

130019-E1

# AUSLEY & MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

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January 11, 2013

HAND DELIVERED

RECEIVED-FPSC  
13 JAN 11 AM 11:40  
COMMISSION  
CLERK

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

Re: Petition of Tampa Electric Company for Approval of Revised Lighting Tariff

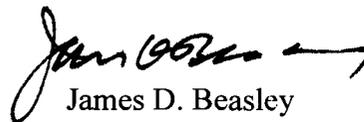
Dear Ms. Cole:

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

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

COM \_\_\_\_\_  
AFD \_\_\_\_\_  
APA \_\_\_\_\_  
ECO \_\_\_\_\_  
ENG 1 \_\_\_\_\_  
GCL 1 \_\_\_\_\_  
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DOCUMENT NUMBER-DATE  
00228 JAN 11 2  
FPSC-COMMISSION CLERK

**BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

In re: Petition of Tampa Electric Company )  
for Approval of Revised Lighting Tariff. )  
\_\_\_\_\_ )

DOCKET NO. 130019-E1

FILED: January 11, 2013

**PETITION**

Tampa Electric Company (“Tampa Electric” or “the company”), pursuant to Chapter 366.06, Florida Statutes, Rules 28-106.301 and 25-9.031, Florida Administrative Code, files this its Petition for Approval of Revised Lighting Tariff, 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:

James D. Beasley  
J. Jeffry Wahlen  
Ausley & McMullen  
Post Office Box 391  
Tallahassee, Florida 32302  
(850) 224-9115  
(850) 222-7560 (fax)

Paula Brown  
Manager, Regulatory Coordination  
Tampa Electric Company  
Post Office Box 111  
Tampa, Florida 33601  
(813) 228-1444  
(813) 228-1770 (fax)

3. In this petition, Tampa Electric seeks approval of the eight light-emitting diode (LED) outdoor lighting fixtures in Original Sheet No. 6.806, attached hereto in standard and legislative format as Exhibit “A” and Exhibit “B”, respectively.

**Background**

4. Tampa Electric began its investigation into energy efficient LED outdoor lighting approximately five years ago when the LED technology was beginning to expand into outdoor lighting applications. At that time LED fixtures were extremely expensive, costing as much as ten times more than equivalent high pressure sodium fixtures which are currently the company’s

DOCUMENT NUMBER-DATE  
00228 JAN 11 2013

FPSC-COMMISSION CLERK

most energy efficient lighting options. Also, there were no Illuminating Engineering Society (IES) standards with which manufacturers of LED fixtures had to comply and no track records for reliability or operation and maintenance costs of the fixtures. The company was advised by manufacturers at that time that it would be realistically five to eight years before the technology would be feasible as a utility offering.

5. Approximately three years ago, Tampa Electric installed several manufacturers' LED fixtures at company facilities and began evaluating them for reliability, photometry, maintenance requirements and cost. There have been significant improvements in the technology over this relatively short period of time, particularly in equipment uniformity and cost reduction. The company is now prepared to offer LED lighting service to customers under its lighting tariff and has identified several LED fixtures that satisfy the company's performance expectations.

#### **Requested Revisions**

6. Tampa Electric is requesting approval for eight energy-efficient LED lighting fixtures to be used for roadway and outdoor area lighting under its Rate Schedule LS-1. The proposed fixtures will be available in three styles and multiple wattages. The LED options are approximately 50% more efficient than equivalent metal halide lighting options currently offered under Rate Schedule LS-1, which should enable them to compete well with the existing options.

7. The proposed fixture and maintenance rates are designed to take into account cost of service and other recognized ratemaking criteria.

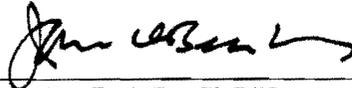
8. Tampa Electric knows of no disputed issues of material fact relative to the lighting tariff revisions proposed herein.

**WHEREFORE**, Tampa Electric requests that this Commission approve the LED lighting fixtures on Tariff Sheet No. 6.806 set forth in Exhibit "A". The company requests that

such approval be made effective at the expiration of the appropriate notice period pertaining to tariff modifications.

DATED this 11<sup>th</sup> day of January, 2013.

