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February 17, 2016

-VIA ELECTRONIC DELIVERY -

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

Re: Docket No. 150263-EI

Dear Ms. Stauffer:

Please find enclosed for filing in the above docket Florida Power & Light Company's ("FPL") second errata sheet sponsored by FPL witness Francisco Prieto, which includes one correction to the confidential information on Page 11 of Exhibit A of FPL's Petition.

If there are any questions regarding this filing, please contact me at 561-304-5662.

Sincerely,

s/ William P. Cox
William P. Cox
Senior Attorney
Florida Bar No. 0093531

WPC/msw
Enclosure

cc: Lee Eng Tan, Esq. (via email)

**BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition for determination of)
 Need for Duval-Raven 230 kV)
 transmission line in Baker, Columbia)
 Duval, and Nassau Counties, by)
Florida Power & Light Company)

DOCKET NO. 150263-EI
 FILED: February 17, 2016

SECOND ERRATA SHEET OF FRANCISCO PRIETO

January 11, 2016 – Exhibit A to FPL’s Petition

<u>PAGE #</u>	<u>LINE #</u>	<u>CORRECTION</u>
8 of 20	“Estimated Total Project Cost”	Change “79.9” to “82.0”
11 of 20	20	Change [REDACTED] to [REDACTED]
16 of 20	4	Change “95.1” to “96.3”
Attachment 9*	“Minimize Price (Present value of Revenue requirements)”	Change “\$77,900,000” to “82,000,000”
Attachment 9*	“Minimize Price (Present value of Revenue requirements)”	Change “\$90,500,000” to “96,300,000”
Appendix A, Table of Contents	All	Change “Winter 2019/20” to “Winter 2018/19”
Appendix B, Table of Contents	All	Change “Winter 2019/20” to “Winter 2018/19”

**Changes to Attachment 9 described herein replace and supersede the Errata Sheet of Francisco Prieto filed by FPL on February 9, 2016.*

EXHIBIT A TO FPL'S PETITION (CORRECTED 2/17/2016)

Attachment 4 is a map showing the DRP along with the existing electrical facilities in the area.

The line route and future substation site are conceptual and for illustrative purposes only.

A summary of the major project components is outlined below. Construction costs include design, engineering, ROW preparation, and land acquisition, in nominal or year-of-installation dollars.

Duval-Raven Project Construction Costs	Estimated Cost in MM
Estimated Transmission Line Costs (Duval Raven 230 kV line)	52.1
Loop Columbia to Macedonia 115 kV line	.9
Loop Bradford to Columbia 115 kV line	.9
Raven Substation: New substation	14.6
Duval Substation: New Line Terminal	2.5
Estimated Total Project Cost	71 (82.0 CPVRR)

EXHIBIT A TO FPL'S PETITION (CORRECTED 2/17/2016)

Load Flow Results Without the DRP

Page A.1 of Appendix A provides a "Load Flow Diagram Key" to assist in interpreting the load flow maps contained in Appendices A and B. Page A.2 shows a load flow output diagram of the 2018 winter peak load condition without the DRP in-service. The diagram represents what is called the base case scenario or normal condition (*i.e.*, no contingencies) for the year 2018/19 winter peak load. The diagram shows that all facilities are operating within normal equipment ratings (*i.e.*, no overloads or low voltages).

In accordance with NERC Reliability Standards TPL-003-0 - System Performance Following Loss of Two or More Bulk Electric System Elements (Category C) and TPL-001-4 – Transmission System Planning Performance Requirements, Table 1 (Steady State & Stability Performance Planning Events) Categories P1 through P6, effective January 1, 2016), FPL must have a valid assessment and corrective plan to ensure that reliable systems are developed to meet specified performance requirements.

Page A.3 shows the power flows without the DRP in 2018 assuming the loss of the [REDACTED] and [REDACTED] line sections of the [REDACTED] and [REDACTED] lines. This results in the [REDACTED] line section loading to as high as [REDACTED] % of its [REDACTED] amp thermal rating (see Attachment 8). This would potentially require interruption of service to approximately [REDACTED] customers in 2018 to reduce loading on this line to acceptable levels.

