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March 31, 2026

-VIA ELECTRONIC FILING-

Adam Teitzman
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket No. 20260020-EI
**Petition for determination of need for Andytown-Oasis transmission lines project in
Broward and Miami-Dade Counties, by Florida Power & Light Company.**

Dear Mr. Teitzman:

Enclosed for filing on behalf of Florida Power & Light Company ("FPL") in the above-referenced docket is FPL's Prehearing Statement.

Please feel free to contact me at 561-304-5662 if you have any questions about this transmittal.

Sincerely,

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

Enclosure

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for Determination of Need) Docket No. 20260020-EI
for Andytown-Oasis Transmission Lines in)
Broward and Miami-Dade Counties, by) Filed: March 31, 2026
Florida Power & Light Company)

**FLORIDA POWER & LIGHT COMPANY’S
PREHEARING STATEMENT**

Pursuant to Florida Public Service Commission (“FPSC” or the “Commission”) Order No. PSC-2026-0056-PCO-EI, Florida Power & Light Company (“FPL” or the “Company”) hereby submits its Prehearing Statement regarding the issues to be addressed at the hearing scheduled for April 23, 2026.

1) WITNESS

A. Direct Testimony

Witness	Subject Matter	Issue No.
Miguel A. Yanes	Provides an overview of the FPL transmission system; describes the Andytown-Oasis Transmission Lines project (“AOP”), including the design and operating voltage of the proposed transmission lines, the starting and ending points of the lines, the approximate cost of the AOP, and the projected in-service date; addresses the specific conditions, contingencies, and factors, such as compliance with NERC Reliability standards, which demonstrate the need for the AOP, including a discussion of FPL’s transmission planning process and the system reliability benefits of the AOP; presents the major transmission alternatives to the AOP that were evaluated and rejected by FPL in favor of the AOP; and discusses the adverse consequences to FPL’s electric system and customers if the AOP is delayed or denied.	1-4

B. Rebuttal Testimony

Witness	Subject Matter	Issue No.
Miguel A. Yanes	Rebuts the arguments of Environmental Defense Fund, Inc. (“EDF”) witnesses Ted J. Thomas and David Cranston; emphasizes that EDF offers no transmission assessments, power flow analysis, or reliability modeling	1-4

Witness	Subject Matter	Issue No.
	disputing the reliability violations and constraints identified in FPL’s 2025 transmission assessment under mandatory NERC Reliability Standards; supports the present, location-specific reliability need in Miami-Dade County; refutes EDF’s claims of customer harm highlighting the real customer and system risks if AOP is delayed, including potential load shedding; and refutes EDF’s reliance on undefined future alternatives as not being feasible for maintaining reliable service.	
Andrew McLain	Addresses the current and future requirements for FPL under FERC Orders 1000 and 1920 raised by EDF witnesses Thomas and Cranston.	1-4

2) EXHIBITS

Witness	Proffered By	Exhibit No.	Description	Issue No.
None	FPL	None	Notices of Final Hearing and Affidavits of Publication	1-4
Miguel A. Yanes	FPL	None	Exhibit “A” to the Petition to Determine Need for the Andytown-Oasis Electrical Transmission Lines in Broward and Miami-Dade Counties	1-4
Miguel A. Yanes	FPL	MAY-1	FPL Electrical Transmission Grid Map	1-4
Miguel A. Yanes	FPL	MAY-2	Map of Study Area with Existing Facilities and Proposed Project	1-4
Miguel A. Yanes	FPL	MAY-3	Andytown-Oasis Expected Construction Schedule	1-4
Miguel A. Yanes	FPL	MAY-4	List of Contingencies	1-4

In addition to the above prefiled exhibits, FPL reserves the right to utilize any exhibit introduced by any other party. FPL also reserves the right to introduce any additional exhibit necessary for rebuttal, cross-examination, or impeachment at the final hearing.