Respectfully submitted,



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JAMES D. BEASLEY  
J. JEFFRY WAHLEN  
Ausley & McMullen  
Post Office Box 391  
Tallahassee, FL 32302  
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

**EXHIBIT A**



Continued from Sheet No. 6.805

**MONTHLY RATE:**

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit (\$)			
			Initial Lumens <sup>(2)</sup>	Lamp Wattage <sup>(3)</sup>	kWh		Fixture	Maint.	Non-Fuel Base Energy	
Dusk to Dawn	Timed Svc.				Dusk to Dawn	Timed Svc.				
704	724	Cobra	29,700	350	138	69	6.80	4.50	3.40	1.70
520	522	Cobra <sup>(1)</sup>	32,000	400	159	79	5.44	3.62	3.91	1.94
705	725	Flood	29,700	350	138	69	7.72	4.55	3.40	1.70
556	541	Flood <sup>(1)</sup>	32,000	400	159	79	7.55	3.63	3.91	1.94
558	578	Flood	107,800	1,000	383	191	9.48	7.37	9.43	4.70
701	721	General PT	12,000	150	67	34	9.57	3.54	1.65	0.84
574	548	General PT <sup>(1)</sup>	14,400	175	74	37	9.83	3.37	1.82	0.91
700	720	Salem PT	12,000	150	67	34	8.42	3.54	1.65	0.84
575	568	Salem PT <sup>(1)</sup>	14,400	175	74	37	8.47	3.38	1.82	0.91
702	722	Shoebox	12,000	150	67	34	6.52	3.54	1.65	0.84
564	549	Shoebox <sup>(1)</sup>	12,800	175	74	37	7.18	3.34	1.82	0.91
703	723	Shoebox	29,700	350	138	69	8.62	4.45	3.40	1.70
554	540	Shoebox <sup>(1)</sup>	32,000	400	159	79	9.04	3.58	3.91	1.94
576	577	Shoebox	107,800	1,000	383	191	14.89	7.37	9.43	4.70

<sup>(1)</sup> Closed to new business

<sup>(2)</sup> Lumen output may vary by lamp configuration and age.

<sup>(3)</sup> Wattage ratings do not include ballast losses.

Continued to Sheet No. 6.808

ISSUED BY: G. L. Gillette, President

DATE EFFECTIVE:



Continued from Sheet No. 6.806

**MONTHLY RATE:**

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit (\$)			
			Initial Lumens <sup>1</sup>	Lamp Wattage <sup>1</sup>	kWh		Fixture	Maint.	Non-Fuel Base Energy	
					Dusk to Dawn	Timed Svc.			Dusk to Dawn	Timed Svc.
820	840	Roadway	7,577	103	36	18	10.06	0.61	0.89	0.44
821	841	Roadway	8,300	106	37	19	10.06	0.61	0.91	0.47
822	842	Roadway	15,300	196	69	34	13.16	0.66	1.70	0.84
823	843	Roadway	14,831	206	72	36	15.16	0.70	1.77	0.89
824	844	Post Top	3,674	67	24	12	17.81	0.80	0.59	0.30
825	845	Post Top	6,030	99	35	17	18.57	0.82	0.86	0.42
826	846	Area-Lighter	13,620	202	71	36	17.24	0.73	1.75	0.86
827	847	Area-Lighter	21,197	309	108	54	18.59	0.76	2.66	1.33

Continued to Sheet No. 6.810

ISSUED BY: G. L. Gillette, President

DATE EFFECTIVE:



TAMPA ELECTRIC

SECOND REVISED SHEET NO. 6.810  
 CANCELS FIRST REVISED SHEET NO. 6.810

Continued from Sheet No. 6.808

Pole/Wire and Pole/Wire Maintenance Charges:

