

# 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

FILED

January 26, 1998

980131-EI

HAND DELIVERED

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

Re: Tampa Electric Company's Petition for Approval of  
Emergency Relay Power Supply Service Option for General  
Service Customers


Dear Ms. Bayo:

Enclosed for filing in the above styled matter are the original and fifteen (15) copies of Tampa Electric Company's Petition.

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

- ACK \_\_\_\_\_
- AEA \_\_\_\_\_
- AFD \_\_\_\_\_
- CFE \_\_\_\_\_
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JDB/pp  
Enclosures

DOCUMENT NUMBER DATE  
61424 JAN 26 98  
FILED 8301 00464041 98

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for Approval )  
of Emergency Relay Power Supply) )  
Service Option for General )  
Service Customers )  
\_\_\_\_\_ )

DOCKET NO. ~~980134~~ 980131-EI  
FILED: January 26, 1998

PETITION

Tampa Electric Company, pursuant to Fla. Admin. Code Rule 25-9.004 ("Tampa Electric" or "the company") files this its Petition for Approval of Emergency Relay Power Supply Service Option for General Service Customers, and in support thereof states:

1. Tampa Electric is an investor-owned electric utility operating under the jurisdiction of this Commission and serving retail Customers in Hillsborough and portions of Polk, Pinellas and Pasco Counties. The company's principal offices are located at 702 North Franklin Street, Tampa, Florida 33602.

2. The persons to whom all notices and other documents should be sent in connection with this docket are:

Mr. Lee L. Willis  
Mr. James D. Beasley  
Ausley & McMullen  
Post Office Box 391  
Tallahassee, Florida 32302

Ms. Angela Llewellyn  
Regulatory Specialist  
Tampa Electric Company  
Post Office Box 111  
Tampa, Florida 33601

3. Emergency Relay Power Supply Service ("Relay Service") is a distribution reliability service which makes available a back-up distribution circuit to a customer who does not want to withstand a distribution related power outage for more than a few seconds. It is made available to customers on the various demand rates offered by the company. An automatic throwover switch is installed

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FPSC-RECORDS/REPORTING

between these two circuits and the customer's service entrance which senses any outage on the primary circuit and then switches the power source to the other circuit. A back-up circuit "trunk-line" connects the customer's back-up "tap-line" to the back-up distribution substation. The Relay Service customer buys into his load ratio share of the investment cost of the back-up trunk line by making a contribution in aid of construction (CIAC). The customer also makes a CIAC for the automatic throwover switch and the back-up tap line connecting the switch to the back-up trunk line. All CIAC fees apply to the customer or owner/operator of a multi-service facility who requests Relay Service for their facility.

4. Remaining non-CIAC costs related to Relay Service consist of three components which include: 1) the investment costs to support that portion of the back-up substation held in reserve; 2) the operation and maintenance expenses to support that same portion of the back-up substation; and 3) the operation and maintenance expenses to support that portion of the primary distribution trunk circuit held in reserve. These non-CIAC costs are currently recovered in an Emergency Relay Power Supply Charge ("Relay Charge") that is applied to the Relay Service customer based on their billing demand.

5. In this petition, Tampa Electric seeks approval of amendments related to offering a Relay Service option to qualifying

non-demand customers, specifically to those taking service under the GS and GST tariffs. The requested amendments are provided in standard format as Exhibit "A" to this petition. In addition, legislative format versions of the requested amendments are provided as Exhibit "B".

6. This addition of a Relay Service option to the GS and GST tariffs is being made in part to extend the service to a class of customers who might benefit from it but who currently are not offered the service under the tariffs. It is also being made to recognize situations wherein a mix of customer classes, demand and non-demand, reside within a single multi-serviced facility (i.e., a retail mall, a high-technology complex, et cetera) where the owner operator has requested Relay Service be provided for the entire multi-serviced facility. In such situations there is currently no easy way to apportion the tariff-based cost recovery for provision of Relay Service to non-demand Customers taking service within the facility. By adding to the GS and GST tariffs an energy-based charge, the service can be easily billed with existing metering.

