

# AUSLEY & MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

227 SOUTH CALHOUN STREET  
P.O. BOX 391 (ZIP 32302)  
TALLAHASSEE, FLORIDA 32301  
(850) 224-9115 FAX (850) 222-7560

January 5, 2009

HAND DELIVERED

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

090000-0T

Re: Tampa Electric Company Non-Firm Electric Service – 2009 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, 2009 revision to its July 1, 2008 assessment of need for additional interruptible load during calendar year 2009.

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

COM \_\_\_\_\_  
ECR 2 \_\_\_\_\_  
GCL \_\_\_\_\_  
OPC \_\_\_\_\_  
RCP \_\_\_\_\_  
SSC \_\_\_\_\_  
SGA \_\_\_\_\_  
ADM \_\_\_\_\_  
CLK \_\_\_\_\_

COMMISSION  
CLERK  
09 JAN -5 PM 2:39  
RECEIVED-FPSC

DOCUMENT NUMBER-DATE  
00063 JAN-5-09  
FPSC-COMMISSION CLERK

**TAMPA ELECTRIC COMPANY  
NON-FIRM ELECTRIC SERVICE  
2009 ASSESSMENT OF NEED**

In accordance with Tampa Electric Company's Rate Schedule GSLM-2, the following is the January 1, 2009 revision to the July 1, 2008 assessment of need for additional interruptible load during calendar year 2009.

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 2008 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 86.3 MW of non-firm service during 2009.
4. The estimated levels of non-firm load on the Tampa Electric system for the month of January, 2009 are as follows:

|                    |                 |
|--------------------|-----------------|
| Load Management    | 166.0 MW        |
| GSLM 2             | 86.3 MW         |
| Interruptible Load | <u>172.0 MW</u> |
| TOTAL:             | 424.3 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, 86.3MW of non-firm electric service in the form of interruptible load can be offered during 2009.

### TARGET INTERRUPTIBLE LOAD WORKSHEET

|    |                                    |       |   |        |         |
|----|------------------------------------|-------|---|--------|---------|
| 1. | TARGET INTERRUPTIBLE BEGINNING FOR | 2009  |   | 172    | MW      |
| 2. | TARGET INTERRUPTIBLE FOR THE YEAR  | 2013  |   | 517    | MW      |
| 3. | ANNUAL INTERRUPTIBLE INCREMENT     | 517   | - | 172    | 86.3 MW |
|    |                                    | (Over | 4 | Years) |         |
| 4. | TARGET INTERRUPTIBLE ENDING FOR    | 2013  |   | 517    | MW      |

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

| (1)  | (2)                                    | (3)                                     | (4)                  | (5)                       | (6)  |                          |
|------|--|---|----------------------|---------------------------|--|--------------------------|
| YEAR | TOTAL<br>INSTALLED<br>CAPACITY<br>(MW) | FIRM<br>CAPACITY<br>INTERCHANGE<br>(MW) | COGENERATION<br>(MW) | TOTAL<br>CAPACITY<br>(MW) | FIRM LOAD<br>ANNUAL<br>PEAK DEMAND<br>(MW) | RESERVE<br>MARGIN<br>(%) |
| 2009 | 4,397                                  | 1,026                                   | 64                   | 5,487                     | 4,548                                      | 21                       |
| 2010 | 4,802                                  | 1,026                                   | 32                   | 5,860                     | 4,664                                      | 26                       |
| 2011 | 4,802                                  | 1,026                                   | 23                   | 5,851                     | 4,717                                      | 24                       |
| 2012 | 5,762                                  | 427                                     | 23                   | 6,212                     | 4,833                                      | 29                       |
| 2013 | 5,762                                  | 427                                     | 23                   | 6,212                     | 4,953                                      | 25                       |

3

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 imports for 2009 through 2012 includes a firm purchase power agreement with Invenergy of 441 MW and a Calpine purchase of 170 MW through November 2011. Unspecified purchased power of 155 MW is expected to be needed for the installation of the Selective Catalytic Reduction (SCR) equipment on Big Bend 2 in 2009, and a purchase of 170 MW for Big Bend 1 in 2010. Pasco Cogen purchase of 115 MW from 2009 through 2018. Unspecified purchase power of 180 MW in the winter of 2012 through 2016.

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<br>ANNUAL<br>PEAK DEMAND<br>(MW) | INTER-<br>RUPTIBLE<br>LOAD<br>(MW) | LOAD<br>MANAGE-<br>MENT<br>(MW) | TARGET<br>NON-FIRM<br>LOAD<br>(MW) | ADJUSTED<br>FIRM<br>LOAD<br>(MW) | ADJUSTED<br>FIRM<br>RESERVE<br>(%) | TARGET<br>INTER-<br>RUPTIBLE<br>(MW) | INCREMENTAL<br>INTER-<br>RUPTIBLE<br>AVAILABLE<br>(MW) |
| 2009 | 4,548                                      | 172                                | 166                             |                                    |                                  |                                    | 172                                  | 86.3   |
| 2010 | 4,664                                      | 172                                | 172                             |                                    |                                  |                                    | 259                                  | 86.3   |
| 2011 | 4,717                                      | 172                                | 180                             |                                    |                                  |                                    | 345                                  | 86.3   |
| 2012 | 4,833                                      | 172                                | 188                             |                                    |                                  |                                    | 431                                  | 86.3   |
| 2013 | 4,953                                      | 172                                | 197                             | 715                                | 4,608                            | 35                                 | 517                                  |  |

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.