



# CONSOLIDATED COMMISSION ON UTILITIES

Guam Power Authority • Guam Waterworks Authority  
P.O. BOX 2977 • Agana, Guam 96932

## Resolution No. 2016-03

### AUTHORIZING THE GUAM POWER AUTHORITY TO PETITION THE PUC FOR APPROVAL TO IMPLEMENT AN INTERIM STREETLIGHT TARIFF FOR ENERGY EFFICIENT LED STREETLIGHTS INSTALLED ON THE GPA POWER SYSTEM

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8       **WHEREAS**, GPA is responsible for the installation and maintenance of streetlights installed and  
9 operated on GPA power poles along public rights-of-way; and

10       **WHEREAS**, 16,413 streetlights are installed for public use to provide illumination of the  
11 roadways, vehicles, and pedestrians at night and to safeguard and facilitate vehicular and pedestrian  
12 traffic; and

13       **WHEREAS**, GPA has implemented an LED Streetlight Replacement program which will save on  
14 operating and maintenance costs by upgrading the technology of existing streetlights from High  
15 Pressure Sodium (HPS) to LED; and

16       **WHEREAS**, the total cost of replacing streetlights including, labor, materials, and equipment is  
17 approximately \$5.5 million for 16,413 lights changed from HPS to LED; and

18       **WHEREAS**, GPA has changed out 3,495 lights in 2015 and will continue the program at a rate of  
19 approximately 5,000 per year; and

20       **WHEREAS**, the current Rate Schedule F, for Public Streetlight and Rate Schedule H, Private  
21 Outdoor Lighting are the applicable tariffs for the streetlights; and

22       **WHEREAS**, the tariffs for streetlights are comprised of an energy charge, fixture charge, and fuel  
23 recovery charge among other applicable surcharges which utilizes the established energy consumption  
24 of an HPS light; and

25       **WHEREAS**, the energy consumption of an LED light is significantly lower than that of a HPS light  
26 which is a 24 kWh for LED vs 67 kWh for HPS per month for 150 W equivalent lights and 43 kWh vs 108  
27 kWh per month for 250 W equivalent lights; and

28       **WHEREAS**, as the streetlight replacement program converts more lights from HPS to LED, the  
29 savings in energy and fuel should be realized by the customer; and

30       **WHEREAS**, the customer may elect to install additional streetlights or reduce expenses with the  
31 savings; and

32           **WHEREAS**, the fixture charge shall remain the same in the interim to provide additional capital  
33 to fund the change out program and until a cost of service study can be conducted once the project is  
34 completed; and

35           **WHEREAS**, GPA is seeking approval from the Consolidated Commission on Utilities to petition  
36 the PUC for approval to implement an interim streetlight tariff as provided in Exhibit A to apply to LED  
37 Streetlights installed on the GPA system; and

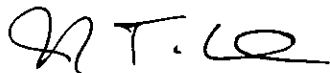
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39           **NOW, THEREFORE, BE IT RESOLVED**, by the Consolidated Commission on Utilities subject to the  
40 review and approval of the Public Utilities Commission as follows:

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- 42           1.       GPA's request to establish interim streetlight tariffs to apply to LED streetlights installed  
43                   on the GPA system is reasonable, prudent, and necessary to save ratepayer costs and  
44                   improve operations and maintenance of the GPA Transmission & Distribution system.
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  - 46           2.       The General Manager of the Guam Power Authority is authorized to implement the  
47                   interim streetlight tariffs as provided in Exhibit A.

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49           **RESOLVED**, that the Chairman certifies and the Secretary attests the adoption of this Resolution.

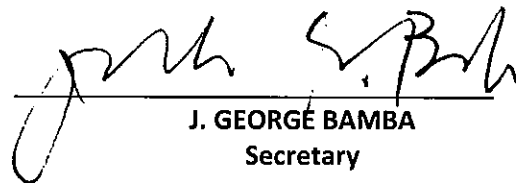
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51           **DULY and REGULARLY ADOPTED** this 26<sup>th</sup> day of January, 2016.

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53                   **Certified by:**

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58                   **JOSEPH T. DUENAS**  
59                   Chairman

60                   **Attested by:**



                  \_\_\_\_\_  
                  **J. GEORGE BAMBA**  
                  Secretary

61 **SECRETARY'S CERTIFICATE**

62  
63 I, J. George Bamba, Secretary for the Consolidated Commission on Utilities do hereby certify  
64 that the foregoing is a full, true, and correct copy of the resolution duly adopted at a regular meeting of  
65 the members of Guam's Consolidated Commission on Utilities, duly and legally held at the meeting place  
66 thereof on January 26, 2016, at which meeting of all said members had due notice and at which at least  
67 s majority thereof were present, and

68  
69 At said meeting said resolution was adopted by the following vote:

70 Ayes: 4  
71 Nays: 0  
72 Absent: 1  
73 Abstain: 0

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75 Said original resolution has not been amended, modified, or rescinded since the date of its  
76 adoption, and the same is now in full force and effect.

