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January 3, 2005

HAND DELIVERED

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

Re: Tampa Electric Company Non-Firm Electric Service – 2005 Assessment of Need

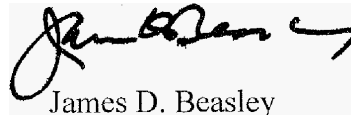
Dear Ms. Bayo:

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, 2005 revision to its July 1, 2004 assessment of need for additional interruptible load during calendar year 2005.

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

JDB/pp  
Enclosure

DOCUMENT NUMBER-DATE  
00023 JAN-3 05  
FPSC-COMMISSION CLERK

**TAMPA ELECTRIC COMPANY  
NON-FIRM ELECTRIC SERVICE  
2005 ASSESSMENT OF NEED**

In accordance with Tampa Electric Company's Rate Schedule GSLM-2, the following is the January 1, 2005 revision to the July 1, 2004 assessment of need for additional interruptible load during calendar year 2005.

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 2005 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 58.0 MW of non-firm service during 2005.
4. The estimated levels of non-firm load on the Tampa Electric system for the month of January, 2005 are as follows:

Load Management	243.0 MW
GSLM 2	58.0 MW
Interruptible Load	<u>175.0 MW</u>
 TOTAL:	 476.0 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, 58.0 MW of non-firm electric service in the form of interruptible load can be offered during 2005.

## TARGET INTERRUPTIBLE LOAD WORKSHEET

1.	TARGET INTERRUPTIBLE BEGINNING FOR	2005		175	MW
2.	TARGET INTERRUPTIBLE FOR THE YEAR	2008		349	MW
3.	ANNUAL INTERRUPTIBLE INCREMENT	349	-	175	58.0 MW
		(Over	3	Years)	
4.	TARGET INTERRUPTIBLE ENDING FOR	2008		349	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 (%)
2005	4,421	449	63	4,933	3,978	24
2006	4,421	449	63	4,933	4,112	20
2007	4,421	629	63	5,113	4,248	20
2008	4,421	629	63	5,113	4,374	17

Column (1)

Bayside unit 1 received a capacity increase in February 2004 to 787 MW winter. Big Bend CT2 (80 MW winter) will be reactivated in January 2005 and Big Bend CT3 will be capable of full capacity (80 MW winter).

Column (2)

Firm capacity interchange is the net of capacity import and exports. Capacity imports for 2005 through 2008 includes a firm purchase power agreement with Hardee Power Partners of 449 MW winter. Capacity imports for 2005 through 2008 include an undetermined supplier for up to 180 MW winter beginning in May 2006.

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  
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 (%)
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- Column (1) Bayside unit 1 received a capacity increase in February 2004 to 787 MW winter. Big Bend CT2 (80 MW winter) will be reactivated in January 2005 and Big Bend CT3 will be capable of full capacity (80 MW winter).
- Column (2) Firm capacity interchange is the net of capacity import and exports. Capacity imports for 2005 through 2008 includes a firm purchase power agreement with Hardee Power Partners of 449 MW winter. Capacity imports for 2005 through 2008 include an undetermined supplier for up to 180 MW winter beginning in May 2006.
- 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)
2005	3,978	175	243				175	58.0
2006	4,112	150	244				233	58.0
2007	4,248	151	241				291	58.0
2008	4,374	150	239	588	4,175	22	349	58.0

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.

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