



Scott A. Goorland
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5633
(561) 691-7135 (Facsimile)
scott.goorland@fpl.com

June 25, 2014

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

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COMMISSION
CLERK

Re: Docket No. 140082-EI – *Petition for Change to Pole Inspection & Load Assessment Requirements*
FPL’s Response to Staff’s Second Data Request

Dear Ms. Stauffer:

Enclosed for filing on behalf of Florida Power & Light Company (“FPL”) are the original and five copies of FPL’s responses to Staff’s Second Data Request dated June 11, 2014, relating to FPL’s Petition for Change to Pole Inspection & Land Assessment Requirements.

If you have any questions regarding this filing, please do not hesitate to contact me at (561) 304-5633 or scott.goorland@fpl.com. Thank you for your assistance.

Respectfully submitted,

Scott A. Goorland
Principal Attorney

- COM _____
- AFD 1 Attachment
- APA _____
- ECO _____
- ENG 3
- GCL 1
- IDM _____
- TEL _____
- CLK _____

Florida Power & Light Company
Docket No. 140082-EI
Staff's Second Data Request
Data Request No. 1

Q.

Paragraph 15 on Page 6 of the Petition indicates that FPL projects an incremental savings of approximately \$1.0 million annually, or \$8.1 million over the eight-year cycle, as a result of this deviation from its pole inspection excavation requirements. Please state what FPL's savings would be annually and over the eight-year cycle, if FPL would not be required to excavate for inspections of CCA poles that are less than 26, 27, 29, and 30 years of age?

A.

<u>Years</u>	<u>Annual Incremental Savings (Millions)</u>	<u>8-Year Cycle Savings (Millions)</u>	<u>1st Cycle Failure Rate</u>
<26	\$0.8	\$6.5	0.07%
<27	\$0.9	\$7.2	0.07%
<u><28</u> (FPL's request)	<u>\$1.0</u>	<u>\$8.1</u>	<u>0.08%*</u>
<29	\$1.1	\$9.0	0.09%
<30	\$1.2	\$9.9	0.10%

*FPL notes that the failure rate for CCA poles < 16 years old was 0.08%, when the FPSC approved FPL's initial excavation exemption request in 2008.

Florida Power & Light Company
Docket No. 140082-EI
Staff's Second Data Request
Data Request No. 2

Q.

Paragraph 19 on Page 7 of the Petition indicates that FPL projects an incremental savings of approximately \$528,000 annually or approximately \$4.2 million over the full second eight-year pole inspection cycle for this load assessment test exemption. Please state what FPL's savings would be annually and over the full second eight-year cycle, if FPL would not be required to inspect poles with a load assessment result from the first eight-year cycle of less than 65, 70, 75, 85, 90 and 95 percent of full loading?

A.

<u>% Full Load</u>	<u>Annual Incremental Savings (Millions)</u>	<u>8-Year Cycle Savings (Millions)</u>	<u># Failures FPL Sample*</u>	<u>2nd Cycle Failure Probability**</u>
<65	\$0.4	\$3.2	0	0.00%
<70	\$0.5	\$3.6	0	0.00%
<75	\$0.5	\$3.9	0	0.00%
<u><80 (FPL's request)</u>	<u>\$0.5</u>	<u>\$4.2</u>	<u>0</u>	<u>0.07%</u>
<85	\$0.6	\$4.5	1	0.22%
<90	\$0.6	\$4.6	3	0.69%
<95	\$0.6	\$4.8	3	1.52%

* Per Exhibit B of FPL's April 18, 2014 petition

** Per Monte Carlo simulations

Florida Power & Light Company
Docket No. 140082-EI
Staff's Second Data Request
Data Request No. 3

Q.

FPL's response to Question 5c of staff's first data request indicates that FPL utilized a Monte Carlo simulation and determined the probability of a pole that tested below 80 percent of full load during the first eight-year cycle failing a load assessment test in the second eight-year cycle is 0.07 percent. Using the Monte Carlo simulation, what is the probability of a pole that tested below 65, 70, 85, 90, and 95 percent of full load during the first eight-cycle failing a load assessment test in the second eight-year cycle?

A.

See FPL's response to Staff 2nd Data Request, Question 2.