EXHIBIT A TO FPL'S PETITION (CORRECTED 2/17/2016)

Bradford, and Columbia Substations, in addition to the installation of capacitor banks for voltage support in the Project Service Area.

Page B.1 is a loadflow map representing this alternative. The estimated capital cost of this alternative is \$101.0M (96.3 CPVRR).

This alternative was rejected for the following reasons:

1. Some of the re-conductorings would require extended clearances that could potentially impact reliability in the area.
2. This alternative does not provide for future transmission network flexibility, nor does it improve reliability in the Project Service Area because it only reinforces the existing 115 kV network.
3. In the long term, a transmission solution (such as the proposed DRP) will still be required to reinforce the 115 kV network in order to serve future load growth in the area (by 2024) even if this alternative was in place.

Transmission Alternative II

This alternative consists of building a new double circuit 230 kV transmission line approximately 20 miles long from FPL's Columbia Substation on new ROW to looping-in-and-out from the existing corridor of the Duke Energy Florida, Inc.'s ("DEF") Suwannee River Plant-Ft. White North 230 kV transmission line into the existing Columbia Substation.

This alternative was rejected for the following reasons:

ATTACHMENT 9 (CORRECTED 2/17/2016)

DECISION STATEMENT		Provide adequate and reliable service in an economical manner to the Baker, Bradford, Columbia, and Union Counties area													
		ALTERNATIVES: All in service dates are based on the Regional Load forecast													
		Selected Project		Alternative I		Alternative II		Alternative III							
		IS YEAR	2018	IS YEAR	2018	IS YEAR	2018	IS YEAR	2018	IS YEAR	2018				
OBJECTIVES	Construct a new Duval/Raven 230K V transmission line with a minimum rating of 1905 amps. (759MVA) a 230/115KV breaker station "Raven" with line terminals and a 230/115KV, 560MVA autotransformer. Upgrades two 115KV transmission line sections: Raven-Tustenuggee Tap and Raven-Columbia.			2024	Provide a 230KV Injection in the Area										
		REQUIREMENTS	Yes	No	Information	Information	Information	Information	Information	Information	Information				
		Alternative must provide for reliable service to area customers	X		X		X		X		X				
		Alternative Plan is feasible to construct	X		X		X		X		X				
		DESIRES	VL	Score	VL-S	Score	VL-S	Score	VL-S	Score	VL-S	Score			
		Minimize Price (Present value of revenue requirements)	10.0	10.0	100	\$82,000,000 CPVRR	7.4	74	\$96,300,000 CPVRR	Not feasible	Not feasible	Not feasible			
		Maximize reliability of service to customers	9.2	10.0	92	Provides greater reliability to a larger service area.	8.0	74	Provides short term relief for approx. 6 years.						
		Maximize compatibility with Long range plans: Flexibility	6.1	10.0	61	Best Satisfies current and future load growth in the area.	5.0	31	Contributes little to the long range expansion of the area.						
		Provides operational flexibility	5.3	10.0	53	Provides maximum operational flexibility	5.0	27	Provides minimum operational flexibility						
		Minimize construction difficulties	4.9	9.0	44	New transmission line. Requires minimum line clearances on three existing lines.	5.0	25	Potential delays - clearances difficult to obtain. Requires several line clearances.						
TOTAL VALUE SCORE	360		** PREFERRED ALTERNATIVE **										229	Not Feasible.	Not Feasible.

APPENDIX A (CORRECTED 2/17/2016)

Load Flow Diagrams- With and Without Project

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APPENDIX A (CORRECTED 2/17/2016)

Winter 2018/19 Loss of Live Oak-Wellborn 115kV and Sanderson Tap-Macedonia 115kV line sections A.13

Load Flow Maps with the Project

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APPENDIX B (CORRECTED 2/17/2016)

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