

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition to approve revisions to
Tariff Sheet Nos. 6.2811, 6.282, and 6.284
Rate Schedule LS-1 – Lighting Service

Docket No. 150242-EI
Filed: November 30, 2015

DEF'S RESPONSE TO STAFF'S FIRST DATA REQUEST

1. Please provide cost support information for the new light emitting diode (LED) fixtures to be added to the current tariff offerings listed in the revised Tariff Sheet No. 6.2811.

ANSWER:

Please see attached pdf files to view the fixture component of the rental charge for each new LED. Also, an Excel file is attached to display how the installed cost model works. All of these documents are confidential. A redacted version is attached hereto. An unredacted version has been filed with the FPSC along with DEF's Notice of Intent to Request Confidential Classification dated November 30, 2015.

The Non-Fuel Energy values are calculated by multiplying Schedule LS-1's Non-Fuel Energy Charge of 2.132 ¢/kWh by each light's kWh. Please see the attached LED Maintenance Detail pdf file to see how the monthly LED maintenance charge was determined.

2. Please provide cost support information for the two types of new poles offered in revised Tariff Sheet No. 6.282.

ANSWER:

Please see the attached pdf file for the 15 foot pole. The other, 35 foot black concrete, pole was priced the same as the existing 35 foot bronze concrete pole, since the only difference is the color of the pole. This document is confidential. A redacted version is attached hereto. An unredacted version has been filed with the FPSC along with DEF's Notice of Intent to Request Confidential Classification dated November 30, 2015.

3. Referring to the new paragraph 15 on Tariff Sheet No. 6.284, please explain with an example how the company will determine the initial one-time payment to reduce the installed cost of the LEDs.

ANSWER:

Please see the attached pdf file for two example LED scenarios. This offering will be developed on a case by case basis, at the customer's request. The alternative monthly rate will be limited to one alternative per LED light and pole type. Accordingly, once the alternative has been established for a new LED and/or pole by a particular customer, that will be the available alternative monthly rate going forward for all customers of that LED and/or pole.

RESPECTFULLY SUBMITTED this 30th day of November, 2015.

/s/ Dianne M. Triplett

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Facsimile: (727) 820-5041
Email: matthew.bernier@duke-energy.com

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished via electronic mail to the following this 30th day of November, 2015.

/s/ Dianne M. Triplett

Attorney

John Villafrate Office of the General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 jvillafrate@psc.state.fl.us	
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Question 1 Attachments

2014 LED Maintenance Rate Detail

Three trips are estimated to be needed for LED luminaire repair over a 30 year life.

Trip 1. Replace DRIVER at approximately 15 years. At the same time, replace PHOTOCELL if it has not been replaced in the last ten years.

Labor & OH's	\$ 88.54
Material & OH's	<u>\$ 203.70</u>
Total	\$ 292.24
Monthly Cost	\$ 0.81

Trip 2. Replace Surge Protection or PHOTOCELL.

Labor & OH's	\$ 88.54
Material & OH's	<u>\$ 30.31</u>
Total	\$ 118.85
Monthly Cost	\$ 0.33

Trip 3. Repair or service Led luminaire for various failure modes. Connection, Repeat Trip, MOT/traffic control, Cleaning, Wind related issues

Labor & OH's	\$ 88.54
Material & OH's	<u>\$ 1.87</u>
Total	\$ 90.41
Monthly Cost	\$ 0.25

Total \$ 1.39

FIXTURE RENTAL CALC

Fill in yellow highlighted field

Fixture	
Lamp	
PE	
Bracket	
Total fixture & Misc	
Rate w/ 60% Burden	
Hours	0.3
Total Labor Cost	

.3 for 48w,108w

REDACTED

Material	
Buggy Stock Adder (BNCHF)	
Sales Tax (STAF)	
Locational Stores (STORF)	
Corporate Stores (CRPST)	
	Total Material
Set Up OH	0.4 Hours
Labor	
Fleet Indirect Adder (FLTF)	
Design and Project Mgmt Adder (DSPRF)	
Mgmt and Supervision Adder (MGTF)	
	Total Labor
	Total Labor, Material & OH's
Service credit adder	

