

Pepco

Response to Townhall Questions

Questions from the November 12th and 14th Townhall Meeting

Pepco Outdoor Lighting
12-6-2024

Referenced Terms

- **CIAC contribution-in-aid-of-construction** | a one-time payment by the customer to the Company equal to the estimated reasonable installed (or removed) cost of such equipment agreed to by the Company and the Customer at the time of the installation or removal.
- **Cobrahead style** | these streetlights are named for their shape which resembles the head of a cobra, these lights have a streamlined, functional design with a protruding, curved fixture. Typically installed along roadways where widespread lighting is essential.



- **Decorative style** | these streetlights are designed with aesthetics in mind; featuring ornate and classical styles that enhance the visual appeal of streetscapes, parks, and historic districts.



- **Pepco non-standard luminaire (fixture)** | A non-standard luminaire is not in the streetlight tariff and does not have an associated rate charge. To address Customers' desire for additional options in streetlight styles, bulb color temperatures, and wattages beyond Pepco's current suite of standard LED offerings, Customers may request Pepco to review their streetlight selection based upon technical and minimum quantity requirements.
- **Pepco standard luminaire (fixture)** | A standard luminaire means the offering is listed in the streetlight tariff and has an associated rate charge. Pepco offers five (5) different LED luminaire style offerings with 20 different offerings between wattage and luminaire color, all at a standard bulb temperature color of 3000 Kelvin. Standard luminaires for overhead fed streetlights include: cobrahead, teardrop, mongoose, flood, and dusk to dawn.

General

1. Which streetlight tariff rate schedules will be updated?

Existing Rate Schedules with Updates	Proposed (new) Rate Schedules
SSL-OH SSL-OH-LED SSL-UG SSL-UG-LED SL OL	SSL-OH-NC SSL-OH-CUST

SSL-OH - Company-owned and maintained overhead fed lights. (Existing with updates)

- Schedule is closing for new streetlights; Pepco will no longer install high-pressure sodium lamps for new lights.
- HPS lamp burnouts will be replaced with HPS, as stock permits.
- All fixture replacements and new installations will be LED (customer defaults to SSL-OH-LED unless otherwise notified to Pepco).

SSL-OH-LED - Company-owned and maintained overhead fed lights. (Existing with updates)

- Contribution-in-aid-of-construction (CIAC) payment required for replacements and new LED installations.

SSL-OH-NC* - Company-owned and maintained **overhead fed** lights. (*Proposed rate schedule)

- No upfront cost.
- Replacements and new LED installations do not require CIAC.
- Available for LED only.

SSL-OH-CUST* - Customer-owned overhead fed lights. (*Proposed rate schedule)

- For customers with streetlight purchase and attachment agreements.
- Option for Pepco to maintain Customer-owned lights.

SSL-UG – Customer-owned lighting equipment serviced by underground lines. (Existing with updates)

- Schedule is closing for new HPS streetlights.
- New installations or replacement of defective fixtures is available under SSL-UG-LED.

SSL-UG-LED – Customer-owned lighting equipment serviced by underground lines. (Existing with updates)

- Available for LED only.
- Contribution-in-aid-of-construction (CIAC) required for new supply connections and any additional Make Ready work.

OL – overhead service area for outdoor lighting purposes on customers' premises. Company owned and maintained. (Existing with updates)

SL – Applicable to all SSL schedules. Allows Pepco to recover costs to delivery electricity to streetlights. (Existing with updates)

2. What are the tariff rate schedules for luminaires on metal / concrete/ fiberglass poles serviced by underground lines?

Customer-owned underground fed streetlights are on tariff rate schedules SSL-UG and SSL-UG-LED.

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3. What are the tariff rate schedules for luminaires on wooden poles serviced by overhead lines?

Tariff rate schedules SSL-OH, SSL-OH-LED, as well as the newly proposed SSL-OH-NC, and SSL-OH-CUST.

4. Why is Pepco proposing these changes?

The existing rate schedules are being updated, and two new rate schedules are introduced to further clarify the contours of customer ownership and options as they transition to LED.

5. Who will be affected by the proposed changes?

The changes primarily affect streetlight customers that utilize streetlighting services through Pepco.