7. Tariff language changes requested reflect the treatment of existing multi-serviced facilities where the owner/operator seeks Relay Service and there are existing tenants that would be affected. In such cases, the existing occupants may choose not to pay for Relay Service when it is supplied until the time comes for

their lease to be renewed. At that time they would be obligated, or the new tenant would be obligated, to pay the Relay Charge. Any unrecovered revenues during the interim period would be the responsibility of the owner/operator of the multi-serviced facility (see Sheet No. 5.180).

8. The changes reflecting the new energy charge are reflected on Sheet Nos. 6.050 and 6.320. The included new relay charges are calculated using the same cost support used to derive the current relay service charges from the last Tampa Electric rate case (Docket No. 920324-EI) except for the GS class and derived on an energy basis. This cost support is provided in Appendix C.

9. Additionally, in order to improve the usability of our tariff, Tampa Electric is in the process of changing the software and font that is used to produce the tariff sheets. This change combined with the addition of the relay charge information has resulted in the addition of two new pages, Sheet Nos. 5.181 and 6.322. Therefore, in conjunction with the changes requested regarding relay service, Tampa Electric is also seeking approval of the addition of these two new tariff sheets.

10. The tariff changes and the benefits to customers that they represent will enhance the service provided to GS and GST customers as well as the owner/operators of multi-serviced facilities without affecting the cost of service to Tampa Electric or Tampa Electric's other customers.

WHEREFORE, Tampa Electric requests that this Commission consent to the application of an Emergency Relay Power Supply Charge to GS and GST customers as set forth in Exhibit "A".

DATED this 26<sup>th</sup> day of January, 1998.

Respectfully submitted,



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LEE L. WILLIS  
JAMES D. BEASLEY  
Ausley & McMullen  
Post Office Box 391  
Tallahassee, FL 32302  
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

**EXHIBIT A**

Continued From Sheet No. 5.175

### **2.17 EMERGENCY RELAY POWER SUPPLY**

The Company will receive applications for emergency relay power supply service from existing and/or new customers and reserves the right to approve or disapprove each application based upon need, location, feasibility, availability and size of load.

After receiving approval, the Company may require that all costs of any duplication of additional facilities required by the customer in excess of the facilities normally furnished by the Company for a single source, single transformation, electric service installation, be charged to the customer making the request.

Customers requesting relay service through a single point of delivery to a multi-serviced facility, must ensure that all new occupants of the multi-serviced facility beyond the single point of delivery are aware of the obligation to pay charges associated with relay service. All existing occupants (i.e. occupants with leases predating the request for relay service to a multi-serviced facility) may choose not to pay the relay service charge at the time service is provided but must pay the charge upon renewal of the existing lease. Any unrecovered revenues related to the relay service charge will be billed to the customer requesting relay service for the multi-serviced facility.

Exceptions may be made by the Company when public safety is involved.

## **III. CUSTOMER SERVICES AND WIRING**

### **3.1 GENERAL REQUIREMENTS FOR CUSTOMER WIRING**

As previously stated, compliance of customer owned facilities with the requirements of the National Electrical Code will provide the customer with a safe installation, but not necessarily an efficient or convenient installation.

For this reason, the requirements for service listed herein may be in excess of those required by the National Electrical Code. Frequently, a larger service entrance, a higher point of attachment, more branch circuits, or types of service equipment that exceed code minimums are desirable. As a general convenience, every electrical

Continued To Sheet No. 5.181



Continued From Sheet No. 5.180

contractor should provide a stencil or tag with his name and address on the service switch of a customer's wiring system.

A neutral point of connection at the ownership line is provided by the Company for all three-phase four-wire and single-phase three-wire services. The neutral shall be extended from the ownership line to the customer's grounding system by the customer.

### **3.1.1 LOCATION OF SERVICE ENTRANCE WIRING**

As previously noted in Paragraph 2.6, Company approval of the point of attachment must be obtained before commencing work on service entrance wiring. The point of delivery shall be determined by the Company and will normally be on the building nearest the point at which the secondary electric supply is available to the property. If for the convenience of the Applicant, the Company is requested to agree on a different point of delivery, any additional costs shall be borne by the Applicant.

Continued To Sheet No. 5.190

**GENERAL SERVICE - NON DEMAND**

**SCHEDULE:** GS

**RATE CODE:** 200, 210, 920.

**AVAILABLE:** Entire service area.

**APPLICABLE:** For lighting and power in establishments not classed as residential whose highest measured 30-minute interval demand has not exceeded 49 KW for twelve (12) consecutive monthly billing periods, including the current billing period. Resale not permitted.

