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December 30, 2010

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Ms. Ann Cole, 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 – 2011 Assessment of Need

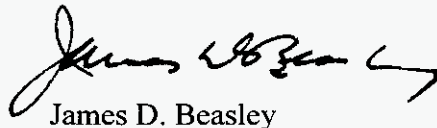
Dear Ms. Cole:

In accordance with Rule 25-6.0438, Florida Administrative Code, regarding non-firm electric service, enclosed are the original and fifteen (15) copies of Tampa Electric Company's January 1, 2011 revision to the July 1, 2010 assessment of need for additional interruptible load during calendar year 2010.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

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Enclosure

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**TAMPA ELECTRIC COMPANY
NON-FIRM ELECTRIC SERVICE
2011 ASSESSMENT OF NEED**

In accordance with Tampa Electric Company's Rate Schedule GSLM-2, the following is the January 1, 2011 revision to the July 1, 2010 assessment of need for additional interruptible load during calendar year 2011.

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 2010 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, non-firm load under Rate Schedule GSLM-2 will have 56.0 MW of non-firm service during 2011.
4. The estimated levels of non-firm load on the Tampa Electric system for the month of January, 2011 are as follows:

| | |
|--------------------|-----------------|
| Load Management | 205.0 MW |
| GSLM 2 | 56.0 MW |
| Interruptible Load | <u>142.0 MW</u> |
| TOTAL: | 403.0 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, 56.0 MW of non-firm electric service in the form of interruptible load can be offered during 2011.

TARGET INTERRUPTIBLE LOAD WORKSHEET

| | | | | |
|----|-----------------------------------|-----------------------------|------|----|
| 1. | TARGET INTERRUPTIBLE BEGINNING | 2011 | 142 | MW |
| 2. | TARGET INTERRUPTIBLE FOR THE YEAR | 2015 | 365 | MW |
| 3. | ANNUAL INTERRUPTIBLE INCREMENT | 365 - 142 (Over 4 Years) | 56.0 | MW |
| 4. | TARGET INTERRUPTIBLE ENDING | 2015 | 365 | 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 (%) |
| 2011 | 4,719 | 720 | 23 | 5,462 | 3,924 | 39 |
| 2012 | 4,729 | 121 | 23 | 4,873 | 3,940 | 24 |
| 2013 | 4,973 | 121 | 23 | 5,117 | 3,964 | 29 |
| 2014 | 5,034 | 121 | 23 | 5,178 | 3,994 | 30 |
| 2015 | 5,034 | 121 | 0 | 5,155 | 4,025 | 28 |

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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 firm purchase power agreements (PPA) with Invenergy of 441 MW through 2012, Calpine of 170 MW through April 2011, Reliant of 158 MW through May 2012, and Pasco Cogen 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.

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) |
| 2011 | 3,924 | 142 | 205 | | | | 142 | 56.0 |
| 2012 | 3,940 | 142 | 211 | | | | 198 | 56.0 |
| 2013 | 3,964 | 143 | 217 | | | | 254 | 56.0 |
| 2014 | 3,994 | 143 | 223 | | | | 309 | 56.0 |
| 2015 | 4,025 | 143 | 228 | 593 | 3,803 | 36 | 365 | |

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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.