



William P. Cox
Senior Counsel
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
(561) 304-5662
(561) 691-7135 (Facsimile)
E-mail: will.p.cox@fpl.com

June 29, 2026

VIA HAND DELIVERY

Mr. Adam Teitzman
Division of the Commission Clerk and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399-0850

Re: Docket No. 20260020-EI
Petition for determination of Need for Andytown-Oasis Transmission Lines in
Broward and Miami-Dade Counties, by Florida Power & Light Company.

Dear Mr. Teitzman:

In accordance with directives contained in Florida Public Service Commission Order No. PSC-2026-0172-CFO-EI, Florida Power & Light Company hereby submits the attached revised public version of Document No. 01959-2026.

Please contact me if you or your Staff has any questions regarding this filing at (561) 304-5662 or will.p.cox@fpl.com.

Sincerely,

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

CERTIFICATE OF SERVICE

Docket No. 20260020-EI

I HEREBY CERTIFY that a true and correct copy of the foregoing was served by electronic mail this 29th day of June 2026 to the following:

Carlos Marquez II, Esq.
Shaw Stiller, Esq.
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399
cmarquez@psc.state.fl.us
sstiller@psc.state.fl.us

Office of Public Counsel
Walt Trierweiler, Esq.
Charles Rehwinkel, Esq.
c/o The Florida Legislature
111 W. Madison Street, Room 812
Tallahassee FL 32399
trierweiler.walt@leg.state.fl.us
rehwinkel.charles@leg.state.fl.us

Gardner Law Firm
Robert Scheffel Wright, Esq.
John T. LaVia, III, Esq.
1300 Thomaswood Drive
Tallahassee FL 32308
schef@gbkwlaw.com
jlavia@gbkwlaw.com

**Attorneys for Environmental Defense Fund,
Inc.**

/s/ William P. Cox
William P. Cox

QUESTION:

Refer to FPL's response to Staff's First Set of Interrogatories, No. 5, regarding the 2031 Andytown-Oasis 500 kV transmission line portion of the AOP.

- a. Explain if the 2031 in-service date is required by the reliability analysis. If not, identify when it would be required by reliability and what factor(s) FPL used to determine the earlier in-service date.
- b. If the 2031 Andytown-Oasis 500 kV transmission line portion of the AOP is not required for reliability in 2031, provide an estimate of the avoided capital costs of deferring the in-service date of the project by (i) one year to 2032 or (ii) two years to 2033. As part of your response, identify any additional benefits and costs associated with not accelerating the project.
- c. If the 2031 Andytown-Oasis 500 kV transmission line portion of the AOP is required for reliability, discuss the impacts on the system of deferring the in-service date of the project by (i) one year to 2032 or (ii) two years to 2033.
- d. Could FPL proceed with the construction of the remaining 2033 projects, Quarry-Oasis 500 kV, Oasis-Quarry 230 kV, and Oasis-Levee 230 kV, if the 2031 Andytown-Oasis 500 kV project was deferred by (i) one year or (ii) two years?

RESPONSE:

- a. By 2031, the [REDACTED] transmission line in Miami-Dade County is projected to reach approximately 99 percent of its rating under certain NERC Reliability Standard TPL-001-5.1 contingency conditions as documented in FPL's 2025 Transmission Planning Assessment and the Confidential 2023-2025 Contingency Assessment Results Table provided with FPL's response to Staff's First Set of Interrogatories, No. 2.

FPL's transmission planning studies are performed using P80 load forecasts, which represent a planning load level for which there is a 20 percent probability that the actual load would exceed the forecasted value. Any load realization above the P80 forecast could cause the [REDACTED] transmission line to exceed its ampacity rating, resulting in a potential NERC reliability violation and increasing the risk of load shedding. Furthermore, construction of the first phase of the AOP Project will allow FPL sufficient time to complete the permitting, engineering, procurement, and construction activities required for this extensive and complex transmission project. Lastly, Florida's history of extreme weather (*i.e.*, hurricanes) could result in delays if the project was unwisely built as a single phase in 2033 (rather than multiple phases as proposed).

Based on this foregoing information, FPL determined that it is reasonable and appropriate to build the first phase of the AOP Project, Andytown–Oasis 500 kV transmission line, by the end of 2031 and the remaining phases by the end of 2033.

- b. Not applicable. The Andytown–Oasis 500 kV transmission line is planned to be in service by 2031 to address identified violations of the mandatory NERC Reliability Standard TPL – 001-5.1 line loading limitations. Therefore, FPL did not evaluate deferral scenarios to 2032 or 2033 for purposes of estimating avoided capital costs. As a result, FPL has not developed estimates of avoided capital costs, additional benefits, or additional costs associated with deferring the in-service date of this facility.
- c. As explained in the response to subpart (a), it is reasonable and appropriate to build the Andytown–Oasis 500 kV transmission line in 2031. Deferring its in-service date to 2032 or 2033 would increase the likelihood that the [REDACTED] transmission line could exceed its ampacity rating, particularly if the actual loads exceed the forecasted P80 loads. Such conditions would increase the risk that the system would not satisfy the mandatory performance requirements of NERC Reliability Standard TPL-001-5.1 and could lead to load shed in Miami-Dade county.
- d. No. These transmission lines are a part of an integrated transmission construction sequence and are designed to build upon the system strength provided by the Andytown–Oasis 500 kV transmission line as further explained in subparts (a) – (c). In order to meet this in-service date and avoid transmission reliability issues for customers in Miami-Dade County, FPL must stagger the construction and completion dates of the AOP lines in multiple phases between 2031 and 2033.

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