6. What is included in the Fixed and O&M charges?

- **Fixed charges** allow Pepco to recover costs related to the installation of new or replacement streetlights. For overhead lighting, this includes luminaire (fixture), conductor, brackets, etc. (in excess of CIAC payments). For underground lighting, this includes conductor, conduit, manholes, vaults, and other underground infrastructure (in excess of CIAC payments).
- **O&M charges** allow Pepco to recover streetlight specific maintenance costs.

7. What benefits will this tariff bring to the community?

The new tariff supports transitioning to energy-efficient LED streetlights, and increased customer choice for community lighting needs.

8. Will this tariff support the transition to LED lighting?

Yes.

9. How can I provide feedback to Pepco on the proposed tariff?

You can submit comments or concerns to Pepco Outdoor Lighting at ODL-Pepco@pepco.com. All feedback will be reviewed and considered prior to filing changes with the Maryland Public Service Commission for approval.

10. After the filing can I still provide feedback?

Yes, following submission of Pepco's proposed changes with the Maryland Public Service Commission, any interested entity can file comments with the Commission.

11. When is this proposed tariff expected to take effect?

The proposed tariff will take effect when approved by the Maryland Public Service Commission.

12. How soon can municipalities take advantage of tariff offerings?

For currently effective tariffs, customers may take advantage of those now. Only after Maryland Public Service Commission approval of the proposed tariffs will customers be able to take advantage of those offerings.

13. How do the proposed changes align with Pepco's sustainability goals?

The streetlight tariff is aligned with Pepco's commitment to environmental sustainability. By supporting energy-efficient LED installations and reducing energy waste, the tariff will help Pepco and the communities it serves achieve cleaner energy goals and reduce greenhouse gas emissions.

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14. Will the proposed changes include other lighting-related services, such as dimming?

Yes, in proposed changes to Rate Schedule SL, for unmetered, customer-owned streetlights where customer-owned devices permit the customer to operate a dimming schedule, the Company will, in consultation with the customer, establish a “Dimming Factor” to apply to the customer’s total deemed monthly street lighting kilowatt-hour consumption.

15. Will Pepco ever do metered streetlights for SSL-OH-LED and SSL-OH-NC?

Pepco wants to add smart controls to streetlights that could allow individual metering of lights and controllability of lights for features such as dimming.

Billing**16. What improvements have been made to the streetlight bills?**

Beginning November 1, 2024, customers will see the applicable tariff rate schedule for overhead or underground fed streetlights.

Previous version		New version		
Details of your Electric Charges		Details of your Electric Charges		
Unmetered Street Lighting - service number Electricity you used this period		Unmetered Street Lighting - service number Electricity you used this period		
Lamp size	Quantity	Lamp size	Quantity	Total use
100 WATT HPS	530	100W HPS <u>SSL-OH</u>	530	27985
150 WATT HPS	12	150W HPS <u>SSL-OH</u>	12	924
250 WATT HPS	19	250W HPS <u>SSL-OH</u>	19	2466
70 WATT HPS	19	70W HPS <u>SSL-OH</u>	19	711
100 WATT HPS	10	100W HPS <u>SSL-UG</u>	10	528
ATTACHED TO C&P TEL	61	ATTCHD TO C&P TEL	61	0
CO POLE		CO POLE <u>SSL-</u>		
Total	651	Total	651	32,614

17. Can my metered streetlight bill be combined with my unmetered streetlight bill?

No, metered streetlights are specific to the meter and accordingly it’s one-meter to one-bill.

18. Pepco’s LED tariffs indicate an HPS equivalent not the actual LED wattages. What does this mean, how are LED streetlights billed?

HPS equivalent indicates what HPS lamp wattage has a similar light output to Pepco’s LED offerings. This is not the actual wattage a customer will be billed. In accordance with the “Measurements of Electricity” section in Rate Schedule SL, billed kWh “will be computed on the basis of manufacturers’ wattage ratings of installed lamps, auxiliary devices where required”.

Company-Owned High-Pressure Sodium Lights**19. What happens when an overhead fed HPS lamp/bulb fails?**

If the HPS lamp (bulb) fails, it will be replaced with an HPS lamp as stock allows. Customer will remain on rate schedule SSL-OH.

