

21 West Church Street, Tower 10
Jacksonville, Florida 32202-3139



September 5, 2018

Division of Records and Reporting
Public Service Commission
Capital Circle Office Center
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

**RE: Review of the 2018 Ten-Year Site Plans for Florida's Electric Utilities
Supplemental Data Request #2**

Via electronic filing, JEA has filed responses to Staff's Supplemental Data Request #2, DN 20180000-OT.

If you have any questions regarding this submittal, please contact me at (904) 665-6216 or guytml@JEA.com.

Thank You,

A handwritten signature in cursive script that reads 'Mary L. Moran'.

Mary L. Moran, PE
Manager, Electric Generation Planning
JEA

RECEIVED-FPSC
2018 SEP -6 PM 3:02
COMMISSION
CLERK

1. Please provide a comparison of JEA's 2017 and 2018 Ten-Year Site Plans, identifying any notable differences.

Beginning with the 2017 TYSP, JEA announced the decommissioning for SJRPP. Only a few changes occurred subsequent to the decommissioning:

- Because of the decommissioning, JEA shows a need of up to 200 MWs prior to 2023. Since the publishing of the 2017 TYSP, JEA acquired a firm purchased power agreement with Southern Power for 200 MW of natural gas combined cycle capacity and energy from Wansley for the 2018 and 2019 calendar years.
- In the 2018 TYSP, JEA is moving forward in spring 2019 with an addition of General Electric's Advanced Gas Path and 7FA.05 compressor modifications to Brandy Branch CTs 2 and 3. This upgrade is expected to yield increased capacities of 83 summer MW and winter 57 MW.
- Both summer and winter firm peak forecasts in the 2018 TYSP are marginally lower in 2019 than the 2017 peak forecasts. By 2026, the current forecast is approximately 40 Summer MWs and approximately 30 winter MWs lower than the 2017 forecast.

2. Please refer to JEA's responses to staff's Supplemental Data Request #1, No. 36. Please indicate whether or not JEA plans to pursue any of these projects. If so, please identify which and provide the status of these proposed projects.

JEA's Response to staff's Supplemental Data Request #1, No. 36:

Through the Large Scale Solar PV PPA solicitation process discussed in question 35, JEA received RFQ submittals from 38 companies. Of the 7 companies shortlisted, 6 provided responses to the RFP, with a total of 50 conforming proposals. In addition to these, JEA received a total of 3 unsolicited solar PV proposals from 3 separate entities.

JEA's Response to staff's Supplemental Data Request #2, No. 2:

On April 26, 2018, JEA awarded all five 50 MW projects to EDF Renewables Distributed Solutions. JEA and EDF are currently in contract negotiations. The projects are expected

to have staggered commercial operation dates beginning 4th quarter 2019.

3. **Please indicate whether or not JEA accounts for solar degradation. If so, please explain how JEA calculates solar degradation, discuss whether or not JEA accounts for solar degradation in cost-effectiveness evaluations, and identify the possible causes of solar degradation. If not, please explain.**

All JEA's utility scale solar is acquired through purchased power agreements. Therefore, JEA does not calculate solar degradation, but requests projected annual energy output as part of the proposal along with price. The developer provides energy projections over the term of the contract that show a declining project output. This degradation in energy is used to determine the Levelized Cost of Energy (LCOE) for the project for comparison with other proposed projects.