1.59%

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field	
Fixture	\$ [REDACTED]
Lamp	[REDACTED]
PE	\$ [REDACTED]
Bracket	[REDACTED]
Globe	\$ [REDACTED]
Ribs, Bands & Medallions	\$ [REDACTED]
	[REDACTED]
	[REDACTED]
	[REDACTED]
Total fixture & Misc	\$ [REDACTED]
	[REDACTED]
Rate w/ 60% Burden	\$ [REDACTED]
Hours	0.4
Total Labor Cost	\$ [REDACTED]

Material	\$ [REDACTED]
Buggy Stock Adder (BNCHF)	\$ [REDACTED]
Sales Tax (STAF)	\$ [REDACTED]
Locational Stores (STORF)	\$ [REDACTED]
Corporate Stores (CRPST)	\$ [REDACTED]
	\$ [REDACTED]
Total Material	\$ [REDACTED]
Set Up OH 0.4 Hours	\$ [REDACTED]
Labor	\$ [REDACTED]
Fleet Indirect Adder (FLTF)	\$ [REDACTED]
Design and Project Mgmt Adder (DSPRF)	\$ [REDACTED]
Mgmt and Supervision Adder (MGTF)	\$ [REDACTED]
	\$ [REDACTED]
Total Labor	\$ [REDACTED]
Total Labor, Material & OH's	\$ [REDACTED]
Service credit adder	\$ [REDACTED]
	\$ [REDACTED]
	\$ [REDACTED]
1.59%	\$ [REDACTED]

2015

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field	
Fixture	\$ [REDACTED]
Lamp	[REDACTED]
PE	\$ [REDACTED]
Bracket	[REDACTED]
Globe	\$ [REDACTED]
Ribs, Bands & Medallions	\$ [REDACTED]
	[REDACTED]
	[REDACTED]
	[REDACTED]
Total fixture & Misc	\$ [REDACTED]
	[REDACTED]
Rate w/ 60% Burden	\$ [REDACTED]
Hours	0.4
Total Labor Cost	\$ [REDACTED]

Material	\$ [REDACTED]
Buggy Stock Adder (BNCHF)	\$ [REDACTED]
Sales Tax (STAF)	\$ [REDACTED]
Locational Stores (STORF)	\$ [REDACTED]
Corporate Stores (CRPST)	\$ [REDACTED]
	\$ [REDACTED]
Total Material	\$ [REDACTED]
Set Up OH 0.4 Hours	\$ [REDACTED]
Labor	\$ [REDACTED]
Fleet Indirect Adder (FLTF)	\$ [REDACTED]
Design and Project Mgmt Adder (DSPRF)	\$ [REDACTED]
Mgmt and Supervision Adder (MGTF)	\$ [REDACTED]
	\$ [REDACTED]
Total Labor	\$ [REDACTED]
Total Labor, Material & OH's	\$ [REDACTED]
Service credit adder	\$ [REDACTED]
	\$ [REDACTED]
1.59%	\$ [REDACTED]

2015

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field

Fixture	\$	
Lamp		
PE	\$	
Bracket		
Globe	\$	
Ribs, Bands & Medallions	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours		0.4
Total Labor Cost	\$	

Material	2015	\$	
Buggy Stock Adder (BNCHF)		\$	
Sales Tax (STAF)		\$	
Locational Stores (STORF)		\$	
Corporate Stores (CRPST)		\$	
		\$	
Total Material		\$	
Set Up OH 0.4 Hours		\$	
Labor		\$	
Fleet Indirect Adder (FLTF)		\$	
Design and Project Mgmt Adder (DSPRF)		\$	
Mgmt and Supervision Adder (MGTF)		\$	
		\$	
Total Labor		\$	
Total Labor, Material & OH's		\$	
Service credit adder		\$	
		\$	
1.59%		\$	