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20. What happens when an overhead fed HPS luminaire (fixture) fails?

If the HPS luminaire fails, Pepco will replace it with a standard 3000 Kelvin LED luminaire of equivalent HPS wattage that matches the style of the previous installed light. Customer will transfer to SSL-OH-LED and be charged the contribution-in-aid-of-construction (CIAC) for fixture replacement, or the customer may inform Pepco they opt to transfer to SSL-OH-NC and not pay upfront costs. (For non-standard color temperatures see question #44).

21. What does closing this schedule to new HPS luminaire installs mean?

No new high-pressure sodium luminaires can be installed. Customers may select from either of the LED schedules (SSL-OH-LED or, once in effect, the SSL-OH-NC), or may opt to execute a streetlight purchase and attachment agreement with Pepco.

22. With the closing of SSL-OH what schedule will the existing HPS luminaires move to?

The Company recommends SSL-OH schedule be closed to new HPS installations. If approved, existing HPS installations will remain on SSL-OH.

23. How much remaining stock does Pepco have of HPS luminaires and lamps?

Supply of HPS is running low. Manufacturers have slowed, if not stopped production entirely, and vendor stock is depleted.

Company-Owned LEDs

24. Is there a deadline for when municipalities must decide when to convert to LED?

No.

25. What is the current default wattage and color temperature of overhead fed streetlights being installed at the time of replacement following HPS fixture failure?

Pepco will replace failed fixtures with a standard 3000 Kelvin LED light with an HPS equivalent wattage that matches the previously installed light. For non-standard color temperature lights see question #44.

26. What is the cost of converting or replacing a HPS overhead fed cobrahead luminaire to an equivalent LED overhead fed cobrahead?

On Schedule SSL-OH-LED, the upfront CIAC payment is \$1,587. Please note that Pepco periodically updates all tariffs to reflect the costs of serving customers. On the proposed Schedule SSL-OH-NC there is no upfront cost.

27. Can customers do partial conversions to LED, for example converting half (½) the lights in 2026 and the other half (½) in 2027?

Yes, the proactive conversion of existing lights to LED is at the direction of the customer.

28. When should customers notify Pepco they want to convert overhead fed streetlights to LED?

Customers will remain on SSL-OH until they submit in writing their intent to convert to LED. Customers may opt for SSL-OH-LED and pay an upfront contribution-in-aid-of-construction ("CIAC") to convert or opt for the proposed SSL-OH-NC rate schedule which does not have an upfront cost. Overhead fed lights will be converted to LED on a schedule to be determined by Pepco and the customer, based on availability of resources and inventory.

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29. If a municipality wanted to pursue conversion to LED and decided to go with SSL-OH-LED how long would it take for Pepco to make this conversion?

Overhead fed lights will be converted to LED on a schedule to be determined by Pepco and the customer, based on availability of resources and inventory.

30. What if I want to switch from the SSL-OH-LED (upfront cost) to the proposed SSL-OH-NC (no upfront cost) rate schedule, or vice versa?

Customers may only change tariff rate schedules at the time of luminaire failure or replacement.

31. What about HPS lights that have already been replaced with LEDs, is there a conversion cost?

For overhead fed lights already replaced with LEDs the contribution-in-aid-of-construction ("CIAC") payment should have been paid by customers, however Pepco will not charge retroactively for any LEDs previously installed.

32. When should customers on SSL-OH expect to pay a CIAC when transitioning to SSL-OH-LED?

Customers will make a contribution-in-aid-of-construction ("CIAC") payment in advance of the work for any proactive replacements to convert to LED. For emergent replacements, the CIAC will be collected after the replacement has been performed.

33. Will the customer ever 'pay off' the costs of the luminaire under the proposed SSL-OH-NC?

No, it is the cost of a streetlight based on the recovery of the life of a luminaire. When the luminaire needs to be replaced there is no upfront cost for replacement.