Rate Code	Style	Description	Wire Feed	Charge Per Unit	
				Pole/Wire	Maintenance
425	Wood (Inaccessible) <sup>(1)</sup>	30 ft	OH	\$5.44	\$0.15
626	Wood	30 ft	OH	\$2.36	\$0.15
627	Wood	35 ft	OH	\$2.66	\$0.15
597	Wood	40/45 ft	OH	\$5.99	\$0.28
637	Standard	35 ft, Concrete	OH	\$4.82	\$0.15
594	Standard	40/45 ft, Concrete	OH	\$9.03	\$0.28
599	Standard	16 ft, DB Concrete	UG	\$14.47	\$0.13
595	Standard	25/30 ft, DB Concrete	UG	\$19.44	\$0.13
588	Standard	35 ft, DB Concrete	UG	\$21.28	\$0.31
607	Standard (70 - 100 W or up to 100 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$10.23	\$0.31
612	Standard (150 W or 100 -150 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$13.88	\$0.31
614	Standard (250 -400W or above 150 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$20.98	\$0.31
596	Standard	45 ft, DB Concrete	UG	\$25.01	\$0.13
523	Round	23 ft, DB Concrete	UG	\$18.43	\$0.13
591	Tall Waterford	35 ft, DB Concrete	UG	\$26.01	\$0.13
592	Victorian	PT, DB Concrete	UG	\$22.19	\$0.13
583	Waterford	PT, DB Concrete	UG	\$19.10	\$0.13
422	Aluminum <sup>(1)</sup>	10 ft, DB Aluminum	UG	\$7.07	\$1.17
616	Aluminum	27 ft, DB Aluminum	UG	\$25.15	\$0.31
615	Aluminum	28 ft, DB Aluminum	UG	\$10.64	\$0.31
622	Aluminum	37 ft, DB Aluminum	UG	\$36.17	\$0.31
584	Aluminum <sup>(1)</sup>	PT, DB Aluminum	UG	\$15.36	\$0.99
581	Capitol <sup>(1)</sup>	PT, DB Aluminum	UG	\$24.10	\$0.99
586	Charleston	PT, DB Aluminum	UG	\$18.44	\$0.99
585	Charleston Banner	PT, DB Aluminum	UG	\$23.93	\$0.99
590	Charleston HD	PT, DB Aluminum	UG	\$20.96	\$0.99
580	Heritage <sup>(1)</sup>	PT, DB Aluminum	UG	\$17.72	\$0.99
587	Riviera <sup>(1)</sup>	PT, DB Aluminum	UG	\$18.56	\$0.99
589	Steel <sup>(1)</sup>	30 ft, AB Steel	UG	\$35.39	\$1.52
624	Fiber <sup>(1)</sup>	PT, DB Fiber	UG	\$6.43	\$1.17
582	Winston	PT, DB Fiber	UG	\$12.38	\$0.99
525	Franklin Composite	PT, DB Composite	UG	\$21.58	\$0.99
641	Existing Pole		UG	\$4.47	\$0.31

<sup>(1)</sup> Closed to new business

Continued from Sheet No. 6.815

ISSUED BY: G. L. Gillette, President

DATE EFFECTIVE:

EXHIBIT B



Continued from Sheet No. 6.805

**MONTHLY RATE:**

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit (\$)			
			Initial Lumens <sup>(2)</sup>	Lamp Wattage <sup>(3)</sup>	kWh		Fixture	Maint.	Non-Fuel Base Energy	
					Dusk to Dawn	Timed Svc.			Dusk to Dawn	Timed Svc.
704	724	Cobra	29,700	350	138	69	6.80	4.50	3.40	1.70
520	522	Cobra <sup>(1)</sup>	32,000	400	159	79	5.44	3.62	3.91	1.94
705	725	Flood	29,700	350	138	69	7.72	4.55	3.40	1.70
556	541	Flood <sup>(1)</sup>	32,000	400	159	79	7.55	3.63	3.91	1.94
558	578	Flood	107,800	1,000	383	191	9.48	7.37	9.43	4.70
701	721	General PT	12,000	150	67	34	9.57	3.54	1.65	0.84
574	548	General PT <sup>(1)</sup>	14,400	175	74	37	9.83	3.37	1.82	0.91
700	720	Salem PT	12,000	150	67	34	8.42	3.54	1.65	0.84
575	568	Salem PT <sup>(1)</sup>	14,400	175	74	37	8.47	3.38	1.82	0.91
702	722	Shoebox	12,000	150	67	34	6.52	3.54	1.65	0.84
564	549	Shoebox <sup>(1)</sup>	12,800	175	74	37	7.18	3.34	1.82	0.91
703	723	Shoebox	29,700	350	138	69	8.62	4.45	3.40	1.70
554	540	Shoebox <sup>(1)</sup>	32,000	400	159	79	9.04	3.58	3.91	1.94
576	577	Shoebox	107,800	1,000	383	191	14.89	7.37	9.43	4.70

<sup>(1)</sup> Closed to new business

<sup>(2)</sup> Lumen output may vary by lamp configuration and age.

