

MEMORANDUM

TO: Board of Electric Commission

FROM: Ken Nolan, Director of Resource Planning

DATE: June 1, 2010

RE: **LED Streetlight Tariff Amendment**

cc. Barbara Grimes

Please find attached a proposed revision to BED's Street Light Tariff to reflect the inclusion of a 40 Watt LED bulb option. Based on the Commission vote in February BED had been preparing to file Streetlight tariff revisions to implement LED technologies, but had not yet filed the Tariff revisions with the Public Service Board. As the filings were being finalized BED learned that the Church Street Marketplace would be moving its streetlights to LED technology, and because of its pedestrian nature was planning to utilize much lower wattage bulbs (40W vs. the 90W and 180W BED planned to use on typical streets). Rather than move forward with the approved tariff revisions, and immediately have to modify them again, BED chose to not file the originally approved changes and instead go back through the city approval process to incorporate the lower wattage fixtures.

The only change from the Tariff the Commission approved in February is to add the 40 Watt LED option to BED's Tariff at a price of \$9.65/month. This would replace existing 100 Watt metal halide fixtures at \$12.34/Month.

Staff is requesting that the Commission recommend approval of the Tariff revision to the City Council for filing with the Public Service Board.

BURLINGTON ELECTRIC DEPARTMENT
Tariff Sheets
Effective June 26, 2009

STREET LIGHTING (SL) RATE
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Availability

For municipal street lighting on city-accepted streets.

Character of Service

Unmetered alternating current, 60 Hertz, single phase, at nominal voltages of 120, 120/240, or 277 volts.

Standard street lighting service entails providing, operating, and maintaining standard dusk to dawn street luminaires fed from overhead distribution lines mounted on an existing wood distribution pole with a 6 foot mast arm.

Monthly Bill

Standard Rates per Luminaire

Nominal Wattage	Wattage with Ballast	BulbType	\$/Month
100	117	Mercury Vapor	\$ 9.60
175	205	Mercury Vapor	\$ 12.94
250	292	Mercury Vapor	\$ 17.59
400	453	Mercury Vapor	\$ 24.73
100	119	Metal Halide	\$ 12.34
175	206	Metal Halide	\$ 15.49
250	288	Metal Halide	\$ 19.45
400	450	Metal Halide	\$ 27.00
70	99	High Pressure Sodium	\$ 8.85
100	136	High Pressure Sodium	\$ 10.41
150	195	High Pressure Sodium	\$ 12.91
250	305	High Pressure Sodium	\$ 18.85
400	466	High Pressure Sodium	\$ 26.11
189	189	Incandescent	\$ 16.62
<u>40</u>	<u>44</u>	<u>LED</u>	<u>\$ 9.65</u>
<u>90</u>	<u>100</u>	<u>LED</u>	<u>\$ 13.52</u>
<u>180</u>	<u>204</u>	<u>LED</u>	<u>\$ 23.69</u>

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Terms and Conditions

- 1) New or additional service must be reviewed and approved in advance by BED to insure that requested facilities comply with current engineering standards. New street lighting installations shall meet the recommendations of the Illuminating Engineering Society of North America (IESNA). Any new street lighting installations on city streets or on new streets that will become accepted city streets shall meet these recommendations as detailed in the latest version of the *IESNA Lighting Handbook*.
- 2) The customer must make a contribution in aid of construction in advance to cover incremental costs of requested facilities that are in excess of \$651 per installed luminaire. Excess costs may optionally be financed over 60 months in accordance with BED's Lending Policy.
- 3) The customer may be required to enter into a contract with a minimum term of 5 years for any new or additional lighting facilities.
- 4) Lighting service shall be provided from dusk to dawn as controlled locally by photocells.
- 5) For purposes of computing billed energy, the following burning hours will be assumed:

Month	Burning Hours
January	456
February	379
March	374
April	316
May	285
June	255
July	274
August	310
September	344
October	403
November	432
December	468