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December 16, 2015

**VIA: ELECTRONIC FILING**

Ms. Carlotta Stauffer, Director  
Division of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850

Re: Tampa Electric Company Non-Firm Electric Service – 2016 Assessment of Need

Dear Ms. Stauffer:

In accordance with Rule 25-6.0438, Florida Administrative Code, regarding non-firm electric service, attached for filing in the above-styled matter is Tampa Electric Company's January 1, 2016 revision to its July 1, 2015 assessment of need for additional interruptible load during calendar year 2016.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/pp  
Attachment

**TAMPA ELECTRIC COMPANY  
NON-FIRM ELECTRIC SERVICE  
2016 ASSESSMENT OF NEED**

In accordance with Tampa Electric Company's Rate Schedule GSLM-2 and GSLM-3, the following is the January 1, 2016 revision to the July 1, 2015 assessment of need for additional interruptible load during calendar year 2016.

1. Tampa Electric Company's tariff requires that the Company complete an assessment twice each year by January 1 and July 1 regarding the need for additional non-firm electric service during the following calendar year. The Company's tariff provision regarding assessment of need was approved on December 4, 1985. Subsequent to that date, the Commission adopted Florida Administrative Code Rule 25-6.0438 to define the character and various types of non-firm electric service to require a procedure for determining a utility's maximum level of non-firm load; and to establish other minimum terms and conditions for the provision of non-firm electric service.
2. Tampa Electric submitted a revised assessment of need procedure in Docket No. 870408-EI, which takes into account the various provisions of Rule 25-6.0438. The Commission approved the Company's proposal in November 1989.
3. Tampa Electric submits that its current assessment of need procedure in Docket No. 870408-EI, in addition to accomplishing the same intent as the procedure approved in Docket No. 850050-EI, Order No. 15451, fully comports with the Commission's intent expressed in Rule 25-6.0438. Moreover, the revised assessment used the assumptions and planning criteria in place for Tampa Electric's 2015 Customer, Demand & Energy Forecast and the Generation, Fuel, & Interchange Forecast adjusted for wholesale sales. Under the application of the methodology described in Docket No. 870408-EI, an additional 89.4 MW of non-firm load under Rate Schedule GSLM-2 and GSLM-3 will be allowed during 2016.
4. The estimated maximum levels of non-firm load on the Tampa Electric system for the month of January, 2016 are as follows:

Load Management	148.0 MW
Available Interruptible Load under GSLM 2 and GSLM 3	89.4 MW
Existing Interruptible Load under GSLM 2 and GSLM 3	<u>107.0 MW</u>
TOTAL:	344.4 MW

5. Attached hereto is a document entitled *Target Interruptible Load Worksheet* which was developed based on Tampa Electric's proposal in Docket No. 870408-EI. As this document indicates, 89.4 MW of non-firm electric service in the form of interruptible load can be offered during 2016.

### TARGET INTERRUPTIBLE LOAD WORKSHEET

1.	TARGET INTERRUPTIBLE BEGINNING	2016	107	MW
2.	TARGET INTERRUPTIBLE FOR THE YEAR	2020	465	MW
3.	ANNUAL INTERRUPTIBLE INCREMENT	465 - 107 (Over 4 Years)	89.4	MW
4.	TARGET INTERRUPTIBLE ENDING	2020	465	MW

**TARGET INTERRUPTIBLE LOAD WORKSHEET  
FIRM LOAD RESERVE MARGIN WORKSHEET  
(WITH COMMITTED CAPACITY ONLY)**

	(1)	(2)	(3)	(4)	(5)	(6)
YEAR	TOTAL INSTALLED CAPACITY (MW)	FIRM CAPACITY INTERCHANGE (MW)	COGENERATION (MW)	TOTAL CAPACITY (MW)	FIRM LOAD ANNUAL PEAK DEMAND (MW)	RESERVE MARGIN (%)
2016 -17	5,191	106	0	5,297	3,986	33
2017 -18	5,191	106	0	5,297	4,041	31
2018 -19	5,191	0	0	5,191	4,100	27
2019 -20	5,191	0	0	5,191	4,160	25
2020 -21	5,191	0	0	5,191	4,217	23

Column (1) Total installed capacity includes committed capacity and scheduled maintenance.

Column (2) Firm capacity interchange is the net of capacity import and exports. Capacity import includes a firm purchase power agreement (PPA) with Calpine of 117 MW through 2016 and Quantum Pasco Power of 121 MW through 2018.

Column (3) The cogeneration column accounts for cogeneration that will be purchased under firm contracts.

Column (5) The firm load annual peak demand is firm system peak demand. Firm system peak demand includes firm retail and firm wholesale demand (PR, etc.). Firm demand values are based on the current load forecast.

Column (6) The reserve margin is after maintenance and is a winter firm peak reserve margin.

Note: Values shown may be affected due to rounding.

## TARGET INTERRUPTIBLE LOAD WORKSHEET

(1)                      (2)                      (3)                      (4)                      (5)                      (6)                      (7)                      (8)                      (9)

YEAR	FIRM LOAD ANNUAL PEAK DEMAND (MW)	INTER- RUPTIBLE LOAD (MW)	LOAD MANAGE- MENT (MW)	TARGET NON-FIRM LOAD (MW)	ADJUSTED FIRM LOAD (MW)	ADJUSTED FIRM RESERVE (%)	TARGET INTER- RUPTIBLE (MW)	INCREMENTAL INTER- RUPTIBLE AVAILABLE (MW)
2016 -17	3,986	107	148				107	89.4
2017 -18	4,041	108	144				196	89.4
2018 -19	4,100	109	140				286	89.4
2019 -20	4,160	109	136				375	89.4
2020 -21	4,217	109	133	597	3,862	34	465	89.4

Column (2)      The firm load annual peak demand is firm system peak demand. Firm system peak demand contains firm retail and firm wholesale demand. Firm demand values are based on the current load forecast.

Column (7)      The adjusted firm reserve is a winter firm peak reserve margin.

Note: Values shown may be affected due to rounding.