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STATE OF FLORIDA



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# Public Service Commission

June 26, 2023

Dianne M. Triplett  
Duke Energy Florida, LLC  
299 1st Avenue North  
St. Petersburg, Florida 33701  
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## STAFF'S FIRST DATA REQUEST Via E-mail

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Duke Energy Florida, LLC  
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Tallahassee, FL 32301  
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### Re: Docket No. 20230068-EI: Petition for Approval of Smart Outdoor Lighting Services Pilot Program by Duke Energy Florida, LLC

Dear Ms. Triplett, Mr. Bernier, and Ms. Cuello:

By this letter Commission staff respectfully requests that Duke Energy Florida, LLC (Duke or the Utility) provide responses to the following data requests regarding the proposed Smart Outdoor Lighting Services Pilot Program (pilot program or program):

#### General Program Questions and Program Cost

1. Please describe the type of information Duke is seeking to gain from the pilot program.
2. Please explain why a minimum of 12 months participation is adequate or appropriate for an 18-month pilot.
3. If the proposed pilot program is approved, please discuss how the customers will be informed of the availability of the pilot program.
4. Please explain if customers would be given notice if the proposed pilot program discontinues. If so, how far in advance would the notice be given?
5. Please provide cost support for the proposed pilot program.

6. What are the projected administrative costs for the proposed pilot program? Please explain.
7. Please explain how Duke will recover any incremental costs associated with implementing the pilot program.
8. Would customers who participate in the pilot program incur any costs? If so, please explain what those costs are.

#### Technical Questions

9. For the following questions please refer to proposed tariff sheet no. 6.280, regarding “certain LED fixtures with utility-installed smart nodes.”
  - a. Provide a discussion with additional technical information on the company-installed smart nodes
  - b. Describe the purpose of a smart node.
  - c. Has Duke already installed the smart nodes, or will they need to be installed for the pilot program? Please explain.
  - d. Specify which model of smart node Duke intends to install for the pilot program.
  - e. Explain how many lights can be connected to each smart node.
  - f. Provide the cost of an individual smart node and the cost to install the equipment.
10. Please again refer to proposed tariff sheet no. 6.280, regarding “certain LED fixtures with Company-installed smart nodes.”
  - a. Please explain why the pilot program is limited to customers with certain LED fixtures.
  - b. Please provide a list of LED fixtures in Duke’s currently-approved Lighting Service (LS-1) tariff which would be eligible for the pilot program.
11. Paragraph 6 of the petition states that the purpose of the pilot program is to gather energy usage data to offer an appropriately priced program in the future. Does Duke intend to use customer energy consumption data for any other purposes? Please explain.
12. Paragraph 6 of the petition refers to a dusk to dawn operating schedule of lights under the LS-1 tariff. Please explain how Duke would determine the appropriate time for dusk and dawn?

#### Questions on Program Terms and Conditions

13. Referring to Exhibit C of the petition (Smart Pilot’s Terms and Conditions), please explain why the terms and conditions are not tariffed pages.

14. For the following questions, please refer to Exhibit C, subsection A.4, which states that participation in the pilot program must be for a minimum of 12 months within the 18 month pilot period.
  - a. Clarify if a customer must participate for 12 months consecutively or for any 12 months within the 18 months? Please explain.
  - b. Explain if subsection A.4 dictates that no customers may sign up after the sixth month of the pilot period.
15. Please refer to Exhibit C, subsection A.5 for the following questions.
  - a. Clarify whether metered LS-1 customers who participate in the proposed pilot would see a reduction in their street lighting bill, if their energy consumption was reduced as a result of participating in the pilot. Please explain.
  - b. Explain the benefits for LS-1 customers who participate in the proposed pilot program.
16. Please refer to Exhibit C, subsection B.2 for the following questions.
  - a. State whether Duke or the customer would implement any lighting schedule changes and how this is done.
  - b. How did Duke determine that lighting schedule changes would be processed in five business days? Please explain.
  - c. Explain what Duke considers to be “emergent special event schedule changes that are deemed temporary,” as stated in subsection B.2.b. Please include examples in your response.
  - d. Subsection B.2.a, states that lighting schedule change requests can be made through the pilot web form or email. Please discuss if the referenced web form and email are ready to be released for customer use. Please provide a web form address.
17. Please list the criteria to define a “customer who is in good financial standing,” as referenced in tariff sheet no. 6.280.

#### Program Participation and Eligibility

18. Approximately how many customers currently taking service under the LS-1 tariff have LED lighting? Of those customers, how many are estimated to participate in the proposed pilot? Please explain.
19. Are both metered and unmetered customers eligible for the pilot program?
20. Approximately how many customers does Duke expect to participate in the pilot program?
21. Have any customers expressed interest in this pilot program? Please explain.

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22. For the following questions, please refer to Paragraph 7 of the petition, which states that the pilot program is limited to 10,000 lights.
- a. Explain why this is an appropriate number of lights to be included in the proposed pilot program.
  - b. Explain why Duke is using 10,000 lights and not a certain number of LS-1 customers in the pilot program.
  - c. How would Duke determine it is appropriate to increase the number of lights under the pilot program? Please explain.
23. Please explain if there is any cut off period where customers may no longer enroll in the pilot program.
24. What is Duke's anticipated course of action if program participation does not reach 10,000 lights? Please explain.

Other Tariff Modifications

25. For the following questions, please refer to the proposed modifications shown on pages 2 and 3 of Exhibit A to the Petition (Legislative Format Tariffs).
- a. What is the purpose of these proposed modifications? Please explain.
  - b. Please clarify whether the four lighting fixtures Duke proposes to move to tariff sheet no. 6.281 are Mercury Vapor or Sodium Vapor fixtures. Please explain.

Please file all responses electronically no later than July 17, 2023 via the Commission's website at [ww.floridapsc.com](http://ww.floridapsc.com) by selecting the Clerk's Office tab and Electronic Filing Web Form. Please call me at 850.413.6554 if you have any questions.

Thank you,

/s/Oakley Ward

Public Utility Analyst II

[oward@psc.state.fl.us](mailto:oward@psc.state.fl.us)

cc: Office of Commission Clerk