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STATE OF FLORIDA



DIVISION OF ENGINEERING
TOM BALLINGER
DIRECTOR
(850) 413-6910

Public Service Commission

April 6, 2020

Mr. James D. Beasley
Ausley & McMullen
Post Office Box 391
Tallahassee, Florida 32302
jbeasley@ausley.com

STAFF'S FIRST DATA REQUEST VIA EMAIL

Re: Docket No. 20200112-EQ - Petition for approval of revisions to standard offer contract and rate schedule COG-2, by Tampa Electric Company.

Dear Mr. Beasley:

By this letter, Commission staff requests that Tampa Electric Company (TECO or Utility) provide responses to the following data request.

1. Please explain the selection of a reciprocating engine, as TECO's next avoided unit, instead of either a combustion turbine or combined cycle unit. As part of your response, describe the benefits and disadvantages of the reciprocating engine selection compared to either of these generating unit types.
2. If a renewable provider signs a contract in excess of the installed capacity of the avoided unit (18.5 Megawatts), would TECO seek to limit capacity payments to this amount? Please explain your response.
3. 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. Please assume a renewable generator with a 50 MW output providing firm capacity with an in-service date of January 1, 2021, operating at the minimum capacity factor required for full capacity payments and a contract duration of 20 years. Please state the capacity factor assumed for the calculations. Please calculate the total Net Present Value (NPV) of all payments in 2021 dollars, and also provide an explanation of the method and rate used to calculate the NPV.

Please provide the completed table for each of the following scenarios:

- a. As-available energy (energy only payments)
- b. Normal capacity payments
- c. Levelized payments
- d. Early payments
- e. Early levelized payments

Year	Energy (MWh)	Capacity Rate (\$/kw-mo)	Total Capacity Payments (\$)	Energy Rate (\$/MWh)	Total Energy Payments (\$)	Total Payments (\$)
2021						
2022						
2023						
2024						
2025						
2026						
2027						
2028						
2029						
2030						
2031						
2032						
2033						
2034						
2035						
2036						
2037						
2038						
2039						
2040						
Total (nominal)						
Total (NPV)						

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Please file all responses electronically no later than **April 16, 2020**, via the Commission's website at www.floridapsc.com, by selecting the Clerk's Office tab and Electronic Filing Web Form (reference Docket No. 20200112--EQ). If you have any questions, please contact Phillip Ellis by phone (850) 413-6626 or email at PEllis@psc.state.fl.us, or Damian Kistner by email at DKistner@psc.state.fl.us

Sincerely,

/s/ Damian Kistner

Damian Kistner
Engineering Specialist

DK/jp

cc: Office of Commission Clerk (Docket No. 20200112-EQ)
J. Jeffrey Wahlen/Malcolm N. Means – Ausley & McMullen
Paula Brown – Regulatory Affairs (regdept@tecoenergy.com)