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field	
Fixture	\$ [REDACTED]
Lamp	[REDACTED]
PE	\$ [REDACTED]
Bracket	[REDACTED]
Globe	\$ [REDACTED]
Ribs, Bands & Medallions	\$ [REDACTED]
	[REDACTED]
	[REDACTED]
	[REDACTED]
Total fixture & Misc	\$ [REDACTED]
Rate w/ 60% Burden	\$ [REDACTED]
Hours	0.4
Total Labor Cost	\$ [REDACTED]

Material		2015	\$ [REDACTED]
Buggy Stock Adder (BNCHF)			\$ [REDACTED]
Sales Tax (STAF)			\$ [REDACTED]
Locational Stores (STORF)			\$ [REDACTED]
Corporate Stores (CRPST)			\$ [REDACTED]
		Total Material	\$ [REDACTED]
Set Up OH 0.4 Hours			\$ [REDACTED]
Labor			\$ [REDACTED]
Fleet Indirect Adder (FLTF)			\$ [REDACTED]
Design and Project Mgmt Adder (DSPRF)			\$ [REDACTED]
Mgmt and Supervision Adder (MGTF)			\$ [REDACTED]
		Total Labor	\$ [REDACTED]
		Total Labor, Material & OH's	\$ [REDACTED]
Service credit adder			\$ [REDACTED]
			\$ [REDACTED]
		1.59%	\$ [REDACTED]

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field	
Fixture	\$ [REDACTED]
Lamp	[REDACTED]
PE	\$ [REDACTED]
Bracket	[REDACTED]
Globe	\$ [REDACTED]
Ribs, Bands & Medallions	\$ [REDACTED]
	[REDACTED]
	[REDACTED]
	[REDACTED]
Total fixture & Misc	\$ [REDACTED]
	[REDACTED]
Rate w/ 60% Burden	\$ [REDACTED]
Hours	0.4
Total Labor Cost	\$ [REDACTED]

					2015
Material					\$ [REDACTED]
Buggy Stock Adder (BNCHF)					\$ [REDACTED]
Sales Tax (STAF)					\$ [REDACTED]
Locational Stores (STORF)					\$ [REDACTED]
Corporate Stores (CRPST)					\$ [REDACTED]
				Total Material	\$ [REDACTED]
Set Up OH	0.4	Hours			\$ [REDACTED]
Labor					\$ [REDACTED]
Fleet Indirect Adder (FLTF)					\$ [REDACTED]
Design and Project Mgmt Adder (DSPRF)					\$ [REDACTED]
Mgmt and Supervision Adder (MGTF)					\$ [REDACTED]
				Total Labor	\$ [REDACTED]
				Total Labor, Material & OH's	\$ [REDACTED]
Service credit adder					\$ [REDACTED]
					\$ [REDACTED]
				1.59%	\$ [REDACTED]

REDACTED

FIXTURE RENTAL CALC

Fixture	\$	
Lamp		
PE	\$	
Bracket		
Globe	\$	
Ribs, Bands & Medallions	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours		0.4
Total Labor Cost	\$	

				2015
Material				\$
Buggy Stock Adder (BNCHF)				\$
Sales Tax (STAF)				\$
Locational Stores (STORF)				\$
Corporate Stores (CRPST)				\$
				\$
Total Material				\$
Set Up OH	0.4	Hours		\$
Labor				\$
Fleet Indirect Adder (FLTF)				\$
Design and Project Mgmt Adder (DSPRF)				\$
Mgmt and Supervision Adder (MGTF)				\$
				\$
Total Labor				\$
Total Labor, Material & OH's				\$
Service credit adder				\$
				\$
				\$
				1.59%
				\$

FIXTURE RENTAL CALC

Fill in yellow highlighted field

Fixture	\$	
Lamp	\$	
PE	\$	
Bracket	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours	0.3	.3 for 48w,108w
Total Labor Cost	\$	

Material	\$
Buggy Stock Adder (BNCHF)	\$
Sales Tax (STAF)	\$
Locational Stores (STORF)	\$
Corporate Stores (CRPST)	\$
Total Material	\$
0.4 Hours	\$
Labor	\$
Fleet Indirect Adder (FLTF)	\$
Design and Project Mgmt Adder (DSPRF)	\$
Mgmt and Supervision Adder (MGTF)	\$
Total Labor	\$
Total Labor, Material & OH's	\$
Service credit adder	\$
1.59%	\$