**CHARACTER OF SERVICE:** Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

**LIMITATION OF SERVICE:** All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

**MONTHLY RATE:**

**Customer Facilities Charge:**

Metered accounts	\$8.50
Unmetered accounts	\$7.50

**Energy and Demand Charge:**  
4.342¢ per KWH

**Fuel Charge:**

Fuel charges are adjusted biannually by the Florida Public Service Commission, normally in April and October. The current fuel charge included in this tariff is shown on Sheet No. 6.020.

**MINIMUM CHARGE:** The customer facilities charge.

Continued To Sheet No. 6.051

**TAMPA ELECTRIC COMPANY**

**EIGHTEENTH REVISED SHEET NO. 6.051  
CANCELS SEVENTEENTH REVISED SHEET NO. 6.051**

**Continued From Sheet No. 6.050**

**EMERGENCY RELAY POWER SUPPLY CHARGE:** The monthly charge for emergency relay power supply service shall be .18¢ per KWH of billing energy. This charge is in addition to the compensation the customer must make to the Company as contribution-in-aid of construction.

**FUEL CHARGE:** See Sheet No. 6.020.

**ENERGY CONSERVATION CHARGE:** See Sheet No. 6.020.

**CAPACITY CHARGE:** See Sheet No. 6.020 and 6.021.

**ENVIRONMENTAL COST RECOVERY CHARGE:** See Sheet No. 6.020 and 6.021.

**FLORIDA GROSS RECEIPTS TAX:** See sheet No. 6.021.

**FRANCHISE FEE CHARGE:** See Sheet No. 6.021.

**PAYMENT OF BILLS:** See Sheet No. 6.025.

**ISSUED BY: K. S. Surgenor, President**

**DATE EFFECTIVE:**

**TIME-OF-DAY  
GENERAL SERVICE - NON DEMAND  
(OPTIONAL)**

**SCHEDULE:** GST

**RATE CODE:** 202.

**AVAILABLE:** Entire service area.

**APPLICABLE:** For lighting and power in establishments not classed as residential whose highest measured 30-minute interval demand has not exceeded 49 KW for twelve (12) consecutive monthly billing periods, including the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. Resale not permitted.

**CHARACTER OF SERVICE:** Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

**LIMITATION OF SERVICE:** All service under this rate shall be furnished through one meter. Standby service permitted.

**MONTHLY RATE:**

Customer Facilities Charge:  
\$11.50

Energy and Demand Charge:  
11.460¢ per KWH during peak hours  
0.968¢ per KWH during off-peak hours

Fuel Charge:  
Fuel charges are adjusted biannually by the Florida Public Service Commission, normally in April and October. The current fuel charge included in this tariff is shown on Sheet No. 6.020.

Continued To Sheet No. 6.321



**Continued From Sheet No. 6.321**

**CAPACITY CHARGE: See Sheet No. 6.020 and 6.021.**

**ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet No. 6.020 and 6.021.**

**FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.**

**FRANCHISE FEE CHARGE: See Sheet No. 6.021.**

**PAYMENT OF BILLS: See Sheet No. 6.025.**

**EXHIBIT B**

Continued From Sheet No. 5.175

**2.17 EMERGENCY RELAY POWER SUPPLY**

The Company will receive applications for emergency relay power supply service from existing and/or ~~new~~ future customers and reserves the right to approve or disapprove each application based upon need, location, feasibility, availability and size of load.

After receiving approval, the Company may require that all costs of any duplication of additional facilities required by the customer in excess of the facilities normally furnished by the Company for a single source, single transformation, electric service installation, be charged to the customer making the request.

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Exceptions may be made by the Company when public safety is involved.

**III. CUSTOMER SERVICES AND WIRING****3.1 GENERAL REQUIREMENTS FOR CUSTOMER WIRING**

As previously stated, compliance of customer owned facilities with the requirements of the National Electrical Code will provide the customer with a safe installation, but not necessarily an efficient or convenient installation.

