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COMMISSION  
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January 2, 2008

HAND DELIVERED

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

C80000-0T

Re: Tampa Electric Company Non-Firm Electric Service – 2008 Assessment of Need

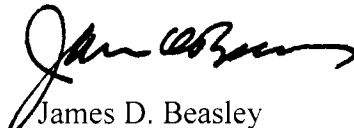
Dear Ms. Cole:

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, 2008 revision to its July 1, 2007 assessment of need for additional interruptible load during calendar year 2008.

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

CMP \_\_\_\_\_

COM \_\_\_\_\_

CTR \_\_\_\_\_

ECR \_\_\_\_\_

GCL 2

OPC \_\_\_\_\_

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JDB/pp

Enclosure

SCR \_\_\_\_\_

SGA \_\_\_\_\_

SEC \_\_\_\_\_

OTH \_\_\_\_\_

DOCUMENT NUMBER-DATE

00022 JAN-2 8

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**TAMPA ELECTRIC COMPANY  
NON-FIRM ELECTRIC SERVICE  
2008 ASSESSMENT OF NEED**

In accordance with Tampa Electric Company's Rate Schedule GSLM-2, the following is the January 1, 2008 revision to the July 1, 2007 assessment of need for additional interruptible load during calendar year 2008.

- 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 2007 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 100.5 MW of non-firm service during 2008.
- 4. The estimated levels of non-firm load on the Tampa Electric system for the month of January, 2008 are as follows:

Load Management	147.0 MW
GSLM 2	100.5 MW
Interruptible Load	<u>160.0 MW</u>
 TOTAL:	 407.5 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, 100.5 MW of non-firm electric service in the form of interruptible load can be offered during 2008.

DOCUMENT NUMBER - DATE  
00022 JAN-28  
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### TARGET INTERRUPTIBLE LOAD WORKSHEET

1.	TARGET INTERRUPTIBLE BEGINNING FOR	2008		160	MW
2.	TARGET INTERRUPTIBLE FOR THE YEAR	2012		562	MW
3.	ANNUAL INTERRUPTIBLE INCREMENT	562	- 160	100.5	MW
		(Over 4	Years)		
4.	TARGET INTERRUPTIBLE ENDING FOR	2012		562	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 (%)
2008	4,285	1,049	65	5,399	4,496	20
2009	4,426	1,064	65	5,555	4,628	20
2010	4,827	894	42	5,763	4,756	21
2011	4,827	1,074	23	5,924	4,817	23
2012	5,457	637	23	6,117	4,941	24

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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 imports for 2008 through 2012 includes a firm purchase power agreement with Invernergy of 441 MW and a Calpine purchase of 170 MW through November 2011. Unspecified purchased power of 135 MW is expected to be needed for the installation of the Selective Catalytic Reduction (SCR) equipment on Big Bend 3 in 2008, a purchase of 155 MW in 2009 for Big Bend 2 and a purchase of 170 MW for Big Bend 1 in 2010. Pasco Cogen purchase of 115 MW from 2009 through 2018. TEC has issued a Request for Proposal(RFP) for peaking power from 2008 through 2012 for 168 MW in the winter. Unspecified purchase power of 180 MW is 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 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)
2008	4,496	160	147				160	100.5
2009	4,628	160	145				261	100.5
2010	4,756	160	144				361	100.5
2011	4,817	160	143				462	100.5
2012	4,941	160	142	704	4,539	35	562	

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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.