3) STATEMENT OF BASIC POSITION

FPL has petitioned the Commission for an affirmative determination of need for the construction and operation of four new transmission lines: (1) one 500 kV line starting at FPL's existing Andytown substation in Broward County and ending at FPL's planned Oasis substation in Miami-Dade County; (2) one 500 kV line starting at FPL's existing Quarry substation in Miami-Dade County and ending at FPL's planned Oasis substation in Miami-Dade County; (3) one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County and ending at FPL's existing Quarry substation in Miami-Dade County; and (4) one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County and ending at FPL's existing Levee substation in Miami-Dade County (collectively, the AOP).

The need for the AOP is based on the following considerations:

- Address future thermal overloads and low voltage conditions in Miami-Dade County under contingency events in compliance with mandatory NERC Reliability Standards TPL-001-5.1 and NUC-001-4;
- Maintain transmission reliability for FPL customers in Miami-Dade County; and
- Increase power transfer capability of the transmission system to support growing demand in Miami-Dade County.

Over the past three years (2023-2025), FPL's service area in Miami-Dade County has reported summer peak loads between 6,014 MW and 6,239 MW. FPL's 2025 forecast projects that, by 2033, the summer peak load in Miami-Dade County will be approximately 7,200 MW. Transmission assessment studies conducted by FPL in 2025 identified potential system limitations that will require additional facilities to meet transmission reliability requirements and increase transfer capability for Miami-Dade County. These studies have identified that, by 2033, FPL's

existing transmission network will not be able to support the growing load demand in Miami-Dade County, and a new transmission solution will be required to maintain transmission reliability in the area.

FPL evaluated multiple transmission alternatives for meeting the identified needs, which resulted in the selection of the AOP. The AOP represents the overall best solution to address the continued customer load growth in Miami-Dade County, current and planned generation expansion in Miami-Dade County, compliance with mandatory NERC Reliability Standards, and the need to maintain transmission reliability in Miami-Dade County for both existing and future customers. The AOP will continue to support low-cost electricity for the economic well-being of the residents of Florida.

In summary, the AOP presents the best alternative for meeting the need to maintain a reliable transmission system for Miami-Dade County and the cost-effective supply of power to FPL's existing and future customers within Miami-Dade County. FPL's petition, prefiled testimony, and exhibits demonstrate the need for the AOP in the proposed time frame as the most cost-effective alternative available, taking into account the demand for electricity, the need for electric system reliability and integrity, the need for abundant, low-cost electrical energy to assure the economic well-being of the residents of this state, the location of the project (starting and ending points of the lines), and other relevant matters pursuant to Section 403.537(1)(c), Florida Statutes (2025).

For these reasons, and those set forth more fully in FPL's Petition and prefiled testimony and exhibits, FPL satisfies the statutory elements for granting an affirmative determination of need for AOP pursuant to Section 403.537, Florida Statutes.

4) STATEMENT OF ISSUES AND POSITIONS

ISSUE 1: When taking into account the need for electric system reliability and integrity, as prescribed in Section 403.537, Florida Statutes, is there a need for Florida Power & Light Company's proposed:

- (A) 500-kV transmission line starting at FPL's existing Andytown substation and ending at FPL's planned Oasis substation?
- (B) 500-kV transmission line starting at FPL's existing Quarry substation and ending at FPL's planned Oasis substation?
- (C) 230-kV transmission line starting at FPL's planned Oasis substation and ending at FPL's existing Quarry substation?
- (D) 230-kV transmission line starting at FPL's planned Oasis substation and ending at FPL's existing Levee substation?

FPL: Yes. There is a need for FPL's proposed AOP transmission lines, taking into account electric system reliability and integrity. These four transmission lines are needed to: (a) address future thermal overloads and low voltage conditions in Miami-Dade County under contingency events in compliance with mandatory NERC Reliability Standards TPL-001-5.1 and NUC-001-4; (b) maintain transmission reliability for FPL customers in Miami-Dade County; and (c) increase power transfer capability of the transmission system to support growing demand in Miami-Dade County.

FPL's 2025 transmission assessment identified potential system limitations that will require additional facilities to meet transmission reliability and increase transfer capability for Miami-Dade County. This assessment identified that, by 2033, FPL's existing transmission network will not be able to support the growing load demand in Miami-Dade County, and a new transmission solution will be required to maintain transmission reliability in the area. The AOP will effectively address potential overloads and low voltage conditions in Miami-Dade County under contingency events, maintain transmission reliability for customers in the County, and increase the power transfer capability for the transmission system to support the growing customer demand in the County.