<sup>(3)</sup> Wattage ratings do not include ballast losses.

Continued to Sheet No. 6-8106.808



Continued from Sheet No. 6.806

**MONTHLY RATE:**

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit (\$)			
Dusk to Dawn	Timed Svc.		Initial Lumens <sup>1</sup>	Lamp Wattage <sup>1</sup>	kWh		Fixture	Maint.	Non-Fuel Base Energy	
					Dusk to Dawn	Timed Svc.			Dusk to Dawn	Timed Svc.
820	840	Roadway	7,577	103	36	18	10.06	0.61	0.89	0.44
821	841	Roadway	8,300	106	37	19	10.06	0.61	0.91	0.47
822	842	Roadway	15,300	196	69	34	13.16	0.66	1.70	0.84
823	843	Roadway	14,831	206	72	36	15.16	0.70	1.77	0.89
824	844	Post Top	3,674	67	24	12	17.81	0.80	0.59	0.30
825	845	Post Top	6,030	99	35	17	18.57	0.82	0.86	0.42
826	846	Area-Lighter	13,620	202	71	36	17.24	0.73	1.75	0.86
827	847	Area-Lighter	21,197	309	108	54	18.59	0.76	2.66	1.33

Continued to Sheet No. 6.810

ISSUED BY: G. L. Gillette, President

DATE EFFECTIVE:



Continued from Sheet No. 6.8066.808

Pole/Wire and Pole/Wire Maintenance Charges:

Rate Code	Style	Description	Wire Feed	Charge Per Unit	
				Pole/Wire	Maintenance
425	Wood (Inaccessible) <sup>(1)</sup>	30 ft	OH	\$5.44	\$0.15
626	Wood	30 ft	OH	\$2.36	\$0.15
627	Wood	35 ft	OH	\$2.66	\$0.15
597	Wood	40/45 ft	OH	\$5.99	\$0.28
637	Standard	35 ft, Concrete	OH	\$4.82	\$0.15
594	Standard	40/45 ft, Concrete	OH	\$9.03	\$0.28
599	Standard	16 ft, DB Concrete	UG	\$14.47	\$0.13
595	Standard	25/30 ft, DB Concrete	UG	\$19.44	\$0.13
588	Standard	35 ft, DB Concrete	UG	\$21.28	\$0.31
607	Standard (70 - 100 W or up to 100 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$10.23	\$0.31
612	Standard (150 W or 100 -150 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$13.88	\$0.31
614	Standard (250 -400W or above 150 ft span) <sup>(1)</sup>	35 ft, DB Concrete	UG	\$20.98	\$0.31
596	Standard	45 ft, DB Concrete	UG	\$25.01	\$0.13
523	Round	23 ft, DB Concrete	UG	\$18.43	\$0.13
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583	Waterford	PT, DB Concrete	UG	\$19.10	\$0.13
422	Aluminum <sup>(1)</sup>	10 ft, DB Aluminum	UG	\$7.07	\$1.17
616	Aluminum	27 ft, DB Aluminum	UG	\$25.15	\$0.31
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584	Aluminum <sup>(1)</sup>	PT, DB Aluminum	UG	\$15.36	\$0.99
581	Capitol <sup>(1)</sup>	PT, DB Aluminum	UG	\$24.10	\$0.99
586	Charleston	PT, DB Aluminum	UG	\$18.44	\$0.99
585	Charleston Banner	PT, DB Aluminum	UG	\$23.93	\$0.99
590	Charleston HD	PT, DB Aluminum	UG	\$20.96	\$0.99
580	Heritage <sup>(1)</sup>	PT, DB Aluminum	UG	\$17.72	\$0.99
587	Riviera <sup>(1)</sup>	PT, DB Aluminum	UG	\$18.56	\$0.99
589	Steel <sup>(1)</sup>	30 ft, AB Steel	UG	\$35.39	\$1.52
624	Fiber <sup>(1)</sup>	PT, DB Fiber	UG	\$6.43	\$1.17
582	Winston	PT, DB Fiber	UG	\$12.38	\$0.99
525	Franklin Composite	PT, DB Composite	UG	\$21.58	\$0.99
641	Existing Pole		UG	\$4.47	\$0.31

<sup>(1)</sup> Closed to new business

Continued from Sheet No. 6.815