

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE: August 9, 2018
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Takira Thompson, Engineering Specialist, Division of Engineering *TT PoE*
RE: Docket No. 20180000-OT - Undocketed filings for 2018.

Please file the attached, "TECO – TYSP Staff's Supplemental Data Request #2," in the above mentioned docket file.

Thank you.

TT/pz

Attachment

COMMISSIONERS:
ART GRAHAM, CHAIRMAN
JULIE I. BROWN
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STATE OF FLORIDA



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

Public Service Commission

August 9, 2018

Mr. Billy Stiles
TECO
wjstiles@tecoenergy.com

VIA EMAIL

Dear Mr. Stiles:

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

Please electronically file all responses to the attached Staff's Supplemental Data Request #2, no later than Wednesday, September 5, 2018, via the Commission's website at www.floridapsc.com by selecting the Clerk's Office tab and Electronic Filing Web Form. Please reference 20180000-OT (Undocketed filings for 2018). In addition, please email responses to Takira Thompson at tthomps@psc.state.fl.us.

If you have any questions, please contact Takira Thompson by phone at (850) 413-6592 or at the email address provided above, or contact Phillip Ellis by phone at (850) 413-6626 or by email at pellis@psc.state.fl.us.

Sincerely,

A handwritten signature in blue ink that reads "Takira Thompson".

Takira Thompson
Engineering Specialist
Division of Engineering

TT:pz

Enclosure

cc: Office of Commission Clerk (20180000-OT – Undocketed filings for 2018)

1. Please refer to Schedule 1 of Tampa Electric Company's (TECO) 2018-2027 Ten-Year Site Plan (2018 TYSP). Please explain why Big Bend Units 3 and 4 will have their net capabilities limited effective January 2023.
2. Please refer to page 13 of TECO's 2018 TYSP where a demand side management rebate program offered by TECO called "Energy Star for New Multi-Family Residences" is defined. This program is not mentioned in TECO's 2017 TYSP. Please describe the magnitude of the impact, if any, of TECO's incorporation of the rebate program "Energy Star for New Multi-Family Residences" on TECO's energy demand estimation models and forecasts.
3. Please refer to page 23 of TECO's 2018 TYSP. Please explain, with specificity, how TECO develops its high and low fuel price projections.
4. Please refer to Schedules 7.1 and 7.2 of TECO's 2018 TYSP. Please identify the change(s) in TECO's generation fleet that accounts for the yearly increase/decrease of installed capacity, if any, for each year included in the period covered in the schedules.
5. Please refer to both TECO's responses to staff's Supplemental Data Request #1, Excel file titled: *Tampa Electric 2018 TYSP Supp DR Q1 Schedules 1-10.xlsx*, Schedules 2.1-2.3 High and Low, and page 19 of TECO's 2018 TYSP. Please explain how, with specificity, TECO develops its high and low population and number of customers forecasts.
6. Please refer to TECO's response to question 21 of staff's Supplemental Data Request #1. Why was TECO's Residential Load Management program ended during Summer 2016?
7. Please refer to both TECO's response to question 70, page 2 of 2, of staff's Supplemental Data Request #1, and the United States Energy Information Administration's (EIA) Annual Energy Outlook 2018, Natural Gas Supply, Disposition, and Prices table, Reference Case, which can be located at the following web address: <https://www.eia.gov/outlooks/aeo/data/browser/#/?id=13-EO2018&cases=ref2018&sourcekey=0>. For 2018, TECO has forecasted a natural gas price of \$4.14 per MMBTU (nominal). The EIA's 2018 forecasted price for natural gas at the Henry Hub (spot) is \$3.13 per MMBTU (nominal). While staff understands delivery costs account for a portion of the difference, please discuss other possible factors which may be leading to the difference between TECO's price forecast and the EIA's price forecast.

8. Please provide a comparison of TECO's 2017 and 2018 TYSPs, identifying any notable differences.

9. Has TECO taken solar capacity degradation into account in its planning process? If so, please explain how degraded capacity values are calculated, what assumptions are required for calculating degraded capacity values, if solar degradation is taken into account in TECO's cost-effectiveness evaluations, and what causes solar capacity degradation. If not, why not?