the schedule of incremental gas transportation assumed for each case (i.e. 400 MMCF/day in 2017, 200 MMCF/day in 2020 and additional amounts in the later years). In its production cost simulation modeling, FPL assumes that the generating units can only burn gas to the extent it can be delivered using contracted firm gas transportation, so the peak gas use in the cases is limited to the total amount of such capacity available in any given year. The production cost simulations used in FPL's analysis start in 2014. Thus, FPL does not have data available for 2013.

FPL is also providing an Excel document in electronic format with a set of peak day usage data for the cases which assume there is an unlimited supply of gas available to the FPL system. As a result, in some years, the Peak Day Natural Gas Usage in these cases is higher than the values shown in Table 9(f). These figures represent the amount of gas that FPL's system could use to operate its system optimally if there were no constraints on gas transportation. The unlimited gas analysis shown in this table was performed through 2030. Data on unlimited gas requirements are not currently available beyond 2030.

Table 9(f)
Peak Day Natural Gas Usage (1000 MCF/day)

Year	Base Case	Risk Adjusted Case	Risk Adjusted Nuclear Delay	Energy Secure Base Case	Energy Secure Nuclear Delay
2014	1,982	1,982	1,982	1,916	1,916
2015	1,974	1,983	1,983	1,953	1,953
2016	1,930	1,931	1,931	2,165	2,165
2017	2,179	2,318	2,318	2,225	2,225
2018	2,226	2,320	2,320	2,134	2,311
2019	2,232	2,318	2,318	2,200	2,374
2020	2,262	2,492	2,492	2,132	2,475
2021	2,259	2,511	2,511	2,221	2,560
2022	2,143	2,426	2,514	2,280	2,455
2023	2,066	2,337	2,518	2,350	2,524
2024	2,067	2,374	2,681	2,398	2,397
2025	2,150	2,478	2,707	2,487	2,506
2026	2,232	2,502	2,707	2,612	
2027	2,285	2,507	2,632	2,674	
2028	2,336	2,668	2,668	2,725	
2029	2,390	2,706	2,706	2,771	
2030	2,438	2,695	2,695	2,818	
2031	2,486	2,836	2,836	2,876	
2032	2,678	3,040	3,040	3,049	
2033	2,850	3,211	3,211	3,196	
2034	2,891	3,266	3,266	3,105	
2035	2,927	3,318	3,318	3,152	
2036	3,128	3,518	3,518	3,324	
2037	3,173	3,570	3,570	3,408	
2038	3,220	3,624	3,624	3,433	
2039	3,297	3,670	3,670	3,485	
2040	3,316	3,670	3,670	3,536	
2041	3,406	3,674	3,674		
2042	3,456	3,674	3,674		
2043	3,628	3,674	3,674		
2044	3,658	3,670	3,670		
2045	3,649	3,666	3,666		
2046	3,776	4,198	4,198		
2047	3,824	4,262	4,262		
2048	3,874	4,332	4,332		
2049	3,938	4,386	4,386		
2050	4,026	4,468	4,468		
2051	4,068	4,562	4,562		
2052	4,142	4,593	4,593		
2053	4,194	4,637	4,637		
2054	4,253	4,718	4,718		
2055	4,297	4,784	4,784		
2056	4,333	4,863	4,863		
2057	4,389	4,920	4,920		

Note that in EnergySecure Line scenarios, the original in-service dates for TP 6&7 in the Base Case were 2018 and 2019 respectively.

Table 9(f)- Supplemental

Peak Day Natural Gas Usage (1000 MCF/day)

Unlimited Gas

Year	Unlimited Gas		
	Base Load Forecast Case	Risk Adjusted Load Forecast Case	Risk Adjusted Load Forecast - Nuclear Delay
2014	2,012	2,095	2,095
2015	2,104	2,171	2,171
2016	2,102	2,250	2,250
2017	2,179	2,365	2,365
2018	2,226	2,387	2,387
2019	2,232	2,458	2,458
2020	2,262	2,492	2,492
2021	2,259	2,511	2,511
2022	2,143	2,426	2,594
2023	2,066	2,337	2,630
2024	2,067	2,374	2,681
2025	2,150	2,478	2,806
2026	2,232	2,554	2,729
2027	2,285	2,615	2,632
2028	2,336	2,668	2,668
2029	2,390	2,726	2,726
2030	2,438	2,782	2,782