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78 **SO CERTIFIED** this 26<sup>th</sup> day of January 2016.



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J. George Bamba  
Secretary  
Consolidated Commission on Utilities

Issued March 21, 1984  
 Revised ~~October 01, 2015~~ March 01, 2016  
 Effective with meters read  
 on and after ~~October 01, 2015~~ March 01, 2016

**Rate Schedule "H"**

**GUAM POWER AUTHORITY**

**SCHEDULE "H"**

**Private Outdoor Lighting**

Availability:

Applicable to private outdoor lighting service where the Authority owns, maintains and operates such facilities.

Rate:

Energy Charge:

All kilowatt-hours per month - per kWh \$0.10784

FIXTURE CHARGE: (To be added to the Energy Charge)

<u>Lamp Type</u>	<u>Wattage</u>	<u>kWh per month</u>	<u>Amount per lamp per month</u>
High-Intensity Discharge	400	163	\$29.50
High Pressure Sodium (Lucalox)	250	101	\$26.15
High Pressure Sodium (HPS)	150	54	\$19.10
<u>Light Emitting Diode (LED 250)</u>	<u>120</u>	<u>43.2</u>	<u>\$26.15</u>
<u>Light Emitting Diode (LED 150)</u>	<u>67</u>	<u>24.1</u>	<u>\$19.10</u>

Fuel Recovery Charge:

The Fuel Recovery Charge, as specified in Schedule "Z", will be added to each bill for service based on the above kWh.

Insurance Charge:

An insurance charge of \$0.00290 per kWh shall be billed monthly unless suspended by the Authority when Commission insurance reserve criteria have been met. The Authority may reinstate the insurance charge when Commission reinstatement criteria have been met. The insurance charge will be suspended or reinstated in conjunction with the Navy insurance charge.

Working Capital Fund Surcharge:

A Working Capital Fund (WCF) Surcharge of was established by the Public Utilities Commission (PUC) on June 20, 2011. The surcharge allows adjustments every six months to enable the Authority to recover increases or decreases in the Working Capital Fund Requirement caused by the increasing or decreasing price of fuel. GPA will petition the PUC in conjunction with its Levelized Energy Adjustment Clause filings every June 15 and December 15 for the increase or decrease required to ensure the Authority is able to meet this funding requirement.

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**Rate Schedule "H"**

**SCHEDULE "H" (Continued)**

Terms and Conditions:

1. Determination of Energy:

Standard service will be unmetered dusk to dawn service. The kilowatt-hours shall be the average kWh use per month by lamp type.

2. Standard Equipment Furnished:

Bracket or mast arm construction will be furnished and attached to existing wooden poles and secondary voltage.

3. Other Than Standard Equipment:

Where the customer requests the installation of other than the standard equipment be furnished by the Authority, including underground, and such requested equipment is acceptable to the Authority, the Authority will install the requested equipment provided the customer agrees to make a contribution of the estimated difference in cost installed between such equipment and standard equipment.

Contributions made for this purpose will not be refunded. Where the customer requests fixtures to be installed on electroliers or other ornamental standards that are acceptable to the Authority, in lieu of making the contribution, the customer may elect to pay added facilities charge of 2% per month of the added investment required for such facilities. Facilities installed in connection with such agreements become and remain the sole property of the utility.

4. Replacement Cost:

Where the customer requests an existing street lighting fixture or electrolier be replaced with another type within 60 months from the date of the original installation of the equipment to be replaced, the customer shall make contribution to the estimated cost of the new equipment installed plus the cost of the removal of the existing equipment.

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**Rate Schedule "H"**

**Rules:**

Service supplied under this rate shall be subject to the Service Rules of the Authority.

**Riders:**

Charges in addition to the above are applicable under certain conditions more specifically set forth and incorporated herein.

Schedule A - Accommodation Service Charges  
Schedule B - Service Establishment Charges  
Schedule C - Net Metering



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**Rate Schedule "F"**

**GUAM POWER AUTHORITY**

**SCHEDULE "F"**

**Streetlighting**

Availability:

Applicable to public outdoor lighting service where the Authority owns, maintains and operates such facilities.

Rate:

Energy Charge:

All kilowatt-hours per month - per kWh \$0.05245

FIXTURE CHARGE: (To be added to the Energy Charge)

<u>Lamp Type</u>	<u>Wattage</u>	<u>kWh per month</u>	<u>Amount per lamp per month</u>
High-Intensity Discharge	400	163	\$29.50
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**Rate Schedule "F"**

**SCHEDULE "F" (Continued)**

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Schedule C - Net Metering