REDACTED

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Fill in yellow highlighted field

Fixture	\$	
Lamp	\$	
PE	\$	
Bracket	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours	0.3	.3 for 48w,108w
Total Labor Cost	\$	

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Total Material	\$	
Set Up OH	0.4	Hours
Labor	\$	
Fleet Indirect Adder (FLTF)	\$	
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Mgmt and Supervision Adder (MGTF)	\$	
Total Labor	\$	
Total Labor, Material & OH's	\$	
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	\$	
	1.59%	

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Total Material	\$	
Set Up OH 0.4 Hours	\$	
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Fixture	\$	
Lamp	\$	
PE	\$	
Bracket	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours	0.7	.3 for 48w,108w
Total Labor Cost	\$	

Material	\$	
Buggy Stock Adder (BNCHF)	\$	
Sales Tax (STAF)	\$	
Locational Stores (STORF)	\$	
Corporate Stores (CRPST)	\$	
Total Material	\$	
Set Up OH 0.4 Hours	\$	
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Total Material	\$	
Set Up OH 0.4 Hours	\$	
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Labor	\$
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Design and Project Mgmt Adder (DSPRF)	\$
Mgmt and Supervision Adder (MGTF)	\$
Total Labor	\$
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Service credit adder	\$
	\$
1.59%	\$

FIXTURE RENTAL CALC

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Fixture	\$	
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Bracket	\$	
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Rate w/ 60% Burden	\$	
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Corporate Stores (CRPST)	\$	
Total Material	\$	
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Design and Project Mgmt Adder (DSPRF)	\$	
Mgmt and Supervision Adder (MGTF)	\$	
Total Labor	\$	
Total Labor, Material & OH's	\$	
Service credit adder	\$	
	\$	
	1.59%	

FIXTURE RENTAL CALC

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Fixture	\$	
Lamp	\$	
PE	\$	
Bracket	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours	0.7	.3 for 48w,108w
Total Labor Cost	\$	

REDACTED

Material	\$	
Buggy Stock Adder (BNCHF)	\$	
Sales Tax (STAF)	\$	
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Set Up OH 0.4 Hours	\$	
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Mgmt and Supervision Adder (MGTF)	\$	
Total Labor	\$	
Total Labor, Material & OH's	\$	
Service credit adder	\$	
	\$	
	1.59%	

REDACTED

FIXTURE RENTAL CALC

Fill in yellow highlighted field

Fixture	\$	
Lamp	\$	
PE	\$	
Bracket	\$	
Total fixture & Misc	\$	
Rate w/ 60% Burden	\$	
Hours	0.3	.3 for 48w,108w
Total Labor Cost	\$	

Material	\$	
Buggy Stock Adder (BNCHF)	\$	
Sales Tax (STAF)	\$	
Locational Stores (STORF)	\$	
Corporate Stores (CRPST)	\$	
Total Material	\$	
Set Up OH 0.4 Hours	\$	
Labor	\$	
Fleet Indirect Adder (FLTF)	\$	
Design and Project Mgmt Adder (DSPRF)	\$	
Mgmt and Supervision Adder (MGTF)	\$	
Total Labor	\$	
Total Labor, Material & OH's	\$	
Service credit adder	\$	
	\$	
1.59%	\$	

Question 2 Attachment

Question 3 Attachment

LIGHTS

LED Wattage	284
Standard Fixture Rate	14.08

Rental Rate	Rate Adjustment	Rate Reduction	Adjusted Rate
Scenario 1	31.68%	68.32%	\$ 4.46
Scenario 2	57.30%	42.70%	\$ 8.07

Scenario 1

Standard Install Cost	\$	885.76
CIAC amount	\$	605.22
Adjusted Install cost	\$	280.54
Rate Factor		1.59%
Adjusted Rate	\$	4.46

Scenario 2

Standard Install Cost	\$	885.76
CIAC amount	\$	378.35
Adjusted Install cost	\$	507.41
Rate Factor		1.59%
Adjusted Rate	\$	8.07