Customer Purchase and Attachment

34. Is there an option to purchase the overhead streetlights on wooden poles from Pepco?

Yes, there is a statutory right to purchase streetlights. Customers may enter into a streetlight purchase and attachment agreement with Pepco. Customers interested in purchasing lights should submit a letter of intent to Pepco at ODL-Pepco@pepco.com

35. Is there a deadline for when municipalities must decide whether to purchase streetlights?

No, municipalities may opt to purchase lights at any time.

36. Did the streetlight survey record the vintage age of the lights?

No, the survey was collected at ground-level. To determine specific vintage age requires Pepco to use a truck with a lift bucket and open the light to inspect the nameplate.

37. How does depreciation factor into the purchase price of the streetlight?

The purchase price for streetlights is based on the Net Book Value (NBV) calculation described in the model Purchase Agreement.

38. If customers choose to purchase and install overhead lights is there a removal fee?

Customers that purchase overhead streetlights are responsible for removing the luminaire to install any new luminaires. For details see the model Purchase Agreement.

39. Will Pepco report outages for customer-owned overhead fed lights?

No, customers are responsible for identifying streetlight outage and repairs of all their customer-owned luminaires.

40. What happens when the customer-owned luminaire fails?

Customers are responsible for the maintenance and replacement of their customer-owned luminaires.

Disconnect Devices

41. Must the customer-owned overhead fed fixtures be fitted with a disconnect device? What is the interrupting current requirement? Is this a fused device, and must it be integral to the new fixture, or is it a discrete item installed by the customer?

PHI requires installation of a disconnect switch for each overhead fed streetlight attachment. Customers must install disconnect switches to the overhead streetlight service wire. Customer maintains the disconnect switch.

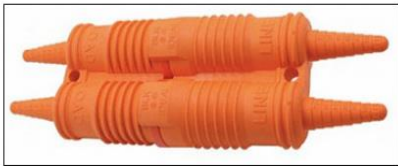
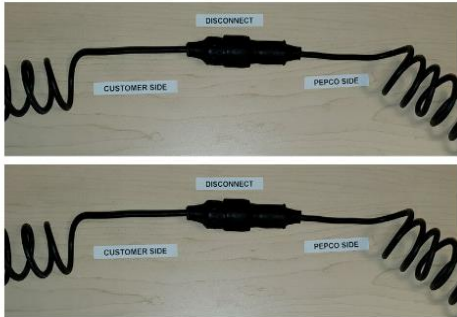
Pepco will connect the secondary of the disconnect switch, and, when complete the customer can connect the disconnect switch. Pepco will perform a voltage check to ensure 120V is being supplied from secondary.

Disconnect Specifications:

- Should be breakaway receptacle of either Homac SDK-M or PHI approved equivalent
- Each customer streetlight requires one (1) disconnect switch per wire, one for neutral and one for hot
- CATID: 1644778 (2x)

Disconnect Examples:

- Homac SDK-M (top) or Ideal Disconnect Kit (bottom)



Dimming

42. Does Pepco offer streetlight dimming?

No, Pepco does not currently offer streetlight dimming. However, in the proposed updates to Rate Schedule SL, for unmetered, customer-owned streetlights where customer-owned devices permit the customer to operate a dimming schedule, the Company will, in consultation with the customer, establish a “Dimming Factor” to apply to the customer’s total deemed monthly street lighting kilowatt-hour consumption.

The Dimming Factor will be calculated as the ratio of the customer’s total estimated annualized street lighting kWh consumption including the customer’s planned dimming schedule divided by the total estimated annualized street lighting kilowatt-hour consumption absent dimming [Dimming Factor = (Total estimated kWh consumption of all dimmed and undimmed streetlights) / (Total estimated kWh consumption of all street lights assuming no dimming)]. The net result will be a reduction in overall energy use and reflected on the customer bill.

43. Would Pepco adjust the lighting intensity?

No, the dimming profile and capability will be set by the customer for their customer-owned streetlights.

Non-Standard Lights

44. What if a municipality wishes to install streetlights that are not currently approved for use by PEPCO?

Pepco will consider non-standard styles, colors, and temperatures such as 2700K. Customers must submit luminaire specifications to Pepco at ODL-Pepco@pepco.com. Some non-standard luminaires may require the customer to provide a sample luminaire to be reviewed by Pepco's Standards department for use on the system.