For this reason, the requirements for service listed herein may be in excess of those required by the National Electrical Code. Frequently, a larger service entrance, a higher point of attachment, more branch circuits, or types of service equipment that exceed code minimums are desirable. As a general convenience, every electrical

Continued To Sheet No. 5.181



**Continued From Sheet No. 5.180**

**contractor should provide a stencil or tag with his name and address on the service switch of a customer's wiring system.**

**A neutral point of connection at the ownership line is provided by the Company for all three-phase four-wire and single-phase three-wire services. The neutral shall be extended from the ownership line to the customer's grounding system by the customer.**

### **3.1.1 LOCATION OF SERVICE ENTRANCE WIRING**

**As previously noted in Paragraph 2.6, Company approval of the point of attachment must be obtained before commencing work on service entrance wiring. The point of delivery shall be determined by the Company and will normally be on the building nearest the point at which the secondary electric supply is available to the property. If for the convenience of the Applicant, the Company is requested to agree on a different point of delivery, any additional costs shall be borne by the Applicant.**

**Continued To Sheet No. 5.190**

**ISSUED BY: K. S. Surgenor, President**

**DATE EFFECTIVE:**

TAMPA ELECTRIC COMPANY

~~FOURTEENTH~~ THIRTEENTH REVISED SHEET NO. 6.050  
CANCELS ~~THIRTEENTH~~ REVISED SHEET NO. 6.050  
~~TWELFTH~~

**GENERAL SERVICE - NON DEMAND**

**SCHEDULE:** GS

**RATE CODE:** 200, 210, 920.

**AVAILABLE:** Entire service area.

**APPLICABLE:** For lighting and power in establishments not classed as residential whose highest measured 30-minute interval demand has not exceeded 49 KW for twelve (12) consecutive monthly billing periods, including the current billing period. Resale not permitted.

**CHARACTER OF SERVICE:** Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

**LIMITATION OF SERVICE:** All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

**MONTHLY RATE:**

**Customer Facilities Charge:**

Metered accounts	\$8.50
Unmetered accounts	\$7.50

**Energy and Demand Charge:**

4.342¢ per KWH

**Fuel Charge:**

Fuel charges are adjusted biannually by the Florida Public Service Commission, normally in April and October. The current fuel charge included in this tariff is shown on Sheet No. 6.020.

**MINIMUM CHARGE:** The customer facilities charge.

Continued to Sheet No. 6.051

**ISSUED BY:** ~~K. S. Surgenor~~ G. F. Anderson,  
President

**DATE EFFECTIVE:** January 3, 1994

**TAMPA ELECTRIC COMPANY** ~~EIGHTEENTH~~ SEVENTEENTH REVISED SHEET NO. 6.051  
CANCELS ~~SEVENTEENTH~~ REVISED SHEET NO. 6.051  
SIXTEENTH

~~Continued From Sheet No. 6.050~~

~~EMERGENCY REPAIR SERVICE CHARGE: In an emergency, charges for emergency repair  
of power lines, equipment, or other facilities owned or controlled by the Company, in addition  
to the normal cost of labor and material, shall be the Company's responsibility and shall be  
considered.~~

~~FUEL CHARGE: See Sheet No. 6.020.~~

ENERGY CONSERVATION CHARGE: See Sheet No. 6.020.

CAPACITY CHARGE: See Sheet No. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet No. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.025.

ISSUED BY: K. S. Surgenor, President

DATE EFFECTIVE: October 1, 1996

TAMPA ELECTRIC COMPANY

~~FOURTEENTH~~ THIRTEENTH REVISED SHEET NO. 6.320  
CANCELS ~~THIRTEENTH~~ REVISED SHEET NO. 6.320  
TWELFTH

**TIME-OF-DAY  
GENERAL SERVICE - NON DEMAND  
(OPTIONAL)**

**SCHEDULE:** GST

**RATE CODE:** 202.

**AVAILABLE:** Entire service area.

**APPLICABLE:** For lighting and power in establishments not classed as residential whose highest measured 30-minute interval demand has not exceeded 49 KW for twelve (12) consecutive monthly billing periods, including the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. Resale not permitted.

**CHARACTER OF SERVICE:** Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

**LIMITATION OF SERVICE:** All service under this rate shall be furnished through one meter. Standby service permitted.

**MONTHLY RATE:**

Customer Facilities Charge:  
\$11.50

Energy and Demand Charge:  
11.460¢ per KWH during peak hours  
0.968¢ per KWH during off-peak hours

Fuel Charge:  
Fuel charges are adjusted biannually by the Florida Public Service Commission, normally in April and October. The current fuel charge included in this tariff is shown on Sheet No. 6.020.

