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

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

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

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

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

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

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

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

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

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

WHEREAS, the customer may elect to install additional streetlights or reduce expenses with the
savings; and
WHEREAS, the fixture charge shall remain the same in the interim to provide additional capital to fund the change out program and until a cost of service study can be conducted once the project is completed; and

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

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

1. GPA’s request to establish interim streetlight tariffs to apply to LED streetlights installed on the GPA system is reasonable, prudent, and necessary to save ratepayer costs and improve operations and maintenance of the GPA Transmission & Distribution system.

2. The General Manager of the Guam Power Authority is authorized to implement the interim streetlight tariffs as provided in Exhibit A.

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

DULY and REGULARLY ADOPTED this 26th day of January, 2016.

Certified by:  Attested by:

[Signature]
JOSEPH T. DUENAS  J. GEORGE BAMBA
Chairman  Secretary
SECRETARY’S CERTIFICATE

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

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

Ayes: 4
Nays: 0
Absent: 1
Abstain: 0

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

SO CERTIFIED this 26th day of January 2016.

J. George Bamba
Secretary
Consolidated Commission on Utilities
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)

<table>
<thead>
<tr>
<th>Lamp Type</th>
<th>Wattage per lamp</th>
<th>kW per month</th>
<th>Amount per lamp</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Intensity Discharge</td>
<td>400</td>
<td>163</td>
<td>$29.50</td>
</tr>
<tr>
<td>High Pressure Sodium (Lucalox)</td>
<td>250</td>
<td>101</td>
<td>$26.15</td>
</tr>
<tr>
<td>High Pressure Sodium (HPS)</td>
<td>150</td>
<td>54</td>
<td>$19.10</td>
</tr>
<tr>
<td>Light Emitting Diode (LED 250)</td>
<td>120</td>
<td>43.2</td>
<td>$26.15</td>
</tr>
<tr>
<td>Light Emitting Diode (LED 150)</td>
<td>67</td>
<td>24.1</td>
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</tr>
</tbody>
</table>

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.
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 electrolizers 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 electrolizer 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.
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"

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
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)

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