

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: July 17, 2014
TO: Carlotta S. Stauffer, Commission Clerk, Office of Commission Clerk
FROM: Clayton Lewis, US Engineering Systems Specialist *CKL*
RE: DN 140122-EI - Petition to modify transmission structure inspection cycle, by Tampa Electric Company.

Please file Staff's Data Request dated July 17, 2014 in the above mentioned docket file.

Thank you.

COMMISSIONERS:
ART GRAHAM, CHAIRMAN
LISA POLAK EDGAR
RONALD A. BRISÉ
EDUARDO E. BALBIS
JULIE I. BROWN

STATE OF FLORIDA



OFFICE OF THE GENERAL COUNSEL
S. CURTIS KISER
GENERAL COUNSEL
(850) 413-6199

Public Service Commission

July 17, 2014

Mr. James Beasley
Ausley & McMullen
P.O. Box 391
Tallahassee, FL 32302

Re: Docket No. 140122-EI - Petition to modify transmission structure inspection cycle, by Tampa Electric Company.

Dear Mr. Beasley:

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

1. In Paragraph 6, on Pages 2-3, TECO discusses its efforts to comply with the North American Reliability Corporation (NERC) inspection protocol.
 - a. Please describe the NERC inspection protocol.
 - b. When TECO conducted its assessment based on actual versus designed field conditions, what damage did TECO find and what repairs did TECO make?
 - c. Please provide an explanation and breakdown of the \$9 million in projected costs to comply with the NERC protocol.
2. In Paragraph 7 on Page 3, TECO asserts that since 2006 its transmission system performance had a consistent low impact on overall system reliability.
 - a. Has TECO's service area been affected by any hurricanes or other significant weather events since the 2004-2005 hurricane season?
 - b. If not, does TECO believe the improvements to its transmission system have been sufficiently tested to date? Please explain your response.

3. In Paragraph 7 on Page 3, TECO indicates service interruptions were minimal from 2006 through 2013 and Exhibit B shows a total of 65 transmission service interruptions during the period. Please describe the cause of each transmission service interruption, the effected repair, and the duration of the service interruption from 2006 to 2013?

4. In Paragraph 8 on Page 3, TECO states that its strong reliability performance during the previous six-year cycle is due to the multi-pronged inspection the company applied to the system.

- a. Is TECO's multi-pronged inspection an ongoing process?
- b. Does the multi-pronged inspection approach include all of the Ten Initiatives reflected in Order No. PSC-06-0781-PAS-EI?
- c. Does the multi-pronged inspection approach include any initiatives not reflected in Order No. PSC-06-0781-PAS-EI? If so, please describe the additional initiatives.
- d. Exhibit B indicates a significant drop in outages caused by equipment failures from 2006 through 2013. If TECO modifies its inspection cycle to eight-years, does TECO expect to maintain its SAIDI performance? Please explain your response.
- e. In addition to a decreased SAIDI, what was the overall effect on MAIFI for 2006 through 2013?
- f. Under the current inspection cycle, how many transmission inspections are performed annually? If an eight-year cycle is granted, how many transmission inspections would be performed annually?

5. In Paragraph 11 on Page 4, TECO states the adoption of an eight-year transmission structure inspection cycle will save \$108,000 annually and these savings will be used to optimize the State Estimator model in TECO's Energy Management system.

- a. Please describe the State Estimator model and how the "optimized" model will be used?
- b. How did TECO calculate the \$108,000 annual savings? Please provide any work papers that support the calculation.
- c. If the modification of the six-year cycle is granted, please identify the benefits to TECO's customers.

6. In Paragraph 14 on Page 5, TECO asserts that aligning the above ground transmission structure and ground line inspections to the same eight-year inspection cycle will provide efficiency gains in the overall inspection scheduling process as well as data integration. Please identify specifically the efficiencies that would be gained.

Mr. Beasley
July 17, 2014
Page 3

Please file the original and five copies of the requested information by Thursday, August 7, 2014, with Carlotta Stauffer, Commission Clerk, Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida, 32399-0850. Please feel free to call me at (850) 413-6187, if you have any questions.

Sincerely,



Martha Brown
Senior Attorney

MB:ckl:pz

cc: Office of Commission Clerk (Docket File)
Division of Engineering (Lewis, King)