The record in this case demonstrates that, if the AOP is not built by December 2033, the transmission system would experience potential overloads and low voltage conditions under contingency events, resulting in multiple NERC Reliability Standard violations. In addition, sufficient transmission capacity would not be available to serve existing and future customers in Miami-Dade County. Further, because of growing loads in the area, the transmission system and FPL customers in the area would experience negative impacts to their transmission reliability, such as NERC Reliability Standard violations, transmission system overloads, low voltage conditions, and customer load shedding due to insufficient transmission capacity. (Yanes, McLain)

ISSUE 2: When taking into account the need for abundant, low-cost electrical energy to assure the economic well-being of the citizens of the State, as prescribed in Section 403.537, Florida Statutes, is there a need for Florida Power & Light Company's proposed:

- (A) 500-kV transmission line starting at FPL's existing Andytown substation and ending at FPL's planned Oasis substation?
- (B) 500-kV transmission line starting at FPL's existing Quarry substation and ending at FPL's planned Oasis substation?
- (C) 230-kV transmission line starting at FPL's planned Oasis substation and ending at FPL's existing Quarry substation?
- (D) 230-kV transmission line starting at FPL's planned Oasis substation and ending at FPL's existing Levee substation?

FPL: Yes. There is a need for the AOP, taking into account the need for abundant, low-cost electrical energy to assure the economic well-being of the citizens of the State. FPL evaluated multiple transmission alternatives for meeting the identified needs, which resulted in the selection of the AOP as the most cost-effective alternative. The AOP will effectively address potential overloads and low voltage conditions in Miami-Dade County under contingency events, maintain transmission reliability for customers in the County, and increase the power transfer capability for the transmission system to support the growing customer demand in the County.

The estimated cost of the AOP is \$781.89 million. While the final cost is subject to the final route and other conditions that could be imposed through the Transmission Line Siting Act process, the estimated cost in the Petition is reasonable.

FPL evaluated and rejected two transmission alternatives to the AOP.

Alternative I, the Conservation-Oasis Project, consists of building four new transmission lines: one 500 kV line starting at FPL's existing Conservation substation in Broward County and ending at FPL's planned Oasis substation in Miami-Dade County; one 500 kV line starting at FPL's existing Quarry substation in Miami-Dade County ending at FPL's planned Oasis substation in Miami-Dade County; one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County ending at FPL's existing Quarry substation in Miami-Dade County; and one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County ending at FPL's existing Flagami substation in Miami-Dade County. The estimated construction cost of this alternative is \$1,004.29 million (\$925.2 million CPVRR). Alternative I was rejected because: (1) the cost of this alternative is approximately \$222.4 million higher than the AOP; and (2) this alternative presents significant routing and permitting challenges through densely populated areas in Miami-Dade County where FPL has limited right-of-way for new transmission lines.

Alternative II, the Andytown-Oasis Two Circuits Project, consists of building four new transmission lines: two 500 kV lines starting at FPL's existing Andytown substation in Broward County and ending at FPL's planned Oasis substation in Miami-Dade County; one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County and ending at FPL's existing Levee substation in Miami-Dade County; and one 230 kV line starting at FPL's planned Oasis substation in Miami-Dade County and ending at FPL's existing Flagami substation in Miami-Dade County. The estimated construction cost of this alternative is \$974.19 million (\$876.6 million CPVRR). Alternative II was rejected because (1) the cost of this alternative is approximately \$192.3 million higher than the AOP; and (2) this alternative presents significant routing challenges through densely populated areas in Miami-Dade County where FPL has limited right-of-way for new transmission lines. (Yanes, McLain)

ISSUE 3: Are Florida Power & Light Company's proposed starting and ending points appropriate for the:

- (A) 500-kV transmission line to start at existing Andytown substation in Broward County and end at planned Oasis substation in Miami-Dade County?
- (B) 500-kV transmission line to start at existing Quarry substation in Miami-Dade County and end at planned Oasis substation in Miami-Dade County?
- (C) 230-kV transmission line to start at planned Oasis substation in Miami-Dade County and end at existing Quarry substation in Miami-Dade County?
- (D) 230-kV transmission line to start at planned Oasis substation in Miami-Dade County and end at existing Levee substation in Miami-Dade County?

