

<b>AUB Policies and Procedures Manual Standard Policies and Procedures</b>	
Policy Number – AUB-04-05	Revision Number: 1
Subject LED Change-out/Conversions	Effective Date: 03-01-2016
	Superintendent Approval:
	General Manager Approval:

### **1.0 Purpose**

Based on the energy efficiency and long life of LED lighting, AUB is committed to converting Mercury Vapor (MV) and High-Pressure Sodium (HPS) security and street lights over to LED fixtures. This policy outlines the AUB’s decision matrix and steps to transition current outdoor lighting for individual customers from traditional type lights to more efficient LED fixtures and components.

### **2.0 Scope**

AUB has six LED outdoor lights available for individual customers under Part B of the Outdoor Lighting Rate – Schedule LS, dated October 2015.

The lights offered include:

- 64-watt LED open bottom fixture
- 72-watt LED decorative fixture
- 216-watt LED cobra head fixture
- 216-watt LED Flood light fixture
- 284-watt LED cobra head fixture
- 284-watt LED Flood light fixture

AUB will no longer offer HPS lights for new installations. In general, only LED or metal halide (MH) lights will be offered for new installations.

Customers requesting lights, fixtures, or poles not offered under Part B of Schedule LS may be accommodated through and in accordance with AUB’s leased lighting program. These requests will be considered individually.

### **3.0 General**

#### **3.1 Normal Conversion Procedure – Security Lights**

AUB will convert traditional MV and HPS customer security lights with an appropriate LED fixture as the traditional bulbs or fixtures fail in the follow manner:

- 175-watt MV open-bottom and 100-watt HPS open-bottom fixtures will be replace with a 64-watt open-bottom LED fixture
- 100-HPS Decorative fixtures will be replaced with a 72-watt Decorative LED fixture

- 250-watt HPS, 400-watt HPS, or 400-watt MV security lights, whether they are cobra-head or flood type lights, will be replaced with a corresponding LED fixture only when the fixture fails.

There will be no charge for the conversion under the conditions described above.

However, if it is determined that a bulb or fixture failure for any security light was the result of vandalism such as a gunshot or other malicious behavior, the security light in question will be replaced in kind (e.g., with another 100-watt HPS bulb or fixture) or pursuant to section 3.2 “Change-out At Customer Request” below if the customer wants an LED to replace the damaged fixture.

Metal Halide (MH) bulbs and fixtures will be replaced in kind.

### **3.2 Change-out At Customer Request – Customer Security Lights**

For residential accounts, if the customer requests that AUB change out an existing, working security light to an LED security light there will be a \$100 change-out fee regardless of the age of the light.

If there are multiple lights at the account and the customer would like those changed out also then there will be an additional charge of \$20 per light changed out.

There will be no change-out fee for changing a 175 MV security light to an LED equivalent.

For commercial accounts, if the customer requests that AUB change out an existing, working security light to an LED security light there will be a stranded-cost recovery charge and labor charge.

The stranded-cost recovery charge will be based on the depreciated value of the installed cost of the light. Depreciation is figured at ten (10) percent. The labor charge will be the calculated AUB labor cost for removal of the old light(s) and installation of the new light(s).

### **3.3 Street Light Conversion**

AUB is converting failed HPS and MV street lights to LED lights.

175-watt MV open bottom street lights, 100-watt HPS open-bottom street lights, and 100-watt Decorative Street lights will be converted to the appropriate LED light when a bulb or fixture fails.

AUB will convert traditional MV and HPS city street lights with an appropriate LED fixture as the traditional bulbs or fixtures fail in the follow manner:

- 175 MV open bottom and 100 HPS open bottom will be replaced with a 60-watt LED cobra head fixture.

100 HPS decorative street lights will be replaced with a 72-watt LED decorative fixture.

All of these lights will have an R3 light distribution patten.

250-watt HPS street lights, 400-watt HPS street lights, and 400-watt MV street lights will be replaced with equivalent LED fixtures only when the fixture fails.

- 250-watt HPS cobra head will be replaced with a 215-watt LED cobra head
- 250-watt HPS flood light will be replaced with a 215-watt LED flood light
- 400-watt HPS and MV cobra head will be replaced with a 284-watt LED cobra head
- 400 HPS or 400 MV flood light will be replaced with a 284-watt LED flood light

All of these lights will have an R3 light distribution pattern.

#### **4.0 Definitions**

**AUB** – means the Athens Utilities Board, and its duly authorized employees, agents, and representatives

**Customer** – Any person, business, or other entity that receives electrical service from Athens Utilities Board, Division of Power

**LED** – Light Emitting Diode

**MV** – Mercury Vapor

**HPS** – High Pressure Sodium