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DIVISION OF ENGINEERING
TOM BALLINGER
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Public Service Commission

April 5, 2024

Ms. Dianne M. Triplett
Duke Energy Florida, LLC
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

**STAFF'S FIRST DATA REQUEST
VIA EMAIL**

Re: Docket No. 20240048-EQ -- Petition for approval of amended standard offer contract (Schedule COG-2), by Duke Energy Florida, LLC.

Dear Ms. Triplett:

Please provide the information requested below regarding Duke Energy Florida, LLC (Utility) to the Office of Commission Clerk by **Monday, April 22, 2024**.

1. Please refer to paragraph 3 of the Utility's petition to amend the standard offer contract. Explain the discrepancy between the statement that "DEF does not project a generating unit addition during the period covered by its Ten-Year Site Plan," compared to the Utility's 2024 Ten-Year Site Plan which includes the avoided unit.
2. Please refer to Sheet Nos. 9.467 and 9.468 of the Utility's amended standard offer contract. Explain why there is an increase in the avoided unit capital costs and fixed O&M as compared to the previous year's avoided unit. As part of this explanation, describe the impact of any changes in financial assumptions, changes in unit type or capabilities, change in unit timing, or general industry trends on the unit cost.
3. Please refer to Sheet No. 9.455 and Table 3. Please provide a copy of the amended Table 3 in Excel format, with formulas intact.
4. Please complete the following table describing payments to a renewable provider based on the proposed tariffs included in the Utility's revised standard offer contract for each of the five scenarios listed below. For the calculations, assume a renewable generator with a 50 MW output providing firm capacity with an in-service date of January 1, 2025, operating at the minimum capacity factor required for full capacity payments and a contract duration of 20 years. As part of your response, state the capacity factor assumed

for the calculations. Please calculate the total Net Present Value (NPV) of all payments in 2025 dollars, and also provide an explanation of the method and rate used to calculate the NPV.

- As-available energy (energy only payments)
- Normal capacity payments
- Levelized payments
- Early payments
- Early levelized payments

| Year | Energy (MWh) | Capacity Rate (\$/kw-mo) | Total Capacity Payments (\$) | Energy Rate (\$/MWh) | Total Energy Payments (\$) | Total Payments (\$) |
|-----------------|--------------|--------------------------|------------------------------|----------------------|----------------------------|---------------------|
| 2025 | | | | | | |
| 2026 | | | | | | |
| 2027 | | | | | | |
| 2028 | | | | | | |
| 2029 | | | | | | |
| 2030 | | | | | | |
| 2031 | | | | | | |
| 2032 | | | | | | |
| 2033 | | | | | | |
| 2034 | | | | | | |
| 2035 | | | | | | |
| 2036 | | | | | | |
| 2037 | | | | | | |
| 2038 | | | | | | |
| 2039 | | | | | | |
| 2040 | | | | | | |
| 2041 | | | | | | |
| 2042 | | | | | | |
| 2043 | | | | | | |
| 2044 | | | | | | |
| Total (Nominal) | | | | | | |
| Total (NPV) | | | | | | |

Ms. Dianne Triplett

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Please file all responses electronically via the Commission's website at www.floridapsc.com, by selecting the Clerk's Office tab and Electronic Filing Web Form (reference Docket No. 20240048-EQ). In addition, please email the filed response to discovery-gcl@psc.state.fl.us. If you have any questions, please contact Segundo Sanchez by phone at (850) 413-6226 or email at SSanchez@psc.state.fl.us.

Sincerely,

s/ Segundo Sanchez

Segundo Sanchez

Engineering Specialist I

SS/da

cc: Mr. Matthew R. Bernier (Matthew.Bernier@duke-energy.com)

Ms. Stephanie Cuello (Stephanie.Cuello@duke-energy.com/FLRegulatoryLegal@duke-energy.com)

Office of Commission Clerk (DN 20240048-EQ)