FPL: Yes. The AOP is the most cost-effective transmission alternative to serve the projected growing demand in Miami-Dade County. The record demonstrates that the proposed starting and ending points are appropriate for each of the four new transmission lines included in the AOP. The Transmission Line Siting Board will make the final determination concerning the length and route of the proposed transmission lines. (Yanes, McLain)

ISSUE 4: Should the Commission grant Florida Power & Light Company's petition for determination of need for the proposed:

- (A) 500-kV Andytown-Oasis transmission line project?
- (B) 500-kV Quarry-Oasis transmission line project?
- (C) 230-kV Oasis-Quarry transmission line project?
- (D) 230-kV Oasis-Levee transmission line project?

FPL: Yes. There is a need for each of these four new transmission lines, with in-service dates not later than December 2033, when taking into account the demand for electricity, the need for electric system reliability and integrity, and the need for abundant, low-cost electrical energy to assure the economic well-being of the

residents of Florida. The starting and ending points identified in FPL's Petition and testimony are the appropriate starting and ending points for each of the four lines included in the AOP. The Transmission Line Siting Board will make the final determination concerning the length and route of the proposed transmission lines. (Yanes, McLain)

ISSUE 5: Should the docket be closed:

FPL: Yes. This docket should be closed upon the issuance of an appropriate order approving the need for the AOP as proposed.

5) STIPULATED ISSUES

FPL: None at this time.

6) PENDING MOTIONS

FPL: None at this time.

7) PENDING REQUESTS FOR CONFIDENTIALITY

Florida Power & Light Company's request for confidential classification of certain information provided in the exhibits and attachments in support of its Petition and the prefiled direct testimony of FPL witness Miguel Yanes, dated March 11, 2026. [DN 01501-2026]

Florida Power & Light Company's request for confidential classification of certain information provided in its responses to Staff's First Set of Interrogatories and First Request for Production of Documents, dated March 20, 2026. [DN 01692-2026]

Florida Power & Light Company's request for confidential classification of certain information provided in its responses to OPC's First Set of Interrogatories and First Request for Production of Documents, dated March 30, 2026. [DN 01849-2026]

8) OBJECTIONS TO A WITNESS' QUALIFICATION AS AN EXPERT

FPL: FPL objects to EDF witness David Cranston's qualifications as an expert and, pending receipt of EDF's responses to outstanding discovery requests served on March 27, 2026, reserves the right to voir dire EDF witness Cranston. Specifically, FPL objects to the following portions of EDF witness Cranston's direct testimony on the basis that he is not qualified to present expert opinions on the matter contained within the page and line numbers identified below:

Page Number	Line Numbers
Page 7	Lines 14-19
Page 8	Lines 1-4, 10-19
Page 9	Lines 1-18
Page 10	Lines 1-19
Page 11	Lines 1-18
Page 12	Lines 1-19
Page 12	Lines 1-2
Page 17	Line 18
Page 18	Lines 1-9
Page 20	Lines 5-19
Page 21	Lines 1-15
Page 26	Lines 13-19
Page 27	Lines 1-19
Page 28	Lines 1-19
Page 29	Lines 1-19
Page 30	Lines 1-2, 14-19
Page 31	Lines 1-6

9) REQUEST FOR SEQUESTRATION OF WITNESSES

FPL: None at this time.

10) STATEMENT OF COMPLIANCE WITH ORDER ESTABLISHING PROCEDURE

There are no requirements in the Order Establishing Procedure with which FPL cannot comply.

Respectfully submitted this 31st day of March 2026,

By: /s/ William P. Cox
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CERTIFICATE OF SERVICE

Docket No. 20260020-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing was served by electronic mail on this 31st day of March 2026 to the following:

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