Continued To Sheet No. 6.321

ISSUED BY: K. S. Surgenor, G.F. Anderson  
President

DATE EFFECTIVE: January 3, 1994

Continued From Sheet No. 6.320

**DEFINITIONS OF THE USE PERIODS:** All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	<b>April 1 - October 31</b>	<b>November 1 - March 31</b>
<b>Peak Hours:</b>	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM
<b>(Monday-Friday)</b>		and
		6:00 PM - 10:00 PM

**Off-Peak Hours:** All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

**MINIMUM CHARGE:** The customer facilities charge.

**CUSTOMER FACILITIES CHARGE CREDIT:** Any customer who makes a one time contribution in aid of construction of \$175.00 (lump-sum meter payment), shall receive a credit of \$3.00 per month. This contribution in aid of construction will be subject to a partial refund if the customer terminates service on this optional time-of-day rate.

**TERMS OF SERVICE:** A customer electing this optional rate shall have the right to transfer to the standard applicable rate at any time without additional charge for such transaction, except that any customer who requests this optional rate for the second time on the same premises will be required to sign a contract to remain on this rate for at least one (1) year.

**EMERGENCY RELAY POWER SUPPLY CHARGE:** The monthly charge for emergency relay power supply service shall be .18¢ per KWH of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

**FUEL CHARGE:** See Sheet No. 6.020.

**ENERGY CONSERVATION CHARGE:** See Sheet No. 6.020.

Continued To Sheet No. 6.322

**Continued From Sheet No. 6.321**

**CAPACITY CHARGE: See Sheet No. 6.020 and 6.021.**

**ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet No. 6.020 and 6.021.**

**FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.**

**FRANCHISE FEE CHARGE: See Sheet No. 6.021.**

**PAYMENT OF BILLS: See Sheet No. 6.025.**

**ISSUED BY: K. S. Surgenor, President**

**DATE EFFECTIVE:**

**EXHIBIT C**

**PRIMARY LINE PLANT ALLOCATION BETWEEN TRUNK AND OTHER <sup>1</sup>**

(A)	(B)	(C)	(D)	(E) (B)/(C)	(F) (E)(B)
Cost Function	Plant \$(000)	Trunk %	Notes	Trunk Portion \$(000)	Weighted Trunk %
Overhead					
Poles	5880	28.22%	A/	1503	
Lines	7842	40.19%	B/	3071	
Subtotal	13802			4574	
Underground					
Conduit	5634	9.17%	C/	517	
Lines	7266	23.06%	D/	1675	
Subtotal	12900			2192	
Grand Total	28502			6766	25.53%

NOTES: A/ OH Trunk Conductor Feet to Total OH PRI Conductor Feet  
 B/ OH Trunk Embedded Cost to Total OH Embedded Cost  
 C/ UG Trunk Conductor Feet to Total UG PRI Conductor Feet  
 D/ UG Trunk Embedded UG Cost to Total UG Embedded Costs

**CALCULATION OF TRUNK PORTION \$/KW**

Rate Case Cost Support <sup>1</sup>	Plant	O&M
PRI Line Total \$/KW	1.18	0.47
Weighted Trunk %	25.53%	25.53%
Trunk Line \$/KW	0.30	0.12
GS Class Cost Support <sup>2</sup>	Plant	O&M
PRI Line Total \$/KW	0.00464	0.00170
Weighted Trunk %	25.53%	25.53%
Trunk Line \$/KW	0.00118	0.00043

**CALCULATION OF RELAY SERVICE CHARGE**

Rate Case Cost Support <sup>1</sup>	\$/KW
Substation Plant	0.40
Substation O&M	0.09
Primary Trunk Line O&M	0.12
Total	0.61
GS Class Cost Support <sup>2</sup>	\$/KWH
Substation Plant	0.00112
Substation O&M	0.00032
Primary Trunk Line O&M	0.00043
Total	0.00188

<sup>1</sup> These calculations were provided to the PSC as cost support for the current Emergency Relay Charge as approved in the last Tampa Electric Rate Case (Docket No. 90324-EI).

<sup>2</sup> These calculations use the same methodology and cost of service reports from Docket No. 90324-EI, but have been applied to the GS class of service.